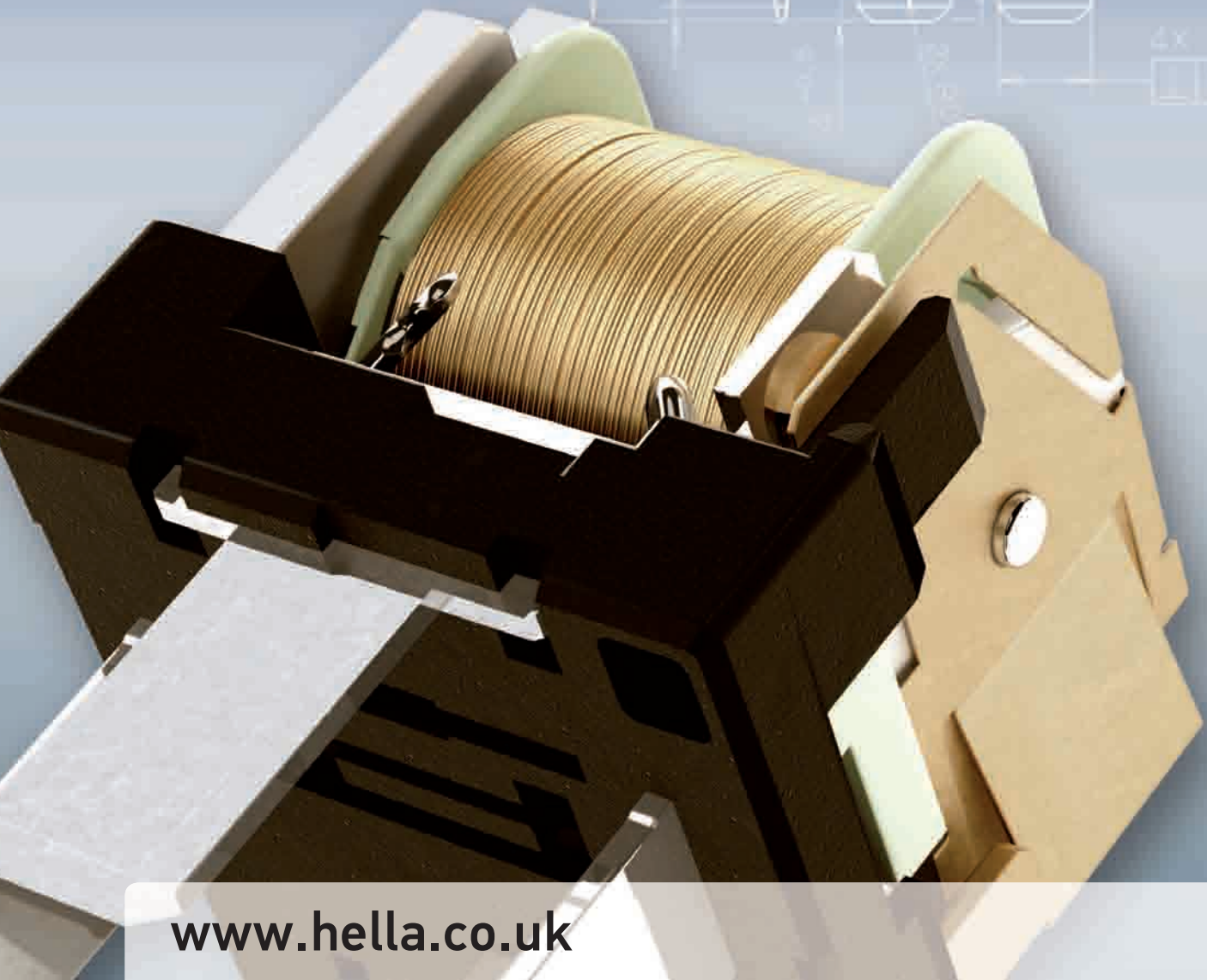




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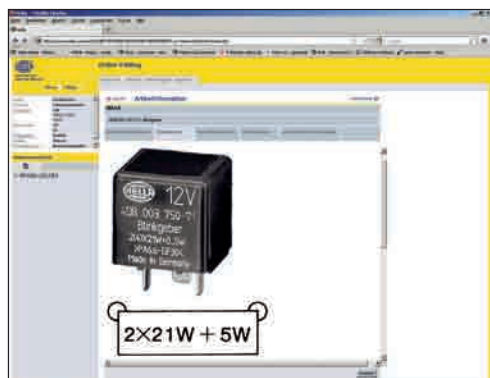
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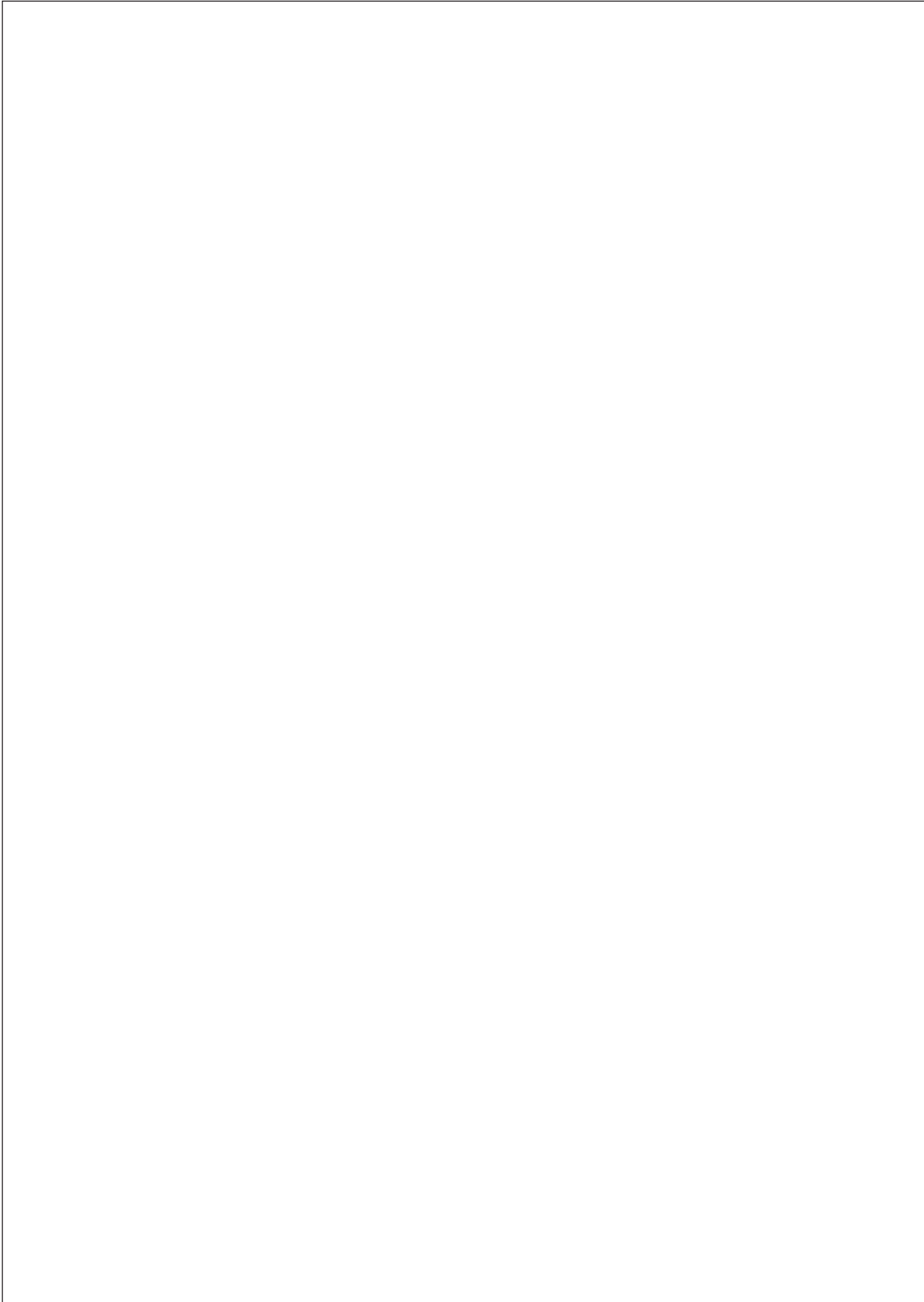
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Flasher units

Alfa Romeo - Citroën



1

Manufacturer Model	Model year	Part no.	Pk.	Manufacturer Model	Model year	Part no.	Pk.
Alfa Romeo				BMW			
145 (930)	07/94->01/01	4DB 006 716-041 7-pin	1	3 (E21)	09/79 ->04/84	4DB 003 750-711 3-pin	1
146 (930)	12/94->01/01			3 (E30)	01/83 ->12/93	4DM 003 360-021 4-pin, with bracket	1
155 (167)	01/92->12/97	4DB 003 750-711 3-pin	1			4DM 005 698-021 5-pin, with bracket **)	1
156 (932)	09/97->02	4DM 003 360-021 4-pin, with bracket	1	3 (E36)	12/90 ->	4DB 006 716-041 7-pin	1
		4DM 005 698-021 5-pin, with bracket **)	1	5 (E28)	04/81 ->12/87	4DB 003 750-711 3-pin	1
164 (164)	01/87->09/98	4DB 007 218-001 4-pin	1			4DM 003 360-021 4-pin, with bracket	1
		4DM 003 460-021 5-pin, with bracket	1			4DM 005 698-021 5-pin, with bracket **)	1
		4DM 005 698-031 6-pin, with bracket **)	1	5 (E34)	01/88 ->03/97	4DB 006 716-041 7-pin	1
Audi				6 (E24)	05/82 ->05/89	4DB 003 750-711 3-pin	1
A6 (4A, C4)	06/94->12/97	4DB 003 750-711 3-pin	1	7 (E23)	09/81 ->08/86	4DM 003 360-021 4-pin, with bracket	1
A8 (4D2, 4D8)	03/94->09/02	4DM 003 360-021 4-pin, with bracket	1			4DM 005 698-021 5-pin, with bracket **)	1
Convertible (8G7, B4)	05/91->08/00	4DB 003 750-711 3-pin without bracket	1	7 (E32)	09/86 ->09/94	4DB 006 716-041 7-pin	1
Coupé (81/85/89/8B)	07/80->12/96	4DB 003 750-721 3-pin with bracket	1	8 (E31)	04/90 ->06/99	4DB 006 716-041 7-pin	1
V8 (44_, 4C_)	10/88->02/94	4DB 003 750-711 3-pin	1	Citroën			
80 (80/82/B1/89/89Q/ 8A/B3/8C/B4)	05/72->12/96	4DM 003 360-021 4-pin, with bracket	1	AX	09/86 ->05/91	4DB 007 218-001 4-pin	1
90 (81/85/B2/89/89Q/ 8A/B3)	10/84->09/91	4DM 005 698-021 5-pin, with bracket **)	1			4DM 005 698-031 6-pin, with bracket **)	1
100 (C1/43/C2/44/44Q/ C3/4A/C4)	08/70->07/94			AX	06/91 ->	4DB 003 750-711 3-pin	1
200 (43/44/44Q)	10/79->12/91					4DM 003 360-021 4-pin, with bracket	1
BMW				BX	01/87 ->	4DB 007 218-001 4-pin	1
Motor cycles		4DB 003 750-711	1			4DM 005 698-031 6-pin, with bracket **)	1
R45	06/78->07/85						
R65	06/78->12/85						
M3 (E36)	01/94->	4DB 006 716-041 7-pin	1				
M5 (E34)	01/88->12/95						
Z3	10/95->01/03	4DB 006 716-041 7-pin	1				

** C2 and 31 connection on top



Flasher units

Citroën - Fiat



Manufacturer Model	Model year	Part no.	Pk.	Manufacturer Model	Model year	Part no.	Pk.	
Citroën				Fiat				
Xantia	03/93->	4DB 003 750-711 3-pin	1	Fiorino (146)	91 ->93	4DB 007 218-001 4-pin	1	
XM	05/89->	4DM 003 360-021 4-pin, with bracket	1			4DM 003 460-021 5-pin, with bracket	1	
ZX	10/91->		4DM 005 698-031 6-pin, with bracket **)	1				
Daihatsu				Fiorino (146)				
Appause	89->	4DM 003 360-021 4-pin, with bracket	1		93 ->05/01	4DB 003 750-711 3-pin	1	
Charade	07/81->					4DM 003 360-021 4-pin, with bracket	1	
Charmant	07/82->		4DM 005 698-021 5-pin, with bracket **)	1				
Cuore	01/81->							
Fiat				Marea (185)				
Barchetta (183)	03/95->	4DB 003 750-711 3-pin	1		09/96 ->02	4DB 003 750-711 3-pin	1	
Brava (182)	10/95->10/01	4DM 003 360-021 4-pin, with bracket	1	Mille	94 ->97	4DM 003 360-021 4-pin, with bracket	1	
Bravo (182)	10/95->10/01	4DM 005 698-021 5-pin, with bracket **)	1	Multipla (186)	04/99 ->	4DM 005 698-021 5-pin, with bracket **)	1	
				Palio (178)	04/96 ->02			
Cinquecento (170)	07/91->07/99	4DB 007 218-001 4-pin	1					
		4DM 003 460-021 5-pin, with bracket	1	Panda (141)	85 ->07/04	4DB 007 218-001 4-pin	1	
		4DM 005 698-031 6-pin, with bracket **)	1			4DM 003 460-021 5-pin, with bracket	1	
						4DM 005 698-031 6-pin, with bracket **)	1	
Croma (154)	90->96	4DB 003 750-711 3-pin	1	Punto (176)	09/93 ->09/99	4DB 003 750-711 3-pin	1	
		4DM 003 360-021 4-pin, with bracket	1	Punto Convertible (176C)	97 ->06/00	4DM 003 360-021 4-pin, with bracket	1	
		4DM 005 698-021 5-pin, with bracket **)	1	Seicento (187)	01/98 ->	4DM 005 698-021 5-pin, with bracket **)	1	
Duna (146B)	01/87->12/91	4DB 007 218-001 4-pin	1	Siena	04/96 ->			
Elba	01/91->94	4DM 003 460-021 5-pin, with bracket	1	Strada (178E)	06/99 ->			
		4DM 005 698-031 6-pin, with bracket **)	1	Tempra (159)	03/90 ->08/97			
				Tipo (160)	07/87 ->04/95			
Elba	94->12/96	4DB 003 750-711 3-pin	1	Uno CS (146A7)	88 ->90	4DB 007 218-001 4-pin	1	
		4DM 003 360-021 4-pin, with bracket	1			4DM 003 460-021 5-pin, with bracket	1	
		4DM 005 698-021 5-pin, with bracket **)	1			4DM 005 698-031 6-pin, with bracket **)	1	

**) C2 and 31 connection on top



Flasher units

Fiat - Lancia



1

Manufacturer Model	Model year	Part no.	Pk.	Manufacturer Model	Model year	Part no.	Pk.
Fiat				Lada			
Uno (146E)	89->95	4DB 003 750-711 3-pin	1	Forma	09/91 ->	4DB 003 750-711 3-pin	1
Uno Mondo	95->	4DM 003 360-021 4-pin, with bracket	1	Samara	01/86 ->	4DM 003 360-021 4-pin, with bracket	1
		4DM 005 698-021 5-pin, with bracket **)	1			4DM 005 698-021 5-pin, with bracket **)	1
Ford				Lancia			
Capri III	01/78->04/87	4DB 003 750-711 3-pin	1	1200 - 1600	09/70 ->08/79	4DB 003 425-041 4-pin	1
Cougar (EC_)	08/98->12/01	without bracket				4DM 003 460-021 5-pin, with bracket	1
Escort	01/75->09/01	4DB 003 750-721 3-pin, with bracket	1				
Fiesta	05/76->01/02			Lancia			
Granada	04/85->11/94	4DM 003 360-021 4-pin, with bracket	1	Dedra (835)	01/89 ->07/99	4DB 003 750-711 3-pin	1
Ka (RB_)	09/96->					4DM 003 360-021 4-pin, with bracket	1
Maverick	02/93->04/98	4DM 005 698-021 5-pin, with bracket **)	1			4DM 005 698-021 5-pin, with bracket **)	1
Merkur	10/84->02/93			Delta I (831AB0)	86 ->01/94	4DB 007 218-001 4-pin	1
Mondeo	01/93->11/00					4DM 003 460-021 5-pin, with bracket	1
Orion	07/83->12/93					4DM 005 698-031 6-pin, with bracket **)	1
Puma	03/97->06/02			Delta II (836)	06/93 ->08/99	4DB 003 750-711 3-pin	1
P 100 II	10/87->12/92			Lybra (839)	07/99 ->	4DM 003 360-021 4-pin, with bracket	1
Scorpio	04/85->08/98			Y (840A)	11/95 ->03	4DM 005 698-021 5-pin, with bracket **)	1
Sierra	08/82->02/93						
Street Ka	05/03->07/05			Y10 (156)	88 ->12/95	4DB 007 218-001 4-pin	1
Honda						4DM 003 460-021 5-pin, with bracket	1
Accord	05/77->	4DM 003 360-021 4-pin, with bracket	1			4DM 005 698-031 6-pin, with bracket **)	1
Civic	01/80->						
Concerto	04/90->	4DB 003 750-711 3-pin	1				
CRX	09/83->08/87	4DM 003 360-021 4-pin, with bracket	1				
Legend		4DB 003 750-711 3-pin	1				
		4DM 003 360-021 4-pin, with bracket	1				
		4DM 005 698-021 5-pin, with bracket **)	1				

** C2 and 31 connection on top



Flasher units

Mazda - Opel



Manufacturer Model	Model year	Part no.	Pk.	Manufacturer Model	Model year	Part no.	Pk.
Mazda				Nissan			
RX-7	01/86->	4DB 003 750-711 3-pin without bracket	1	Terrano (WD 21)	08/87 ->	4DB 003 750-721 3-pin	1
121	11/90->					4DM 003 360-021 4-pin, with bracket	1
323	01/77->	4DB 003 750-721 3-pin, with bracket	1				
626	03/79->			100 NX	03/91 ->	4DB 003 750-721 3-pin	1
929	78->	4DM 003 360-021 4-pin, with bracket	1			4DM 003 360-021 4-pin, with bracket	1
		4DM 005 698-021 5-pin, with bracket **)	1				
Mercedes-Benz				280 ZX	01/79 ->	4DM 003 360-021 4-pin, with bracket	1
230 G - 300 GD (W 460)	05/79->03/90	4DM 003 360-021 4-pin, with bracket	1	300 ZX	01/84 ->		
230 GE - 350 GD (W 461, W 463)	04/90->08/92	4DM 005 698-021 5-pin, with bracket **)	1	Opel			
Mitsubishi				Ascona C	09/81 ->09/88	4DB 003 750-711 3-pin	1
Carisma	07/95->	4DB 003 750-391 3-pin	1	Astra F	09/91 ->02		
Colt	01/79->	4DM 003 360-021 4-pin, with bracket	1	Calibra	06/90 ->07/97	4DM 003 360-021 4-pin, with bracket	1
Eclipse	01/92->			Corsa A	03/83 ->02/93		
Galant	05/77->			Corsa B	03/93 ->02	4DM 005 698-021 5-pin, with bracket **)	1
Lancer	08/77->			Frontera	09/91 ->	4DB 003 750-721 3-pin	1
Pajero	12/82->					4DM 003 360-021 4-pin, with bracket	1
Sapporo	05/78->10/83	4DM 003 360-021 4-pin, with bracket	1	Kadett E	10/84 ->08/91	4DB 003 750-711 3-pin	1
Sigma	02/91->			Manta B	08/75 ->07/88		
Space Runner	02/92->			Monza A	05/78 ->08/87	4DM 003 360-021 4-pin, with bracket	1
Space Wagon	83->			Omega A	10/86 ->02/94		
Nissan				Omega B	03/94 ->	4DM 005 698-021 5-pin, with bracket **)	1
Bluebird	05/80->	4DM 003 360-021 4-pin, with bracket	1	Rekord E	09/77 ->09/86		
Cherry	10/78->12/86			Senator A	05/78 ->08/87		
Maxima	89->	4DB 003 750-721 3-pin	1	Senator B	09/87 ->08/93		
Micra	83->	4DM 003 360-021 4-pin, with bracket	1	Sintra	11/96 ->04/99		
Patrol	01/79->	4DM 003 360-021 4-pin, with bracket	1	Tigra	07/94 ->12/00		
Prairie	01/83->			Vectra A	10/88 ->09/95		
Sunny	05/82->						

**) C2 and 31 connection on top



Flasher units

Peugeot - Rover



1

Manufacturer Model	Model year	Part no.	Pk.	Manufacturer Model	Model year	Part no.	Pk.
Peugeot				Porsche			
106	09/91->	4DB 003 750-711 3-pin	1	944	07/81 ->05/91	4DB 003 750-711 3-pin	1
		4DM 003 360-021 4-pin, with bracket	1			4DM 003 360-021 4-pin, with bracket	1
		4DM 005 698-021 5-pin, with bracket **)	1			4DM 005 698-021 5-pin, with bracket **)	1
205	02/83->09/98	4DB 007 218-001 4-pin	1	968	06/91 ->11/95	4DB 003 750-711 3-pin	1
		4DM 005 698-031 6-pin, with bracket **)	1			4DM 003 360-021 4-pin, with bracket	1
306	05/93->	4DB 003 750-711 3-pin	1	Puch			
		4DM 003 360-021 4-pin, with bracket	1	G 230 - G 350 TD (G-Class, W 461, W 463)	06/93 ->	4DM 003 360-021 4-pin, with bracket	1
		4DM 005 698-021 5-pin, with bracket **)	1	230 G - 300 GD (W 460)	05/79 ->03/90	4DM 005 698-021 5-pin, with bracket **)	1
309	10/85->12/93	4DB 007 218-001 4-pin	1	230 GE - 350 GD (W 461, W 463)	04/90 ->05/93		
		4DM 005 698-031 6-pin, with bracket **)	1	Renault			
605	06/89->09/99	4DB 003 750-711 3-pin	1	Clio	01/91 ->	4DB 007 218-001 4-pin	1
		4DM 003 360-021 4-pin, with bracket	1	Espace	07/84 ->	4DM 005 698-031 6-pin, with bracket **)	1
		4DM 005 698-021 5-pin, with bracket **)	1	Laguna	04/93 ->	4DB 007 218-001 4-pin	1
Porsche				Rapid (F 40)	03/86 ->	4DM 003 460-021 5-pin, with bracket	1
911	07/68->	4DB 001 887-041 4-pin	1	Twingo	06/93 ->	4DM 005 698-031 6-pin, with bracket **)	1
924	01/76->07/88	4DB 003 750-711 3-pin	1	4/5/6	01/80 ->		
		4DM 003 360-021 4-pin, with bracket	1	9	09/81 ->12/89		
		4DM 005 698-021 5-pin, with bracket **)	1	11	03/83 ->07/89		
928	05/77->12/83	4DB 001 887-041 4-pin	1	18	01/80 ->07/86		
				19	01/88 ->06/96		
				21	03/86 ->08/94		
				Rover			
				Maestro	08/83 ->	4DB 003 750-711 3-pin	1
				Metro	03/81 ->	4DM 003 360-021 4-pin, with bracket	1
				Mini Mk II	01/80 ->12/83	4DM 005 698-021 5-pin, with bracket **)	1
				Montego	01/84 ->		

** C2 and 31 connection on top



Flasher units

Rover - Subaru



Manufacturer Model	Model year	Part no.	Pk.	Manufacturer Model	Model year	Part no.	Pk.
Rover				Seat			
100	01/91->	4DB 003 750-711 3-pin	1	Ibiza II	09/93 ->	4DB 003 750-711 3-pin	1
		4DM 003 360-021 4-pin, with bracket	1			4DM 003 360-021 4-pin, with bracket	1
200		4DM 003 360-021 4-pin, with bracket	1			4DM 005 698-021 5-pin, with bracket **)	1
213 - 216	03/85->	4DB 003 750-711 3-pin	1	Malaga	05/85 ->	4DB 007 218-001 4-pin	1
414, 416, 418		4DM 003 360-021 4-pin, with bracket	1	Marbella	01/86 ->	4DM 005 698-031 6-pin, with bracket **)	1
600		4DM 003 360-021 4-pin, with bracket	1				
800	08/88->	4DM 005 698-021 5-pin, with bracket **)	1	Toledo I	09/91 ->02/99	4DB 003 750-711 3-pin	1
820 - 825i	01/80->	4DM 005 698-021 5-pin, with bracket **)	1			4DM 003 360-021 4-pin, with bracket	1
2000 - 3500						4DM 005 698-021 5-pin, with bracket **)	1
Saab				Skoda			
90	08/84->07/87	4DB 001 887-041 4-pin	1	Favorit	88 ->	4DB 003 750-711 3-pin	1
900	10/78->08/93	4DB 003 750-711 3-pin	1	Felicia	01/95 ->	4DM 003 360-021 4-pin, with bracket	1
9000	05/85->08/91	4DM 003 360-021 4-pin, with bracket	1	Forman	09/91 ->	4DM 003 360-021 4-pin, with bracket	1
		4DM 005 698-021 5-pin, with bracket **)	1	105		4DM 005 698-021 5-pin, with bracket **)	1
9000	09/91->	4DB 006 716-041 7-pin	1	Subaru			
Seat				Coupé	01/85 ->	4DB 003 750-711 3-pin without bracket	1
Cordoba	01/94->	4DB 003 750-711 3-pin	1	Impreza			
		4DM 003 360-021 4-pin, with bracket	1	Justy	10/84 ->	4DB 003 750-721 3-pin, with bracket	1
		4DM 005 698-021 5-pin, with bracket **)	1	Legacy	01/89 ->		
Ibiza I	06/84->08/83	4DB 007 218-001 4-pin	1	Sedan, Station, Super-Station 1800	01/85 ->	4DM 003 360-021 4-pin, with bracket	1
		4DM 005 698-031 6-pin, with bracket **)	1	1800 II	11/84 ->12/90	4DM 005 698-021 5-pin, with bracket **)	1

**) C2 and 31 connection on top



Flasher units

Suzuki - Volkswagen



1

Manufacturer Model	Model year	Part no.	Pk.	Manufacturer Model	Model year	Part no.	Pk.
Suzuki				Vauxhall			
Alto	06/82->	4DB 003 750-711 3-pin without bracket	1	Astra Mk II	09/84 ->08/93	4DB 003 750-711 3-pin without bracket	1
SJ Samurai	10/80->			Astra Mk III	09/91 ->03/01		
SJ 413	11/84->	4DB 003 750-721 3-pin, with bracket	1	Astravan Mk III	09/91 ->08/98	4DB 003 750-721 3-pin, with bracket	1
Swift	12/83->			Calibra	06/90 ->07/97		
Vitara	10/88->	4DM 003 360-021 4-pin, with bracket	1	Carlton Mk III	09/86 ->03/94	4DM 003 360-021 4-pin, with bracket	1
		4DM 005 698-021 5-pin, with bracket **)	1	Cavalier Mk II	09/81 ->08/88		
				Cavalier Mk III	09/88 ->11/95	4DM 005 698-021 5-pin, with bracket **)	1
				Combo	07/94 ->10/01		
				Corsa	03/93 ->09/00		
				Corsavan	01/94 ->09/00		
				Nova	09/82 ->03/93		
				Novavan	01/90 ->10/94		
				Omega	12/93 ->07/03		
				Royale	02/78 ->08/87		
				Senator	02/78 ->08/87		
				Senator Mk II	09/87 ->09/93		
				Sintra	09/96 ->04/99		
				Tigra	07/94 ->02		
Toyota				Volkswagen			
Carina	09/80->11/87	4DB 003 750-711 3-pin without bracket	1	Caddy I	08/82 ->07/92	4DB 003 750-711 3-pin without bracket	1
Carina II	12/87->04/92	4DB 003 750-721 3-pin, with bracket	1	Caddy II	11/95 ->		
		4DM 003 360-021 4-pin, with bracket	1	Corrado	09/88 ->12/95	4DB 003 750-721 3-pin, with bracket	1
		4DM 005 698-021 5-pin, with bracket **)	1	Derby	02/77 ->00		
				Golf I, II, III	07/74 ->98	4DM 003 360-021 4-pin, with bracket	1
Celica	09/80->	4DB 003 750-711 3-pin without bracket	1	Golf Convertible	01/79 ->02		
Corolla	06/79->			Jetta I, II	09/79 ->12/91	4DM 005 698-021 5-pin, with bracket **)	1
Land Cruiser	08/80->	4DB 003 750-721 3-pin, with bracket	1	Passat	05/73 ->97		
Lexus	90->			Polo I, II, III	03/75 ->00		
MR2	86->	4DM 003 360-021 4-pin, with bracket	1	Scirocco	05/74 ->09/92		
Previa	10/90->			Sharan	05/95 ->00		
Starlet	04/78->	4DM 005 698-021 5-pin, with bracket **)	1	Vento	01/92 ->10/98		
Supra	86->			1200 (Beetle)	08/73 ->12/85		
Tercel	06/79->11/87			1300 - 1303 (Beetle)	08/70 ->		
4 Runner				Transporter (T2)	08/70 ->06/79		
				Transporter (T3)	07/79 ->12/92		
				Transporter (T4)	09/90 ->		

** C2 and 31 connection on top



Flasher units

Volvo



Manufacturer Model	Model year	Part no.	Pk.
Volvo			
S40 I (VS)	07/95->12/03	4DB 003 750-391 3-pin	1
V40 I (VW)	07/95->		
242, 244, 245, 264, 265	08/74->		
343, 345, 360	06/76->		
440	09/88->	4DM 003 360-021 4-pin, with bracket	1
740, 745, 760	04/83->	4DB 003 750-391 3-pin	1
940	08/90->		



Flasher units

Fiat - Volkswagen

**1**

Manufacturer Model	Model year	Part no.	Pk.	Manufacturer Model	Model year	Part no.	Pk.
Fiat				Mercedes-Benz			
Ducato (290)	03/89->03/94	4DB 007 218-001 4-pin	1	MB 100	09/87 ->01/96	4DM 003 360-021 4-pin, with bracket	1
		4DM 003 460-021 5-pin, with bracket	1	O 309	01/70 ->02/89		
		4DM 005 698-031 6-pin, with bracket **)	1	207 D - 210 (T1, 601-series)		4DM 005 698-021 5-pin, with bracket **)	1
Ducato (230)	03/94->04/02	4DB 003 750-711 3-pin	1	207 D	05/77 ->01/89		
		4DM 003 360-021 4-pin, with bracket	1	208 D	05/77 ->06/95		
		4DM 005 698-021 5-pin, with bracket **)	1	210	08/82 ->06/95		
Talento (290)	03/89->03/94	4DB 007 218-001 4-pin	1	507 D - 814 D (T2/LN1)	01/86 ->	4DM 003 390-011 12V 2+1x21W +5W 4-pin	1
		4DM 003 460-021 5-pin, with bracket	1			4DW 003 390-061 12V 3+1x21W 4-pin	1
		4DM 005 698-031 6-pin, with bracket **)	1			4DW 004 513-021 24V 3+1x21W 4-pin, without "clicking"- function	1
Ford				Mitsubishi			
Tourneo	06/94->07/00	4DB 003 750-711 3-pin without bracket	1	L 300 (P00W/P20W)	11/86 ->	4DM 003 360-021 4-pin, with bracket	1
Transit	09/69->07/00	4DB 003 750-721 3-pin, with bracket	1	Nissan			
		4DM 003 360-021 4-pin, with bracket	1	Vanette		4DB 003 750-721 12V 2x21W+5W 3-pin	1
		4DM 005 698-021 5-pin, with bracket **)	1			4DM 003 360-021 12V 2+1x21W +5W 4-pin, with trailer	1
Mercedes-Benz				Volkswagen			
L 405 D - L 911 (T2/L)	08/75->12/88	4DM 003 390-011 12V 2+1x21W +5W 4-pin	1	LT I	04/75 ->06/96	4DB 003 750-711 3-pin without bracket	1
L 405 D - L 911 (T2/L)	09/82->12/88	4DB 003 675-011 24V 2x21W+5W 3-pin	1	Transporter (T2)	08/70 ->06/79		
				Transporter (T3)	07/79 ->12/92	4DB 003 750-721 3-pin, with bracket	1
				Transporter (T4)	09/90 ->	4DM 003 360-021 4-pin, with bracket	1
						4DM 005 698-021 5-pin, with bracket **)	1

**) C2 and 31 connection on top



Flasher units

Delta Plan - Steyr



Manufacturer Model	Model year	Part no.	Pk.	Manufacturer Model	Model year	Part no.	Pk.
Delta Plan				Mercedes-Benz			
various models		4AZ 003 787-021 24V 10-200W 4-pin	1	O 302	11/64 ->11/75	4DM 003 944-091 24V 2+1x21W +5W 6-pin	1
Iveco				O 305 VÖV	04/73 ->12/83		
M 2000	09/79->	4DM 002 834-001 24V 2+1x21W 11-pin	1	O 309, O 309 D	08/75 ->12/88	4DM 003 390-011 12V 2+1x21W +5W 4-pin	1
75-9 A - 160 M13 (MK)	09/75->	4DM 002 834-001 24V 2+1x21W 11-pin	1	O 309, O 309 D	09/82 ->12/88	4DB 003 675-011 24V 2x21W+5W 3-pin	1
120-13 - 330-30 (P/PA)	01/83->	4DM 002 834-001 24V 2+1x21W 11-pin	1	709 - 1524 (LK/LN2)	03/84 ->	4DW 002 834-121 24V 3+1x21W 11-pin	1
130 D 12 - 310 D 26 (P/PA)	01/71->12/82			1013 - 3850 (New generation)	08/73 ->08/88	4DW 002 834-121 24V 3+1x21W 11-pin	1
130 D 9 FL - 340 D 22 FL (Forward-control vehicles)	05/73->	4DM 003 944-091 24V 2+1x21W +5W 6-pin	1	Neoplan			
180-24 - 240-38, 256 M - 320 M (T)	05/78->	4DW 002 834-101 24V 3+1x21W 11-pin	1	Cityliner - Spaceliner	04/79 ->	4DM 003 474-001 24V 2+1x21W +5W 5-pin	1
Iveco Ford						4DW 003 944-071 24V 3+1x21W 6-pin	1
Cargo	05/81->	4DB 003 750-711 12V 2x21W+5W 3-pin	1	SL II N 416, Ü 80 N 420/3	82 ->	4DW 003 944-071 24V 3+1x21W 6-pin	1
		4DM 003 360-021 12V 2+1x21W +5W 4-pin	1	Renault Trucks			
		4DM 005 698-021 12V 2+1x21W +5W 5-pin **)	1	Trucks	07/91 ->	4DM 003 944-091 24V 2+1x21W +5W 6-pin	1
Kässbohrer				Scania			
Setra S 80 - S 150	09/72->09/76	4DM 003 944-091 24V 2+1x21W +5W 6-pin	1	G 82 - T 142	07/80 ->12/87	4DJ 003 767-001 24V 1+3+3x21W 13-pin	1
Setra S 200	10/76->11/84			G 83 - T 143	01/88 ->		
Setra S 200	12/84->	4DM 004 639-061 24V 2+1x21W +5W 4-pin	1	P 94 - R 144	01/96 ->	4DN 007 431-201 24V 2+1+1x21W 16-pin	1
Lahden Autokori				Steyr			
various models		4DM 003 474-001 24V 2+1x21W +5W 5-pin	1	6 S - 17 S	01/86 ->	4DM 003 944-081 24V 2+1x21W +5W 6-pin	1
Mercedes-Benz				19 S - 40 S	10/87 ->	4DW 003 944-071 24V 3+1x21W 6-pin	1
LP 608 - LP 913 (LP)	08/75->10/77	4DM 003 390-011 12V 2+1x21W +5W 4-pin	1				
LP 709 - LP 1113 (LP)	11/77->07/85						

**) C2 and 31 connection on top



Flasher units

Steyr - Volvo



1

Manufacturer Model	Model year	Part no.	Pk.
Steyr			
590 - 1490	09/73->	4DM 003 474-001 24V 2+1x21W +5W 5-pin	1
791 - 1491	04/78->09/87	4DM 003 944-081 24V 2+1x21W +5W 6-pin	1
		4DW 003 944-071 24V 3+1x21W 6-pin	1
Volvo			
F 6	71->09/85	4DB 003 425-041 12V 2x21W+5W 4-pin	1
F 7	08/78->10/85	4DM 003 944-091 24V 2+1x21W +5W 6-pin	1
F 10, F 12	08/77->		1
		4DW 003 944-071 24V 3+1x21W 6-pin	1
FL 611	09/85->11/94	4DN 004 589-031 24V 2+1+1x21W 13-pin	1
FH 12, FH 16	10/93->	4DM 003 944-091 24V 2+1x21W +5W 6-pin	1
FM 7, FM 12	10/98->		1
		4DW 003 944-071 24V 3+1x21W 6-pin	1
N 7	08/78->	4DM 003 944-091 24V 2+1x21W +5W 6-pin	1
N 10, N 12	08/77->		1
		4DW 003 944-071 24V 3+1x21W 6-pin	1



Flasher units

Case International - Deutz-Fahr



Manufacturer Model	Model year	Part no.	Pk.	Manufacturer Model	Model year	Part no.	Pk.
Case International				John Deere			
D 215 - D 514		4DN 008 768-151 12V 2+1+1x18W 6-pin	1	Z-2054 - Z-2066	01/94 ->	4DM 003 360-021 12V 2+1x21W 4-pin	1
Maxxum 5120, 5130, 5140 433 - 856	11/89->	4DN 008 768-121 12V 2+1+1x21W 6-pin	1			4DM 005 698-021 12V 2+1x21W 5-pin **)	1
743 XL - 1455 XL		4DN 008 768-101 12V 2+1+1x21W 6-pin	1			4DN 008 768-121 12V 2+1+1x21W 6-pin	1
Case Poclairn				820 - 4020		4DN 008 768-151 12V 2+1+1x18W 6-pin	1
U 1776, U 7774		4DN 008 768-151 12V 2+1+1x18W 6-pin	1	840 - 4240	09/79 ->	4DN 008 768-141 12V 2+1+1x21W 6-pin	1
770 GAS, 880 GES, 990 GAS				6100 - 6400	07/92 ->	4DM 003 360-021 12V 2+1x21W 4-pin	1
1190, 1290, 1390, 1490, 1690						4DM 005 698-021 12V 2+1x21W 5-pin **)	1
Claas				6610 - 6910	01/93 ->	4DM 003 360-021 12V 2+1x21W 4-pin	1
Classic 78 - 108 SL		4DM 003 360-021 12V 2+1x21W 4-pin	1			4DM 005 698-021 12V 2+1x21W 5-pin **)	1
Commandor 112 - 228 CS	10/85->						
Dominator 38 - 118 SL Maxi							
Jaguar 675 - 695	01/89->12/94						
Jaguar 820 - 880	01/94->						
Lexion 405 - 460	96->						
Lexion 2004	04/04->						
Maxi 88 SL, 98 SL, 108 SL							
Mega 208, 218							
Unitrac	10/83->						
John Deere				Deutz-Fahr			
MD 330 - MD 970	->07/74	4DB 001 887-041 12V 2x21W 4-pin	1	D 2505 - D 8005		4DN 008 768-151 12V 2+1+1x18W 6-pin	1
MD 925 - MD 975	08/74->10/82			D 2506 - D 13006	->07/73		
MD 1032 - MD 1068 H	05/84->04/85			D 2506 - D 13006	08/73 ->	4DN 008 768-131 12V 2+1+1x21W 6-pin	1
MD 1072 - MD 1085	->12/83			D 2807 - D 7807 C	05/80 ->12/90		
MD 1072 - MD 1085	01/84->	4DM 003 360-021 12V 2+1x21W 4-pin	1	DX 3.10 - DX 3.90	01/91 ->12/96	4DN 008 768-131 12V 2+1+1x21W 6-pin	1
MD 1133 - MD 1166 HA	08/87->			DX 3.30 V - DX 3.90 F			
MD 1174 - MD 1188 H 4	01/87->	4DM 005 698-021 12V 2+1x21W 5-pin **)	1	DX 4.30 - DX 6.50	83 ->		
				DX 4.17 - DX 6.61	01/91 ->		
				DX 7.10, DX 8.30	05/84 ->10/88		
				DX 36V - DX 55V	05/78 ->		
				DX 85 - DX 230	08/77 ->		

** C2 and 31 connection on top



Flasher units

Deutz-Fahr - Schanzlin



1

Manufacturer Model	Model year	Part no.	Pk.	Manufacturer Model	Model year	Part no.	Pk.
Deutz-Fahr				Hako			
Intrac 2004, 2006 M 660 - M 2780	09/74->12/79	4DN 008 768-131 12V 2+1+1x21W 6-pin	1	Variotrac 1850 V, 2150 D		4DM 003 360-021 12V 2+1x21W 4-pin	1
Powerliner 4030	92->12/96						
Powerpress 120 H	01/94->12/96						
Starliner 4040, 4045 H	91->12/96						
Topliner 4060 - 4090 H	91->12/96						
Dexheimer				Holder			
AL 222 SC - AL 370 SC	01/88->	4DN 008 768-101 12V 2+1+1x21W 6-pin	1	A 14 - B 25	->06/76	4DN 008 768-151 12V 2+1+1x18W 6-pin	1
Fendt				A 14 - B 25	07/76 ->	4DN 008 768-121 12V 2+1+1x21W 6-pin	1
Farmer 200 V - 205 P	->01/88	4DN 008 768-131 12V 2+1+1x21W 6-pin	1	Park 30, 70		4DN 008 768-121 12V 2+1+1x21W 6-pin	1
Farmer 250 V - 280 P	02/88->	4DN 008 768-131 12V 2+1+1x21W 6-pin	1	Krieger			
Fiat Geotech				KS 28 - KS 65 A	02/86 ->	4DN 008 768-151 12V 2+1+1x18W 6-pin	1
various models		4DN 008 768-101 12V 2+1+1x21W 6-pin, without bracket	1	KT 52 A, KT 60 A	01/89 ->	6-pin	
		4DN 008 768-117 12V 2+1+1x21W 6-pin, with bracket	99	Landini			
Ford				various models		4DN 008 768-121 12V 2+1+1x21W 6-pin	1
Dexter 2000 - Super Major 5000	04/68->03/70	4DN 008 768-151 12V 2+1+1x18W 6-pin	1	Massey-Ferguson			
Dexter 2000 - Super Major 5000	03/70->	4DN 008 768-041 12V 2+1+1x21W 6-pin	1	MB 506, MB 507		4DN 008 768-121 12V 2+1+1x21W 6-pin	1
Gutbrod				MF 203, MF 205		4DN 008 768-151 12V 2+1+1x18W 6-pin	1
Superior 2350 DS - 4350		4DM 003 360-021 12V 2+1x21W 4-pin	1	MF 3000 - MF 3090	07/86 ->	4DN 008 768-101 12V 2+1+1x21W 6-pin	1
		4DM 005 698-021 12V 2+1x21W 5-pin **)	1	235 - 595		4DN 008 768-121 12V 2+1+1x21W 6-pin	1
Hako				Renault			
Mobil 4800 D, 6000 D		4DM 003 360-021 12V 2+1x21W 4-pin	1	ET 18 - ET 37		4DM 003 460-021 12V 2+1x21W 5-pin	1
Trac 1400 - Trac 4100		4DM 003 360-021 12V 2+1x21W 4-pin	1	R 7921 - R 7942		4DN 008 768-121 12V 2+1+1x21W 6-pin	1
Schanzlin				Schanzlin			
				Gigant 703 S, 803, S		4DN 008 768-141 12V 2+1+1x21W 6-pin	1

**) C2 and 31 connection on top



Flasher units

Schlüter - VME



Manufacturer Model	Model year	Part no.	Pk.
Schlüter			
S 350 - S 3000	->06/78	4DN 008 768-141 12V 2+1+1x21W 6-pin	1
S 350 - S 3000	07/78->	4DN 008 768-121 12V 2+1+1x21W 6-pin	1
Sisu (Valmet)			
205 - 665		4DN 008 768-121 12V 2+1+1x21W 6-pin	1
6000 - 8400		4DN 008 768-121 12V 2+1+1x21W 6-pin	1
Steyr			
8060 - 8160 a		4DN 008 768-121 12V 2+1+1x21W 6-pin	1
VME			
DM 861		4DN 008 768-121 12V 2+1+1x21W 6-pin	1
DM 5350		4DM 003 944-081 24V 2+1x21W +5W 6-pin	1
T 500 - T 2250		4DN 008 768-121 12V 2+1+1x21W 6-pin	1

Legal requirement in all ECE states

In the case of vehicles approved for use on public roads, the indicators must be monitored: The failure of an indicator must be shown optically or acoustically in the vehicle. This applies in all ECE states. In other words, the potential failure of the indicator must be monitored by the vehicle. Manufacturers use various failure-control systems. The failure check systems currently in use cannot detect simple LED lights and display a fault. All HELLA LED indicators have integrated electronics for failure checking. The indicators are self-monitoring. They generate a pulse that is evaluated by the electronic ballast. This ballast simulates a 21W bulb, which makes operation with conventional flasher units possible. As soon as one single LED fails, the light can be considered faulty, the pulse is not generated. The ballast then switches the bulb simulation off and the flasher unit indicates the fault to the driver.

Safe conversion to HELLA LED indicators now possible thanks to patented HELLA electronics

HELLA supplies electronic ballasts for all HELLA LED indicators which make it possible to convert the indicator failure display for various vehicles. This is necessary if the vehicle manufacturer does not guarantee indicator bulb failure checking via the vehicle electric system. The method has been patented by HELLA. At the moment, there are three different ballasts and several different LED indicator types available.

LED indicator failure check: Background information.

Why does the failure detection required by law work with various LED lights with some flasher units and not with others?

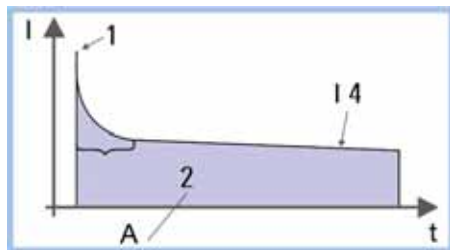


Fig. 1

Fig. 1 illustrates the typical current pattern when a bulb is switched on. Different flasher units detect this in different ways, for example by
 a) measuring the pulse peak or
 b) measuring the current at some point during the switch-on pulse or
 c) measuring the current after the pulse, when the current is constant and has a certain intensity, or
 d) determining the total energy flowing through the light (size of area A)

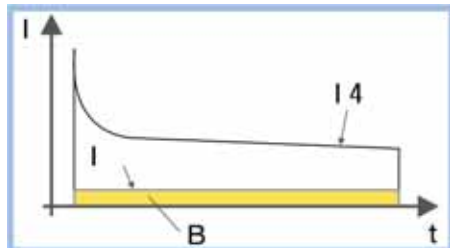


Fig. 2

Fig. 2 shows the LED current (I LED) in relation to this. None of the methods mentioned can work here, because there is neither a switch-on pulse available nor is the current intensity high enough, and another possibility is that the total energy through both lights is identical (area B is as large as A).

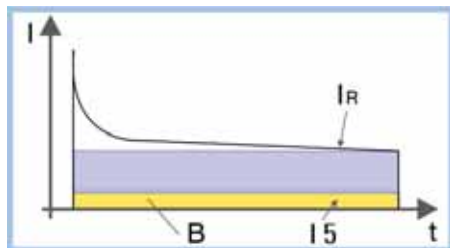


Fig. 3

If a simple Ohmic resistor is inserted, e.g. a resistor cable, the current is increased by a certain value (IR) and the curve illustrated in Fig. 3 is the result. In this case, only a flasher unit according to principle c) would work. If the resistance is chosen somewhat higher, principle d) could also possibly work. If the light fails afterwards due to mechanical damage, the flasher unit could detect the inserted resistor as a functional bulb. In this case, a light working perfectly would be indicated although this is not the case! This means: In this case the vehicle would lose its approval for use on public roads.

- I = Current
- t = Time
- 1 = Pulse peak
- 2 = Switch-on pulse
- 3 = Individual pulse
- 4 = Filament bulb
- 5 = LED

The only solution conceivable for universal use is one that works with all the flasher units on the market. As the above considerations have shown, this can practically only be guaranteed if the current pattern of a bulb is simulated exactly by means of an electronic circuit.

Since such a circuit is extremely complex, it is not possible to integrate this in the LED light. In order to be able to benefit from the advantages of LED lights despite this fact, a ballast is required for the circuit. This combination provides the perfect – and above all legally conforming – solution to the problem.

HELLA patent for the perfect problem solution

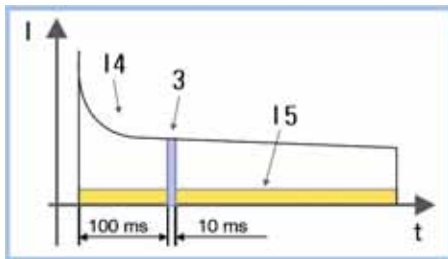


Fig. 4

- I = Current
- t = Time
- 1 = Pulse peak
- 2 = Switch-on pulse
- 3 = Individual pulse
- 4 = Filament bulb
- 5 = LED

All HELLA LED indicators with integrated electronics for failure checking are self-monitoring and generate an individual pulse. This pulse is evaluated by the electronic ballasts. The ballasts simulate a 21W bulb.

This makes operation with conventional flasher units possible. If the light is faulty, which can be the case if only a single LED fails, the above-mentioned pulse is not generated. The ballasts then switches the bulb simulation off and the flasher unit indicates the fault to the driver.

By measuring the light current during a time window of 10 ms (Fig. 4), direct exchange between the HELLA LED light and a bulb version is possible. HELLA ballasts are straightforward to convert even at a later date.

Vehicle manufacturers can also ensure ECE-conform failure control by evaluating the pulse of the HELLA LED indicators shown in the adjacent diagram directly in their control units.

The exact specification can be obtained from HELLA.

Connecting- and clamping descriptions for flasher units

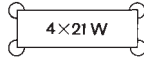
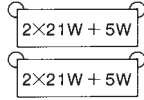
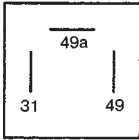
Terminal	Description
15	Ignition plus
49 X	Input
+49 X	Input
49a	Output
49L	Output, left
49R	Output, right
30	Battery plus
30b	Battery III plus
31	Earth
54	Stop light
54a	Stop light, for trailer
54L	Stop light, left
54R	Stop light, right
82	Normally open input
C C1 CP P CL	1. Control lamp
C2	2. Control lamp
C3	3. Control lamp
CO	Main connection for control circuits separated from the indicator
+	Battery plus
-	Earth
B	Battery
L	Indicator, left
R	Indicator, right

Connecting- and clamping descriptions for control units

Terminal	Description
15	Ignition plus
30 B +	Battery plus
30a	Battery II plus
31	Earth
56a	Main-beam light
56b	Dipped-beam light
58	Rear-, licence plate-, clearance light and instrument lights
61	Alternator check (charge indication)
85	Output (earth)
86	Winding start
87	Relay contact in the case of normally closed and change-over / input
87a	Relay contact in the case of normally closed and change-over / 1st output
87b	Relay contact in the case of normally closed and change-over / 2nd output

Flasher units, 6V, 3-pole

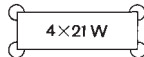
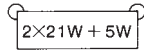
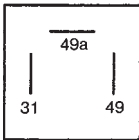
Audi, BMW, Citroën, Fiat, Ford, Honda, Iveco-Ford, Lada, Lancia, Mazda, Opel, Peugeot, Porsche, Rover, Saab, Seat, Skoda, Subaru, Suzuki, Toyota, Vauxhall, Volkswagen, Volvo



Part no.	Pk.	
4DB 003 750-711	1	Flasher unit, 12V, without bracket
4DB 003 750-717	150	
4DB 003 750-721	1	with bracket

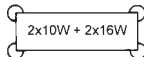
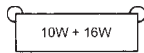
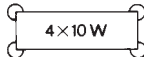
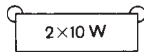
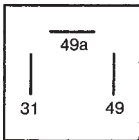


Mitsubishi, Volvo



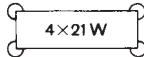
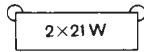
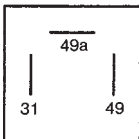
Part no.	Pk.	
4DB 003 750-391	1	Flasher unit, 12V, without bracket

Two-wheeled vehicles by Hercules, Rixe, Triumph, Zündapp



Part no.	Pk.	
4DB 003 750-707	250	Flasher unit, 12V
4DB 003 750-737	250	

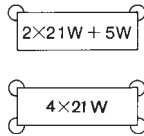
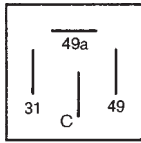
Universal



Part no.	Pk.	
4AZ 001 879-041	1	Flasher unit, 12V 10-140W

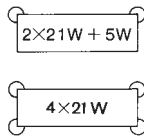
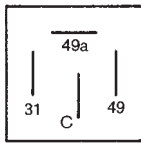
Flasher units 12V, 4-pole

John Deere, Porsche, Saab



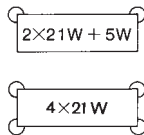
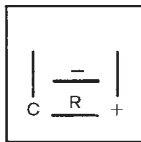
Part no.	Pk.	
4DB 001 887-04	1	Flasher unit, 12V

Lada, Volvo



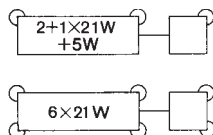
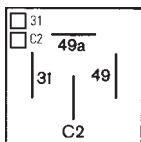
Part no.	Pk.	
4DB 003 425-04	1	Flasher unit, 12V

Alfa Romeo, Citroën, Fiat, Lancia, Peugeot, Renault, Seat



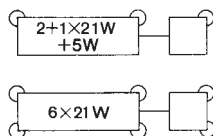
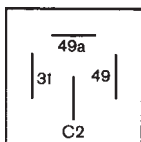
Part no.	Pk.	
4DB 007 218-001	1	Flasher unit, 12V

Audi, BMW, Citroën, Claas, Daihatsu, John Deere, Fiat, Ford, Gutbrod, Hako, Honda, Iveco-Ford, Lada, Lancia, Land Rover, Mazda, Mercedes-Benz, Mitsubishi, Nissan, Opel, Peugeot, Porsche, Rover, Saab, Seat, Skoda, Subaru, Suzuki, Toyota, Volkswagen, Volvo



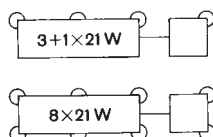
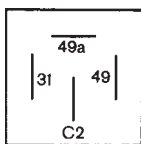
Part no.	Pk.	
4DM 003 360-021	1	Flasher unit, 12V
4DM 003 360-027	200	C2 and 31 connection on top

Mercedes-Benz



Part no.	Pk.	
4DM 003 390-011	1	Flasher unit, 12V

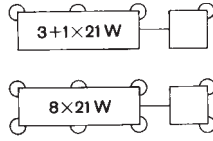
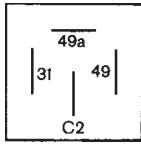
Mercedes-Benz



Part no.	Pk.	
4DW 003 390-061	1	Flasher unit, 12V

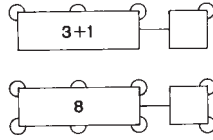
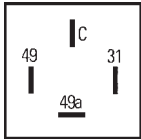
Flasher units 12V, 4-pole

Universal



Part no.	Pk.	
4DW 004 639-07	100	Flasher unit, 12V

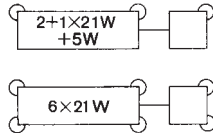
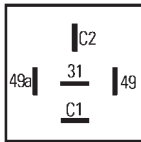
Universal



Part no.	Pk.	
4DW 009 492-111	1	Only in accordance with HELLA LED indicator LED-flasher unit, 12V, with bracket

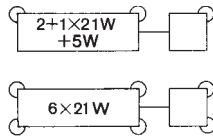
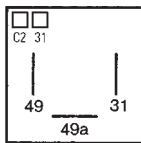
Flasher units 12V, 5-pole

Universal



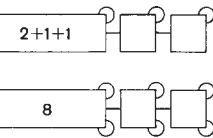
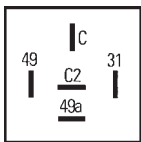
Part no.	Pk.	
4DM 003 460-021	1	Flasher unit, 12V

Audi, BMW, John Deere, Ford, Gutbrod, Honda, Iveco-Ford, Lada, Mazda, Mercedes-Benz, Opel, Peugeot, Porsche, Rover, Saab, Seat, Skoda, Subaru, Suzuki, Steyr, Toyota, Volkswagen



Part no.	Pk.	
4DM 005 698-021	1	C2 and 31 connection on top Flasher unit, 12V

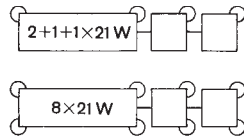
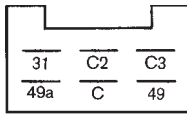
Universal



Part no.	Pk.	
4DN 009 492-101	1	Only in accordance with HELLA LED indicator Flasher unit, 12V

Flasher units 12V, 5-pole

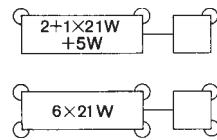
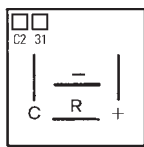
John Deere



Part no.	Pk.	
4DN 996 173-017	250	Flasher unit, 12V

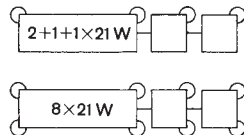
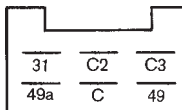
Flasher units 12V, 6-pole

Alfa Romeo, Citroën, Fiat, Lancia, Peugeot, Renault, Seat



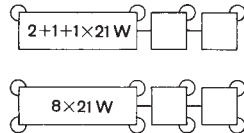
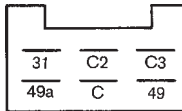
Part no.	Pk.	
4DM 005 698-031	1	Flasher unit, 12V
C2 and 31 connection on top		

Case International, Dexheimer, Fiat Geotech, Massey-Ferguson



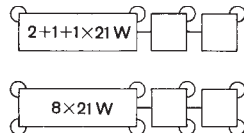
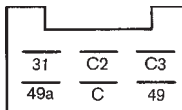
Part no.	Pk.	
4DN 008 768-101	1	Flasher unit, 12V

Fiat Geotech



Part no.	Pk.	
4DN 008 768-117	1	Flasher unit, 12V

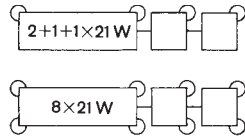
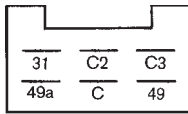
Case International, John Deere, Holder, Massey-Ferguson, Landini, Renault, Schlüter, Steyr, Sisu (Valmet), VME



Part no.	Pk.	
4DN 008 768-121	1	Flasher unit, 12V
4DN 008 768-127	99	

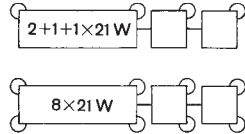
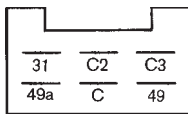
Flasher units 12V, 6-pole

Deutz-Fahr, Fendt



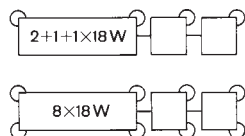
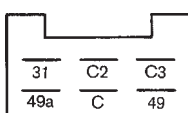
Part no.	Pk.	
4DN 008 768-131	1	Flasher unit, 12V
4DN 008 768-137	72	

John Deere, Ford, Schanzlin, Schlüter



Part no.	Pk.	
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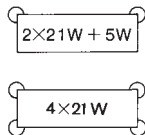
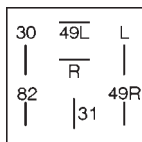
Case International, Case Poclairn, John Deere, Deutz-Fahr, Ford, Güldner, Holder, Krieger, Massey-Ferguson



Part no.	Pk.	
4DN 008 768-151	1	Flasher unit, 12V

Flasher units 12V, 7-pole

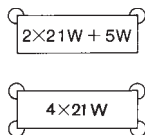
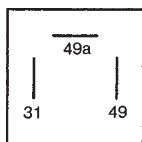
Alfa Romeo, BMW, Saab



Part no.	Pk.	
4DB 006 716-041	1	Flasher unit, 12V

Flasher units 24V, 3-pole

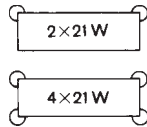
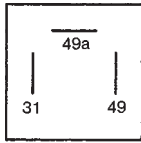
Mercedes-Benz



Part no.	Pk.	
4DB 003 675-011	1	Flasher unit, 24V, without "knocker" function

Flasher units 24V, 3-pole

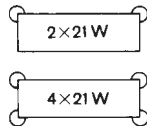
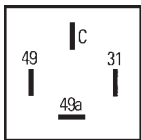
Universal



Part no.	Pk.	
4AZ 001 879-051	1	Flasher unit, 24V, 10 - 140W

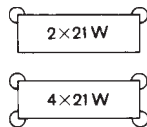
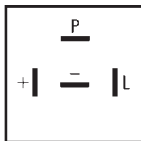
Flasher units 24V, 4-pole

Universal



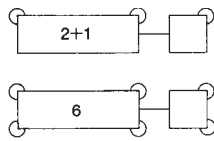
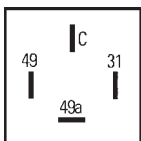
Part no.	Pk.	
4DB 009 123-031	1	Flasher unit, 24V

Universal



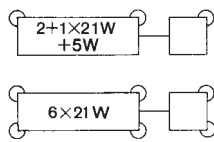
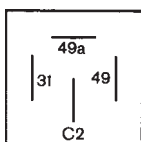
Part no.	Pk.	
4DB 009 123-041	1	Flasher unit, 24V

Universal



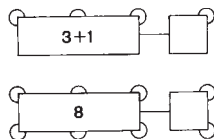
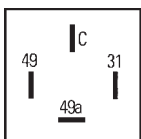
Part no.	Pk.	
4DM 009 492-001	1	Only in accordance with HELLA LED indicator LED-flasher unit, 24V

Mercedes-Benz



Part no.	Pk.	
4DM 003 390-031	1	Flasher unit, 24V

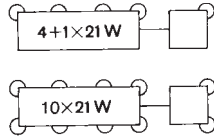
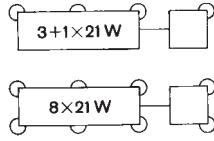
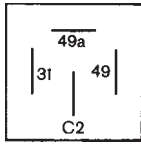
Mercedes-Benz



Part no.	Pk.	
4DW 009 492-011	1	Only in accordance with HELLA LED indicator LED-flasher unit, 24V

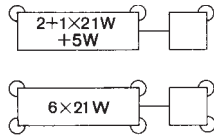
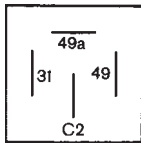
Flasher units 24V, 4-pole

Mercedes-Benz



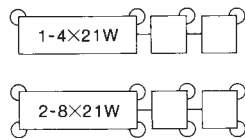
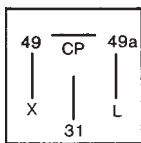
Part no.	Pk.	
4DW 004 513-021	1	Flasher unit, 24V, without "knocker" function
4DW 004 513-031	1	without "knocker" function 4+1x21W

Fiat, Kässbohrer



Part no.	Pk.	
4DM 004 639-061	1	Flasher unit, 24V
4DM 004 639-067	180	

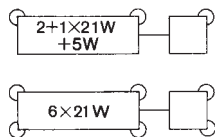
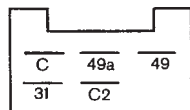
Universal



Part no.	Pk.	
4AZ 003 787-021	1	Flasher unit, 24V, 10 - 200W

Flasher units 24V, 5-pole

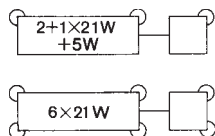
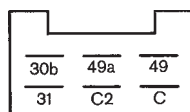
Auwärter G. (Neoplan), Renault, Steyr



Part no.	Pk.	
4DM 003 474-001	1	Flasher unit, 24V, with bracket
4DM 003 474-007	90	
4DM 003 474-017	126	without bracket

Flasher units 24V, 6-pole

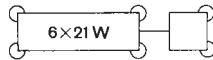
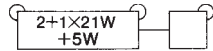
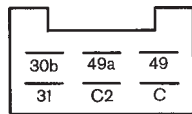
Steyr, VME



Part no.	Pk.	
4DM 003 944-081	1	Flasher unit, 24V

Flasher units 24V, 6-pole

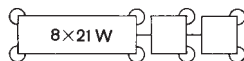
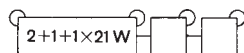
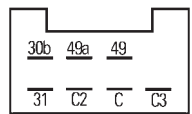
Berkhof, Bova/DAF, Duple, Iveco-Magirus, Kässbohrer, Land Rover, Mercedes-Benz, Renault Trucks, Van Hool, VME



Part no.	Pk.	
4DM 003 944-091	1	Flasher unit, 24V

Flasher units 24V, 7-pole

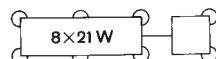
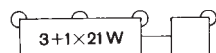
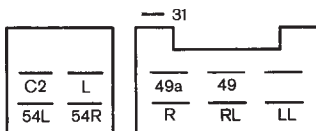
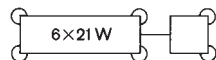
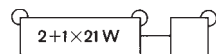
Mercedes-Benz



Part no.	Pk.	
4DN 009 124-011	1	Flasher unit, 24V

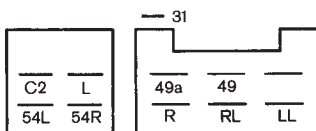
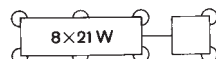
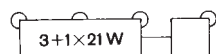
Flasher units 24V, 11-pole

Iveco-Magirus



Part no.	Pk.	
4DM 002 834-001	1	Flasher unit, 24V
4DW 002 834-101	1	Flasher unit, 24V

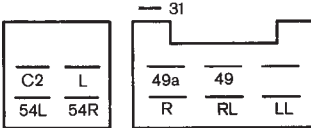
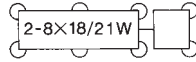
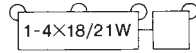
Mercedes-Benz



Part no.	Pk.	
4DW 002 834-121	1	Flasher unit, 24V

Flasher units 24V, 11-pole

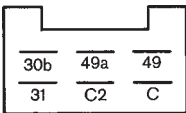
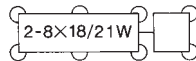
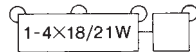
Universal



Part no.	Pk.	
4DZ 002 834-162	1	Flasher unit, 24V

Flasher units 12V/24V, 6-pole

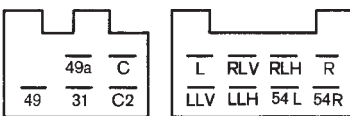
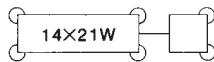
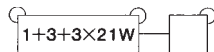
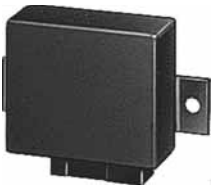
Universal



Part no.	Pk.	
4DZ 004 019-021	1	Flasher unit, 12V/24V

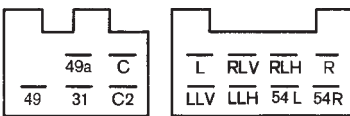
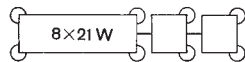
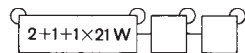
Flasher units 24V, 13-pole

Scania

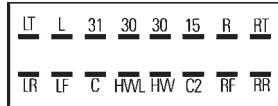
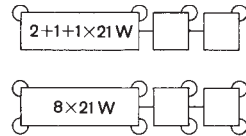


Part no.	Pk.	
4DJ 003 767-001	1	Flasher unit, 24V

Volvo



Part no.	Pk.	
4DN 004 589-031	1	Flasher unit, 24V



Flasher units 24V, 16-pole

Scania

Part no.	Pk.	
4DN 007 431-201	1	Flasher unit, 24V

Flasher unit regulations

HELLA flasher units comply with national and international regulations.

- o StVZO § 54 Direction indicator
- o EC Directive 48 Lighting equipments
- o EC Directive 76/756 Lighting equipments
- o US Federal Standard FMVSS 108 Lighting equipments
- o SAE J 590 Turn signal flasher unit
- o SAE J 945 Hazard flasher unit
- o EG Directive 72/245 radio interference suppression

Control function

Failure of a flasher lamp in a motorised vehicle or trailer must be indicated to the driver acoustically or by means of control lamps.

HELLA flasher units ensure control by means of

1. Doubling of the flashing rate (E control)
or
2. Control lamp cutoff (P control)

General technical data:

Rated voltage	12V	24V
Test voltage	13V	28V
Operating voltage	10V - 15V	20V - 30V
Test temperature	23 °C ± 5 °C	23 °C ± 5 °C
Operating temperature	-30 °C to +80 °C	-30 °C to +80 °C
Storage temperature	-40 °C to +90 °C	-40 °C to +90 °C
Flashing rate	90 ± flashes/min.	90 ± flashes/min.
Full illumination time, normal	50 % ± 10 %	50 % ± 10 %
Full illumination time, rapid flashers	40 % ± 5 %	40 % ± 10 %
Control type	E/P, EP, PP, PPP	EP, PP
Voltage drop 49-->49a	< 450 mV	< 450 mV
Device protection system, minimum	15A fuse	15A fuse
Device protection system, minimum	IP53 DIN 40050	IP53 DIN 40050

Flasher units-classification

The HELLA range comprises the following types of flasher units:

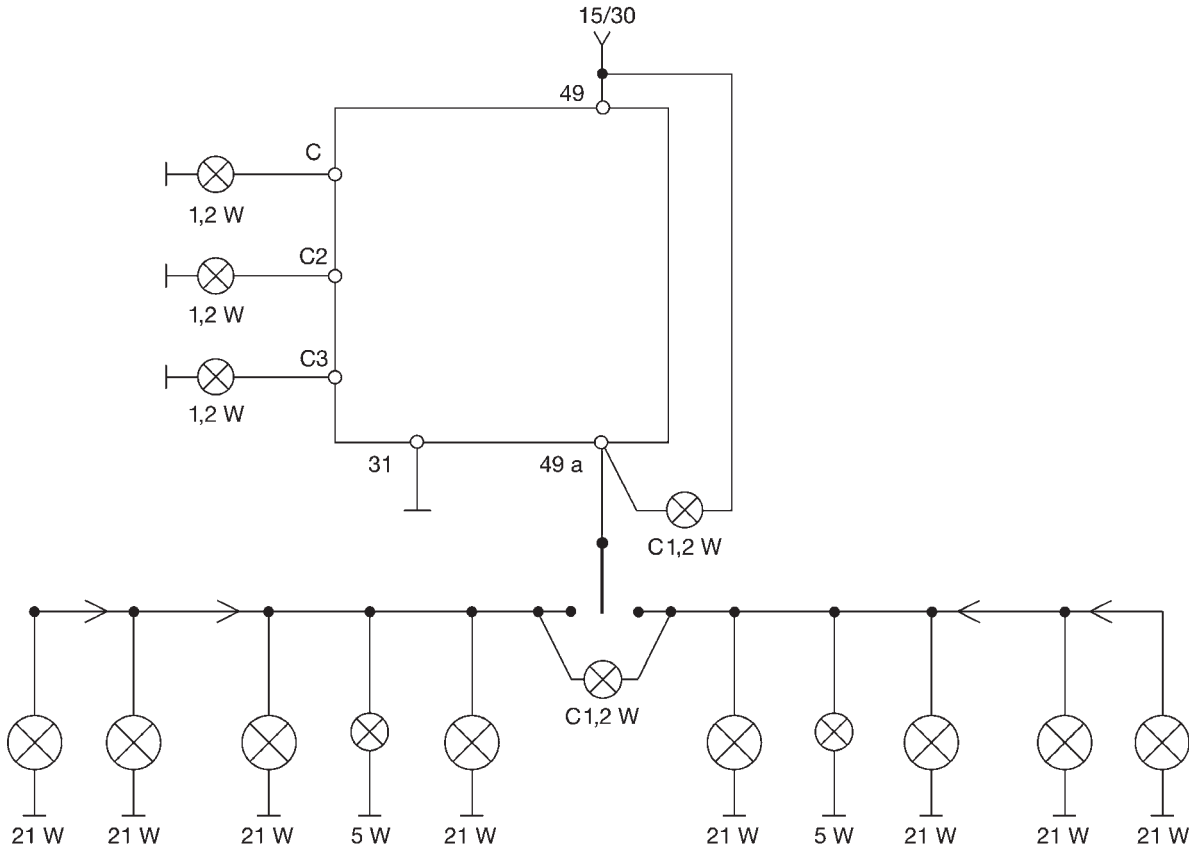
- o **Single-circuit flasher units**
- o **Two-circuit flasher units**
- o **Three-circuit flasher units**

This classification is based on the number of internal current/control circuits, via which the flasher lamps on the vehicle can be switched and controlled.

The test circuits

The single-circuit test circuit

There is only one test resistor for the entire flasher system in a single-circuit flasher unit. For this reason, the flasher unit cannot tell whether a flashing lamp on the motor vehicle or trailer is defective.



Load drop-off variants

- 2 (4) x 21W + 5W 12V
- 2+1 (6) x 21W + 5W 12V/24V
- 3+1 (8) x 21 W 12V/24V
- 2+1+1 (8) x 21W 12V

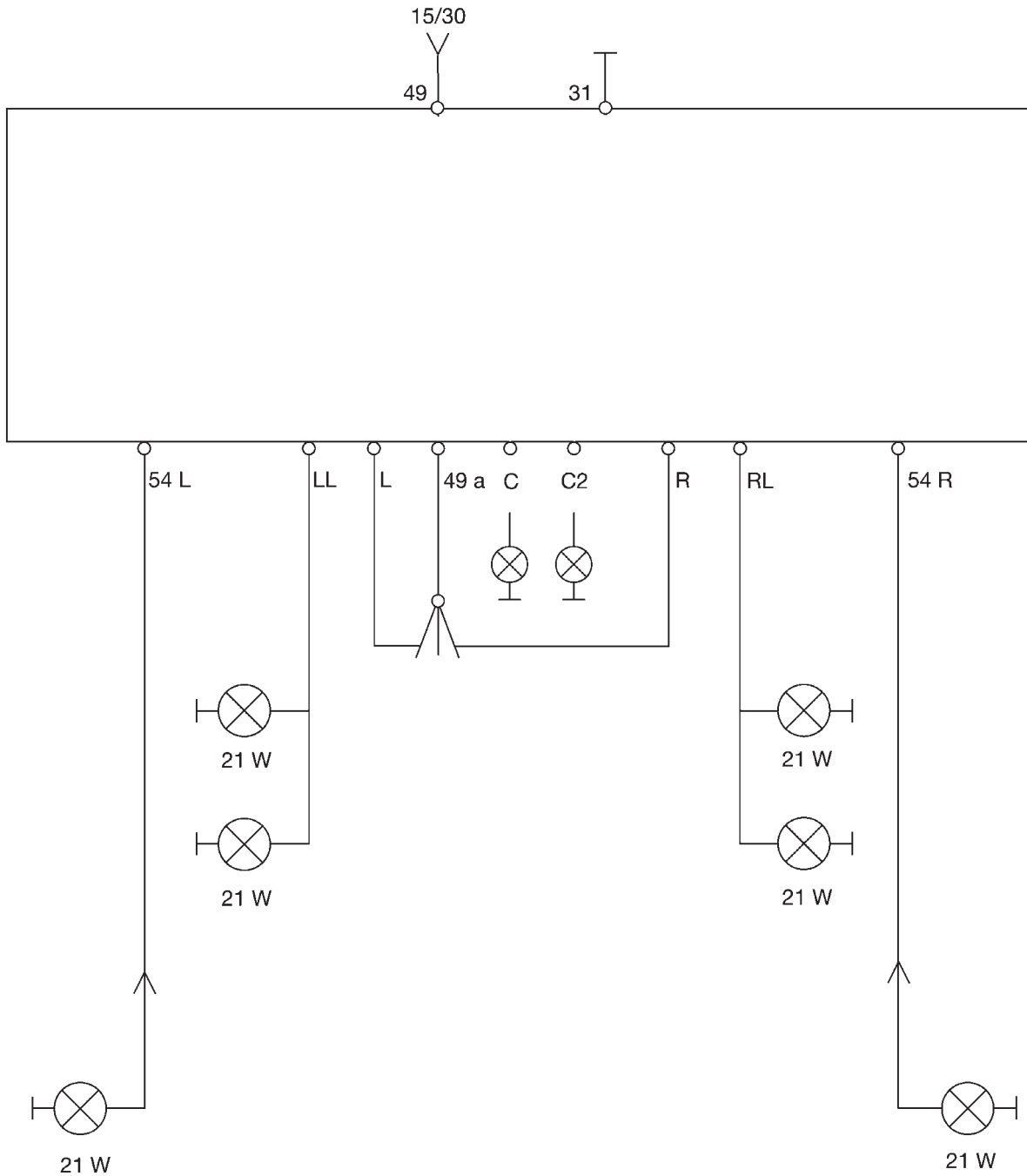
Control types

- E/P
- EP/PP
- EP/PP
- PPP

The two-circuit test circuit

In a two-circuit flasher unit, the test circuits are allocated to the vehicle and the trailer respectively.

The use of multiple-circuit flasher units makes sense in heavy utility vehicles and buses to reduce test signal losses in the long cables and many plugged connections and ensure a reliable lamp failure signal.



Load drop-off variants

2+1 (6) x 21W 12V/24V
3+1 (8) x 21W 12V/24V

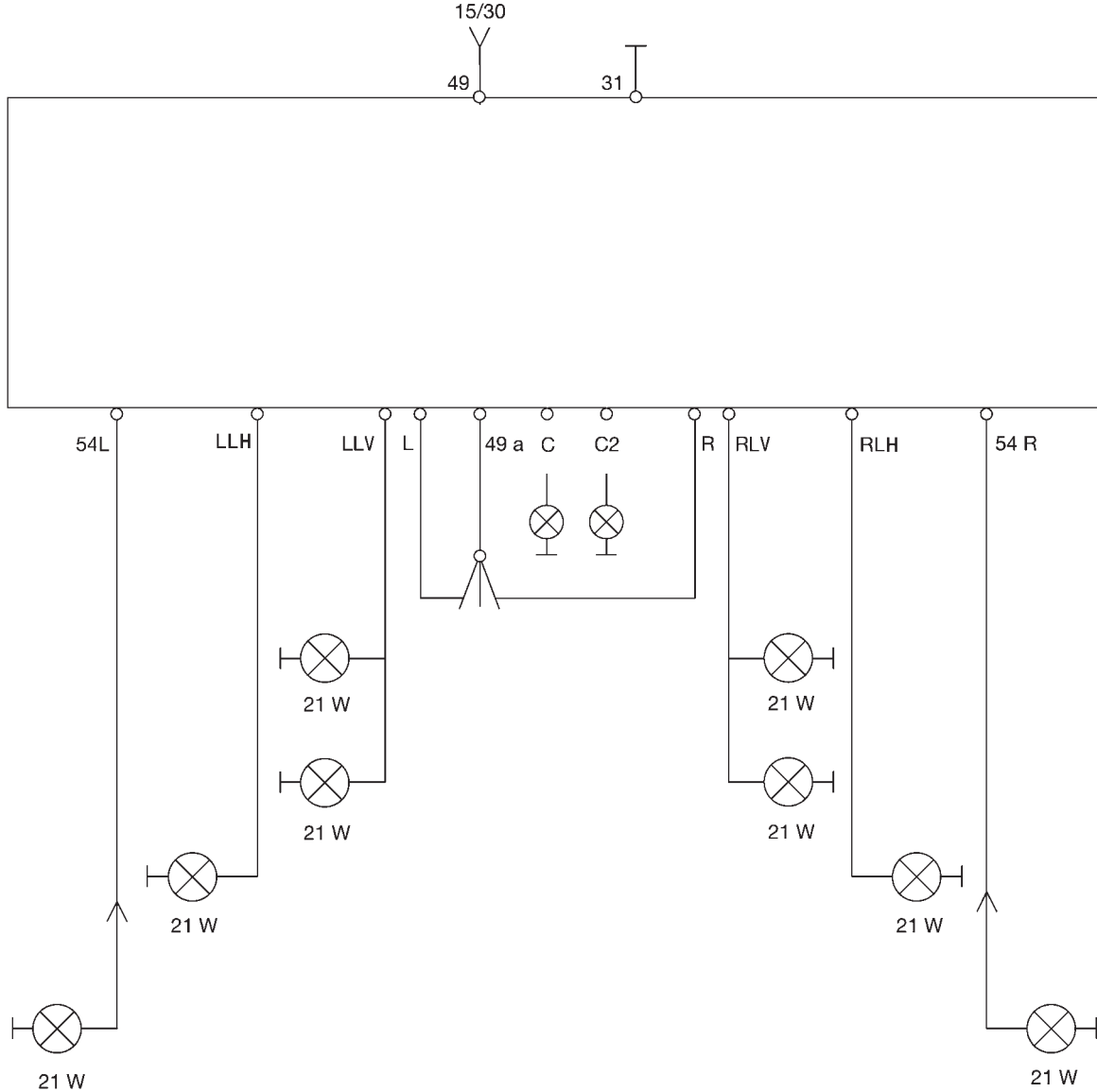
Control types

EP/PP
EP/PP

The three-circuit test circuit

With a three-circuit flasher unit there is a separate test circuit for front and rear flasher lamps on the towing vehicle and for the flasher lamps on the trailer.

The use of multiple-circuit flasher units makes sense in heavy utility vehicles and buses to reduce test signal losses in the long cables and many plugged connections and ensure a reliable lamp failure signal.



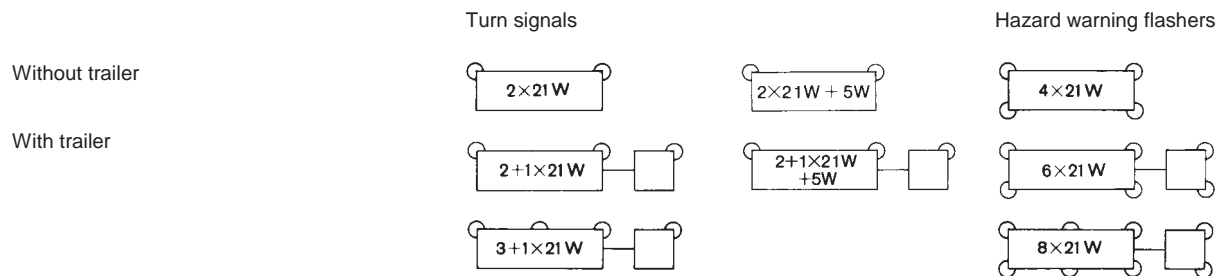
Load drop-off variants

- 1+1...3+1..3 x 21W 24V
- 2+1...3+1..3 x 21W 24V

Control types

- PP
- PP

Electronic turn signal and hazard flasher units for all applications, 12V and 24V



The electronic turn signal and hazard warning flasher units from HELLA are available with single-circuit, two-circuit or three-circuit system.

Single-circuit flasher units

Range of application:

Passenger cars, passenger cars with trailer, transporters, vans, small buses, trucks (light to medium-heavy class), agricultural vehicles, commercial vehicles

All flasher lamps on one side of the vehicle including trailer are switched and controlled by an internal power and control circuit in the flasher unit. A measuring resistor is responsible for the bulb failure check. The single-circuit flasher unit allows reliable control of up to four flasher lamps per vehicle side. A specific fault source display (towing vehicle/trailer) is not possible with single-circuit flasher units.

Single-circuit flasher units

Electronic turn signal and hazard warning flasher units, for vehicles with 12V system, small housing for fit equipment carrier.

With E-control,

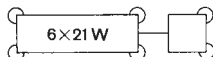
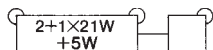
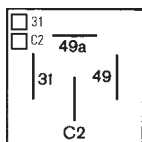
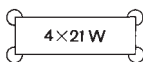
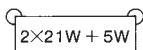
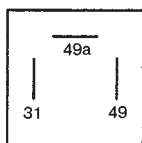
in the event of bulb failure the indicator lamp starts to flash quickly.

Part no.	Pk.	
4DB 003 750-711	1	Turn signal and hazard warning flasher unit, 3-pin, without bracket, 12V
4DB 003 750-717	150	
4DB 003 750-721	1	with bracket, 12V

Electronic turn signal and hazard warning flasher units, for vehicles with 12V system. with EP-control,

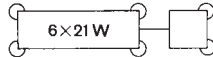
in the event of bulb failure on the towing vehicle the indicator lamp starts to flash quickly, in the event of bulb failure on the trailer the indicator lamp goes out. Suitable hazard warning flasher switch 6HF 001 579-052 (Pk.1) for vehicles with separate stop/flasher lamp function.

Part no.	Pk.	
4DM 003 360-021	1	C2 and 31 connection on top Turn signal and hazard warning flasher unit, 4-pole, 12V
4DM 003 360-027	200	



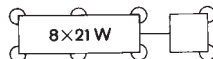
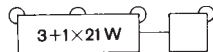
Single-circuit flasher units

For vehicles with 24V system, with P-control,
in the event of bulb failure on the towing vehicle or on a trailer the indicator lamp goes out.



Part no.	Pk.	
4DM 003 944-091	1	Turn signal and hazard warning flasher unit, 6-pole, 24V

For vehicles with 24V system, with P-control,
in the event of bulb failure on the towing vehicle or on a trailer the indicator lamp goes out.



Part no.	Pk.	
4DW 003 944-071	1	Turn signal and hazard warning flasher unit, 6-pole, 24V

Two-circuit flasher units

Range of application:

Trucks (medium-heavy to heavy class), buses, commercial vehicles

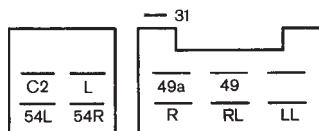
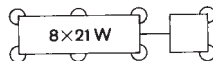
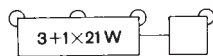
All flasher lamps on one side of the vehicle including trailer are switched and controlled by an internal power and control circuit in the flasher unit. One control circuit for the towing vehicle, the second for the trailer.

The advantage of this concept is the specific fault display (towing vehicle/trailer) which is not possible in this manner with a one-circuit system. The line losses are taken into consideration by the bulb failure evaluation circuitry for the trailer.

Two-circuit flasher units

Electronic turn signal and hazard warning flasher unit, for vehicles with 12V system, with P-control.

In the event of bulb failure the indicator lamp goes out.



Part no.	Pk.	

Three-circuit flasher units

Range of application:

Commercial vehicles (heavy class), buses

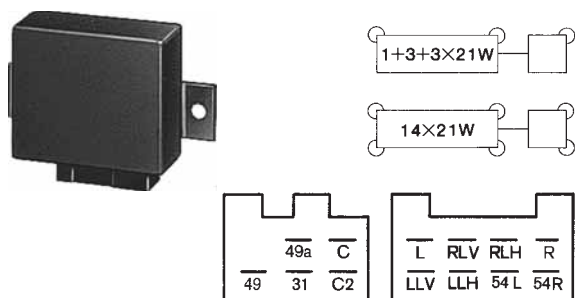
All flasher lamps on one side of the vehicle including trailer or semi-trailer are switched and controlled via three internal power and control circuits in the flasher unit. One control circuit for the front flasher lamps on the towing vehicle, the second for the rear flasher lamps on the towing vehicle. The third control circuit is for the flasher lamps on the trailer or the semi-trailer. Faults from the first and second control circuit are displayed by the indicator lamp for the towing vehicle. Faults from the third control circuit are displayed by the indicator lamp for the trailer. The negative influence on the control characteristics caused by long leads is significantly reduced with the three-circuit system.

Three-circuit flasher units

Electronic turn signal and hazard warning flasher unit, for vehicles with 24V system, with PP-control.

In the event of bulb failure on the towing vehicle or the trailer the indicator lamp goes out.

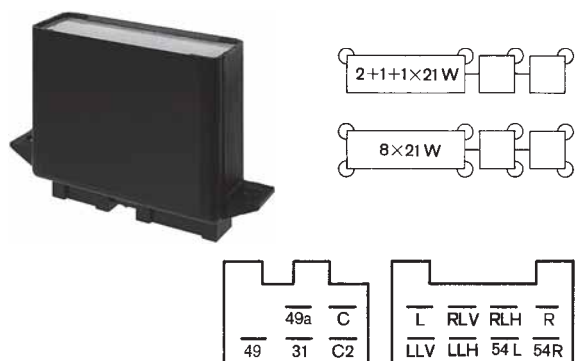
Part no.	Pk.	
4DJ 003 767-001	1	Turn signal and hazard warning flasher unit, 13-pin, 24V



Electronic turn signal and hazard warning flasher unit, for vehicles with 24V system, with PP-control.

In the event of bulb failure on the towing vehicle or the trailer the indicator lamp goes out.

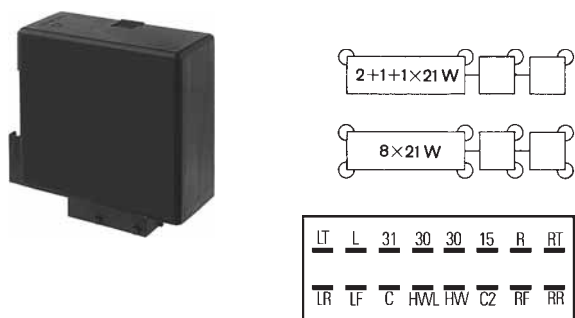
Part no.	Pk.	
4DN 004 589-031	1	Turn signal and hazard warning flasher unit, 13-pin, 24V

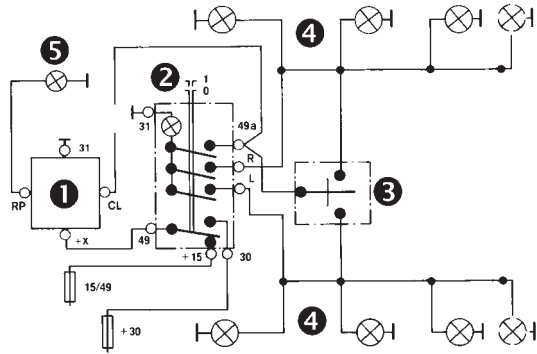


Electronic turn signal and hazard warning flasher unit, for vehicles with 24V system, with PP-control.

In the event of bulb failure on the towing vehicle or the trailer the indicator lamp goes out.

Part no.	Pk.	
4DN 007 431-201	1	Turn signal and hazard warning flasher unit, 16-pin, 24V



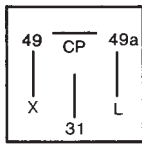


Universal electronic flasher unit with switch-on indicator

Transistor version, load-independent, increased short-circuit security. Max. load 10 - 200W. Proper function of the flasher unit is indicated, when a bulb fails the indicator does not flash.

Circuit diagram:

- 1 = Turn signal and hazard flasher unit
- 2 = Hazard warning flasher switch
- 3 = Flasher switch
- 4 = Flasher lamps
- 5 = Indicator lamp

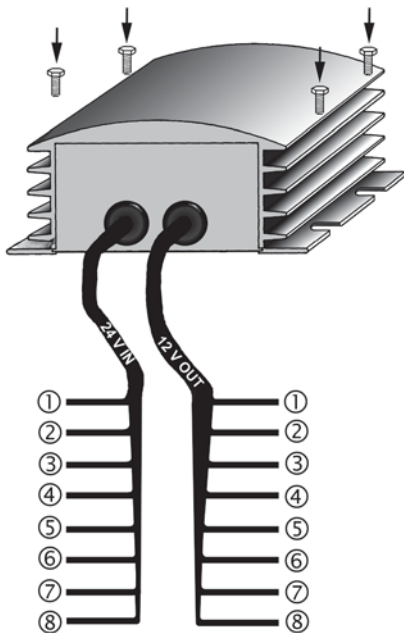


Part no.	Pk.	
4AZ 003 787-021	1	Turn signal and hazard warning flasher unit, 4-pole, 24V

Voltage transformers, Trailer connecting units



Voltage transformers, trailer connecting units



Colour of lead:

1 grey = Flasher light left	1 yellow = Flasher light left
2 blue = Flasher light right	2 blue = Rear fog light
3 black = Rear fog light	3 white = Earth
4 brown = Tail light left	4 green = Flasher light right
5 red = Tail light right	5 brown = Tail light right
6 yellow = Stop light	6 red = Stop light
7 green = Reversing light	7 black = Tail light left
8 white	8 grey = Reversing light

Allows the use of 12V trailers on vehicles with 24V operating voltage. The integrated voltage transformer makes operation without a separate voltage transformer possible. The trailer connecting unit has 7 channels for the trailer lamp function. Failure of a 12V trailer flasher lamp is indicated by the series warning light C2.

Known vehicle restrictions:

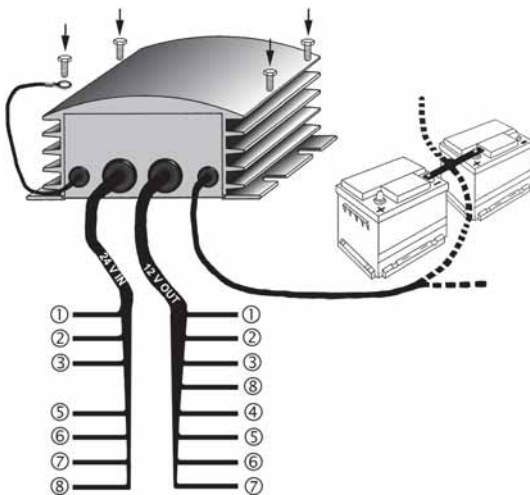
Mercedes Benz Atego MP2 series, DAF 75.360 CF.

Further vehicle applications between traction vehicle and trailer must be checked before permanent installation using 24V connector and 12V coupling; particularly with traction vehicles that are equipped with a bulb failure check.

Technical data:

Rated voltage: 24V/12V.
Capacity per switching channel: 2 x 21W.
Capacity per flasher lamp: 1 x 21W.
Operating temperature: -30 °C to +80 °C.
Polarity inversion protection: permanent protection.
Type of protection: IP5K9K acc. to DIN 50021-55.
Type approvals: e1 / CE.

Part no.	Pk.	
5DS 008 125-011	1	Voltage transformer, trailer connecting unit, 24V/12V



Colour of lead:

24V Towing vehicle ISO 12 098

1 yellow = Flasher light left
2 green = Flasher light right
3 blue = Rear fog light
5 black = Tail light left
6 brown = Tail light right
7 red = Stop light
8 grey = Reversing light

12V Trailer ISO 11446 bzw. ISO 1724

1 yellow = Flasher light left
2 blue = Rear fog light
3 white = Earth
4 green = Flasher light right
5 brown = Tail light right
6 red = Stop light
7 black = Tail light left
8 grey = Reversing light

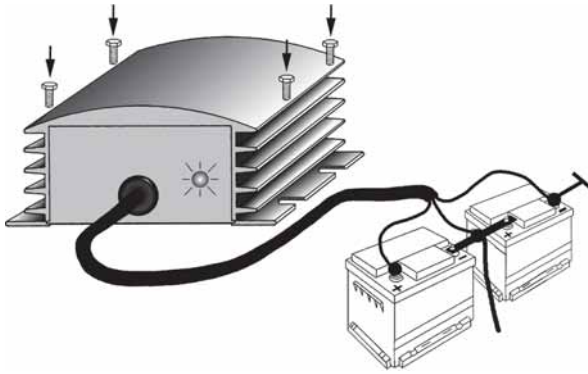
Allows the use of 12V trailers on vehicles with 24V operating voltage. The trailer connecting unit makes a separate voltage transformer or a voltage converter with 8A 12V necessary. The following units can be used for this purpose: 8ES 008 123-001, 8ES 008 124-001 or 8ES 006 658-021. The trailer connecting unit has 7 channels for the trailer lamp function. Failure of a 12V trailer flasher lamp is indicated by the series warning light.

Vehicle applications between traction vehicle and trailer must be checked before permanent installation using 24V connector and 12V coupling; particularly with traction vehicles that are equipped with a bulb failure check.

Technical data:

Rated voltage: 24V/12V.
Quiescent current: 8mA.
Control current of switching channels: 2.5mA.
Capacity per switching channel: 2 x 21W.
Capacity per flasher lamp: 21W.
Voltage drop along the switching channel: 200mV.
Operating temperature: -30 °C to +80 °C.
Polarity inversion: permanent protection.
Type of protection: IP5K9K acc. to DIN 50021-55.
Type approvals: e1 / CE.

Part no.	Pk.	
5DS 008 125-001	1	Voltage transformer, trailer connecting unit, 24V/12V



Voltage transformers, trailer connecting units

For vehicles with 24V operating voltage.

The voltage transformer detects the voltages of the two 12V batteries. The voltage transformer produces an equalising current if the battery on the earth side supplies less voltage. Operation of the device is indicated by a light emitting diode. Thus, 12V consumers can be connected to the battery on the earth side. The capacity of the voltage transformer depends on the average power drawn by all of the 12V consumers. If a conventional voltage transformer is used, the device's capacity is to correspond to the maximum power drawn by all of the 12V consumers. Therefore, simply add up the average power consumption of all 12V consumers.

The device is connected via 3 leads: one lead connects to 24V, the second to earth and the third to the centre cap between the batteries.
(see diagram).

Colour of lead:

**24V Towing vehicle
ISO 12 098**

- 1 grey = Reversing light
- 2 blue = Rear fog lamp
- 3 black = Tail light left
- 4 brown = Tail light right
- 5 red = Stop light
- 6 yellow = Flasher light left
- 7 green = Flasher light right
- 8 white = Earth

Part no.	Pk.	Technical data:
		Operating voltage: 24V. Compensation current: 8A. Quiescent current: 15mA. Switch-on voltage: 27V. Switch-off voltage difference : 0.5V. Operating temperature: -25 °C to +65 °C. Polarity safeguard and short-circuit proof. Type of protection: IP5K9K.
8ES 008 124-001	1	Charge compensator „Plus“ 8A

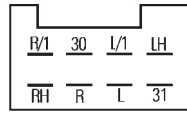
LED-indicator control unit

For use with HELLA LED-indicators.
For vehicles without flasher unit that carry out current measurement for the failure check.

Is a fault only determined during flashing (e.g. double flashing frequency). No independent voltage supply is required. Protective rating: IP6K9K.

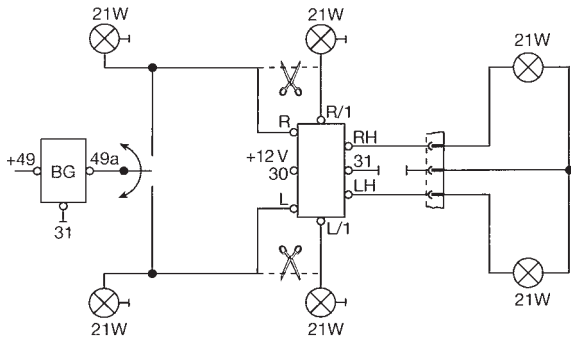


Part no.	Pk.	Indicator control unit for 24V trailers
5DS 009 552-001	1	



Universal

Allows connection of 12V socket without replacing present flasher on towing vehicle.
The flashers are controlled by the present control.



Part no.	Pk.	
4JA 009 126-011	1	Trailer connecting unit, 12V, 8-pin



	+ 24V/ Kl 15	
	+ 12V	
	- Masse/ Ground	

Voltage transformers

For commercial vehicles with 24V electrical systems.

Fitting the voltage transformer in vehicles with 24V electrical systems enables 12V radios etc. to be fitted.

Max. load: 2A.
Input voltage: 18V-30V.
Output voltage: 14V ± 3%.
Output power level: 28W.

Dimensions: 100 x 97 x 25 mm.
Distance between fixing holes: 80 mm.
Hole diameter: 7 mm.

Part no.	Pk.	
8ES 006 658-001	1	Voltage transformer



	+ 24V/ Kl 15	Batt/Kl 30	
	+ 12V	12V/10 mA Memory out	
	- Masse/ Ground	Masse/ Ground	

For commercial vehicles with 24V electrical systems.

For vehicle radios with auxiliary amplifier, two-way-radios, refrigerators, etc. The voltage transformer has a 12V/10mA memory connection for use with radios with station memory, clocks, etc. With exchangeable 4A fuse.

Max. load: 4A.
Input voltage: 18V - 30V.
Output voltage: 14V ± 3%.
Output power level: 56W.

Dimensions: 125 x 65 x 125 mm.
Four 4 mm dia. holes for fixing screws.
Distance between fixing holes: 95 x 116 mm.

Part no.	Pk.	
8ES 006 658-011	1	Voltage transformer



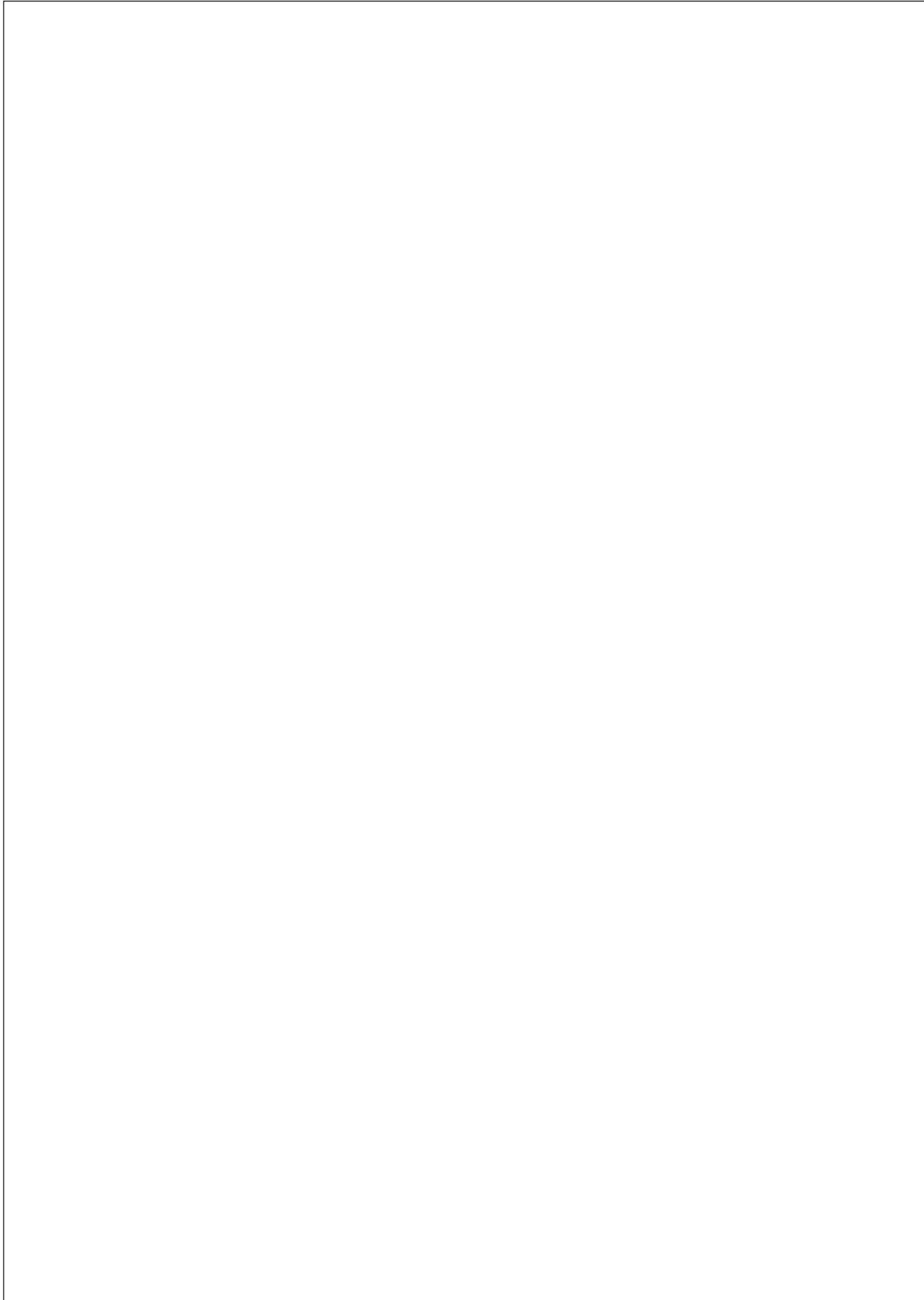
For commercial vehicles with 24V electrical systems.

For stereo-cassette-player/radio with auxiliary amplifier, portable television sets, refrigerators, two-way-radios, etc. The voltage transformer has a 12V/10mA memory connection for use with radios with station memory, clocks, etc. With exchangeable 8A fuse.

Max. load: 8A.
Input voltage: 18V - 30V.
Output voltage: 14V ± 3%.
Output power level: 112W.

Dimensions: 250 x 65 x 125 mm.
Four 4 mm dia. holes for fixing screws.
Distance between fixing holes: 117 x 210 mm.

Part no.	Pk.	
8ES 006 658-021	1	Voltage transformer





List of manufacturers/page for cars

1.42

Application chart for cars

1.43-1.53

List of manufacturers/page for light commercial vehicles

1.54

Application chart for light commercial vehicles

1.55-1.61

Product descriptions

1.62-1.70



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Manufacturer Model Vehicle type	Model year	Part no.	Note	after- glow capable
Alfa Romeo				
6 (119)	04/79->12/86			
2.5 TD (VM-HR 588 HT, 06/83->05/86)		4RV 008 188-101		
90 (162)	10/84->07/87			
2.4 TD (162.B5) (VM 81 A, 10/84->01/87)		4RV 008 188-101		
Alfetta (116)	07/74->12/84			
2.0 TD (116.BA) (VM4HT/2, 10/79->03/83); 2.4 TD (116.B3) (VM4HT 2.4, 04/83->12/84)		4RV 008 188-101		
Giulietta (116)	10/77->12/85			
2.0 TD (VM 4 HT, 03/83->04/85)		4RV 008 188-101		
Audi				
80 (81, 85, B2)	08/78->12/86			
1.6 D (CR, JK, 08/80->08/86); 1.6 TD (CY, 08/81->05/86)		4RV 008 188-171		●
80 (89, 89Q, 8A, B3)	06/86->10/91			
1.6 D (JK, 09/86->08/91); 1.6 TD (RA, SB, 09/86->08/91); 1.9 D (1Y, 08/89->08/91)		4RV 008 188-171		●
80 (8C, B4)	09/91->12/94			
1.9 TD (AAZ, 09/91->12/94)		4RV 008 188-181	up to chassis no. 8C-N-300 000	●
80 Avant (8C, B4)	09/91->01/96			
1.9 TD (AAZ, 09/91->12/94)		4RV 008 188-181	up to chassis no. 8C-N-300 000	●
90 (81, 85, B2)	08/84->03/87			
1.6 TD (CY, 10/85->01/87)		4RV 008 188-171		●
100 (43, C2)	06/76->07/82			
2.0 D (CN, 08/80->07/82)		4RV 008 188-171	from chassis no. 43-B-000 001	●
100 Avant (43, C2)	07/77->02/83			
2.0 D (CN, 08/80->02/83)		4RV 008 188-171	from chassis no. 43-B-000 001	●
100 (44, 44Q, C3)	08/82->07/91			
2.0 D Turbo (DE, 08/82->02/88); 2.0 D (CN, 08/82->07/88)		4RV 008 188-171		●
2.5 TDI (1T, 01/90->11/90)		4RV 008 188-181		●
100 Avant (44, 44Q, C3)	08/82->11/90			
2.0 D (CN, 03/83->11/90); 2.0 TD (DE, 03/83->10/87)		4RV 008 188-171		●
2.5 TDI (1T, 01/90->11/90)		4RV 008 188-181		●
100 (4A, C4)	12/90->07/94			
2.4 D (AAS, 12/90->06/94)		4RV 008 188-171		●
		4RV 008 188-181		●
2.5 TDI (AAT, ABP, 12/90->06/94)		4RV 008 188-171		●
100 Avant (4A, C4)	12/90->11/94			
2.4 D (AAS, 12/90->06/94)		4RV 008 188-171		●
		4RV 008 188-181		●
2.5 TDI (AAT, ABP, 12/90->06/94)		4RV 008 188-171		●
Citroën				
AX (ZA-)	07/86->12/98			
14 D (K9Y (TUD3Y), 08/91->12/97)		4RV 008 188-091		
		4RV 008 188-271	from org. no. 05715	
14 D (K9A (TUD3), 09/88->06/92)		4RV 008 188-091		
		4RV 008 188-271	from org. no. 05715	
1.4 D 4x4 (K9A (TUD3), 06/91->07/92)		4RV 008 188-271	from org. no. 05715	
15 D (VJY (TUD5), 08/94->12/97); 15 D (VJZ (TUD5), 08/94->12/97)		4RV 008 188-321		●
BX (XB-)	10/82->06/94			
1.8 D (161 (XUD7), 10/85->01/93); 19 D (DJZ (XUD9Y), 162 (XUD9), D9A (XUD9), 09/83->09/93); 19 D (D9B (XUD9A/U), 03/87->02/93); TRD Turbo (A8A (XUD7TE), AJZ (XUD7TE), 03/88->02/93)		4RV 008 188-091		
BX Break (XB-)	04/83->12/94			
19 D (DJZ (XUD9Y), 162 (XUD9), D9A (XUD9), 09/83->11/94); 19 D (D9B (XUD9A/U), 03/87->12/94); TRD Turbo (A8A (XUD7TE), AJZ (XUD7TE), 03/88->01/93)		4RV 008 188-091		

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Manufacturer Model Vehicle type	Model year	Part no.	Note	after-glow capable
Citroën				
CX I (MA)	09/74->08/85			
2500 D (M25-629, 08/79->06/82)		4RV 008 188-081		
CX I Break (MA)	09/75->08/85			
2500 D Turbo (M25-648, 04/83->08/85); 2500 D (M25-629, 08/79->08/85)		4RV 008 188-081		
CX II	07/85->12/92			
25 D Turbo (M25-648, 08/85->12/86); 25 D Turbo (M25-669, 04/87->12/92); 25 D (M25-660, 08/85->12/92)		4RV 008 188-081		
CX II Break	07/85->12/92			
25 D Turbo 2 (M25-669, 04/87->12/92); 25 D (M25-660, 05/86->06/88)		4RV 008 188-081		
Evasion (22, U6)	06/94->07/02			
1.9 TD (DHX (XUD9TF/BTF), D8B (XUD9TF), 11/94->07/02)		4RV 008 188-281	equipment version DSX	•
		4RV 008 188-291	equipment version DVSX	•
Saxo (S0, S1)	02/96->04/04			
1.5 D (VJY (TUD5), 09/96->09/03); 1.5 D (VJZ (TUD5), 09/96->06/01)		4RV 008 188-321		•
Visa	09/78->03/91			
17 D (161A (XUD7), 04/84->01/89)		4RV 008 188-091		
Xantia (X1)	03/93->01/98			
1.9 D (DJZ (XUD9Y), 06/94->01/98)		4RV 008 188-271	Engine Code DJZ (XUD9Y), up to org. no. 06778	•
		4RV 008 188-321		•
1.9 D (D9B (XUD9A/L), 06/94->01/98)		4RV 008 188-271	Engine Code D9B (XUD9A/L), from org. no. 06778	•
		4RV 008 188-321		•
1.9 Turbo D (DHY (XUD9TE/Y), DHX (XUD9TF/BTF), 10/94->01/98)		4RV 008 188-321		•
Xantia Break (X1)	06/95->01/98			
1.9 Turbo D (DHX (XUD9TF/BTF), D8B (XUD9TF), DHY (XUD9TE/Y), 06/95->01/98)		4RV 008 188-321		•
Xantia (X2)	01/98->04/03			
1.9 Turbo D (DHY (XUD9TE/Y), DHX (XUD9TF/BTF), 01/98->08/98)		4RV 008 188-321		•
XM (Y3)	05/89->10/94			
2.1 D 12V (P9A (XUD11A), 05/89->06/94); 2.1 TD 12V (P8A (XUD11ATE), PHZ (XUD11ATE), PJZ (XUD11ATE), 05/89->06/94)		4RV 008 188-271		
XM Break (Y3)	05/89->07/94			
2.1 D 12V (P9A (XUD11A), 11/91->04/94); 2.1 TD 12V (P8A (XUD11ATE), PHZ (XUD11ATE), PJZ (XUD11ATE), P8C (XUD11BTE), 11/91->04/94)		4RV 008 188-271		
XM (Y4)	05/94->10/00			
2.1 TD 12V (P8A (XUD11ATE), PHZ (XUD11ATE), PJZ (XUD11ATE), P8C (XUD11BTE), 05/94->10/00)		4RV 008 188-271	not for Engine No. 4281, not for Engine Code P8C	
2.1 D12 VSX (P9A (XUD11A), 03/96->08/96)		4RV 008 188-271		
XM Break (Y4)	05/94->10/00			
2.1 D12 (P9A (XUD11A), 07/94->06/96)		4RV 008 188-271		
2.1 TD 12V (PHZ (XUD11ATE), PJZ (XUD11ATE), P8C (XUD11BTE), 05/94->10/00)		4RV 008 188-271	not for Engine No. 4281, not for Engine Code P8C	
Xsara (N1)	04/97->04/05			
1.5 D (VJZ (TUD5), 04/97->09/00); 1.8 D (161A (XUD7), A9A (XUD7), 04/97->09/00); 1.8 TDY (10/97->09/00); 1.9 D (DJY (XUD9A), 04/97->09/00); 1.9 TD (DHY (XUD9TE/Y), 04/97->09/00)		4RV 008 188-321		•
Xsara Break (N2)	10/97->08/05			
1.8 D (A9A (XUD7), 10/97->09/00); 1.9 D (DJY (XUD9A), 10/97->09/00); 1.9 TD (DHY (XUD9TE/Y), 10/97->09/00)		4RV 008 188-321		•
ZX (N2)	03/91->10/97			
1.4 D (K9Y (TUD3Y), 07/94->10/97)		4RV 008 188-271		
1.8 D (161A (XUD7), 06/93->06/97)		4RV 008 188-271	up to org. no. 06778	
1.9 D (D9B, 06/95->06/97)		4RV 008 188-301		•
1.9 TD (DHY (XUD9TE/Y), 07/92->06/97)		4RV 008 188-281		•
ZX Break (N2)	10/93->02/98			
1.8 D (161A (XUD7), 10/93->10/97)		4RV 008 188-271	up to org. no. 06778	
1.9 D (D9B, 06/94->10/97)		4RV 008 188-301		•



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Manufacturer Model Vehicle type	Model year	Part no.	Note	after- glow capable
Citroën				
ZX Break (N2)	10/93->02/98			
1.9 TD (DHY (XUD9TE/Y), 10/93->10/97)		4RV 008 188-281		•
Fiat				
Argenta (132A)	05/77->03/87			
2500 Diesel (8144.61, 06/81->11/85)		4RV 008 188-091		
Croma (154)	12/85->12/96			
2500 D (8144.67, 01/89->12/89)		4RV 008 188-091		
Panda (141A_)	03/80->07/04			
1300 D (156 A5.000, 04/86->12/89)		4RV 008 188-111		•
Ritmo II (138A)	10/82->12/88			
60 Diesel 1.7 (149 B3.000, 138 C.000, 05/85->12/87); 60 Diesel 1.7 (138 B6.000, 10/82->10/85)		4RV 008 188-111		•
Ulysse (220)	06/94->08/02			
1.9 TD (220AH5) (DHX (XUD9TF/L), 02/95->08/02)		4RV 008 188-281		•
131	10/74->12/86			
2.0 D (8144.65, 07/78->08/84); 2.5 Diesel (8144.61, 06/78->02/84)		4RV 008 188-091		
131 Familiare/Panorama	03/75->12/84			
2.0 D (8144.65, 07/78->08/84); 2.5 Super Diesel (AF) (8144.61, 03/79->12/84)		4RV 008 188-091		
Ford				
Escort IV (GAF, AWF, ABFT)	10/85->10/90			
1.8 D (RTA, RTB, 01/89->07/90)		4RV 008 188-221		•
Escort IV Estate (AWF, AVF)	10/85->10/90			
1.8 D (RTA, RTB, 01/89->07/90)		4RV 008 188-221		•
Escort V (GAL)	07/90->12/92			
1.8 D (RTE, RTF, RTH, 07/90->12/92)		4RV 008 188-221		•
Escort V Estate (GAL, AVL)	07/90->12/92			
1.8 D (RTE, RTF, RTH, 07/90->12/92)		4RV 008 188-221		•
Escort VI Estate (GAL)	09/92->01/95			
1.8 D (RTH, 09/92->01/95)		4RV 008 188-221		•
Escort VII (GAL, AAL, ABL)	01/95->08/02			
1.8 D (RTE, RTF, RTH, 01/95->12/96); 1.8 Turbo D (RVA, 12/95->10/98)		4RV 008 188-221		•
Escort VII Saloon (GAL, AFL)	01/95->02/99			
1.8 D (RTE, RTF, RTH, 01/95->12/96); 1.8 Turbo D (RVA, 12/95->02/99)		4RV 008 188-221		•
Escort VII Estate (GAL, ANL)	01/95->02/99			
1.8 Turbo D (RVA, 12/95->02/99)		4RV 008 188-221		•
Escort VII Convertible (ALL)	02/95->08/00			
1.8 Turbo D (RVA, 10/96->08/99)		4RV 008 188-221		•
Fiesta III (GFJ)	01/89->01/97			
1.8 D (RTD, RTG, RTC, 03/89->12/95)		4RV 008 188-221		•
Fiesta IV (JA_, JB_)	08/95->09/02			
1.8 D (RTK, RTJ, 08/95->04/00)		4RV 008 188-211		•
Granada (GU)	08/77->08/85			
2.5 D (STP, 08/82->08/85)		4RV 008 188-161		
Granada Estate (GNU)	08/77->08/85			
2.5 D (STP, 08/82->08/85)		4RV 008 188-161		
Orion II (AFF)	12/85->07/90			
1.8 D (RTA, RTB, 01/89->07/90)		4RV 008 188-221		•
Orion III (GAL)	07/90->10/94			
1.8 D (RTE, RTF, RTH, 11/90->12/93)		4RV 008 188-221		•
Scorpio I (GAE, GGE)	04/85->09/94			
2.5 D (STR, 12/85->02/92)		4RV 008 188-161		

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Manufacturer Model Vehicle type	Model year	Part no.	Note	after-glow capable
Ford				
Scorpio I Estate (GGE)	05/88->09/94			
2.5 TD (M SFA, SFB, 09/91->07/93); 2.5 TD (M SCB, 08/93->09/94)		4RV 008 188-161		
Sierra Hatchback (GBC)	08/82->02/87			
2.3 D (M YTT, 08/82->12/86)		4RV 008 188-161		
Sierra Estate (BNC)	08/82->12/86			
2.3 D (M YTT, 08/82->12/86)		4RV 008 188-161		
Sierra Hatchback (GBC, GBG)	01/87->03/93			
2.3 D (M YTR, 01/87->09/89)		4RV 008 188-161		
Sierra (GBG, GB4)	01/87->02/93			
2.3 D (M YTR, YTT, 01/87->09/89)		4RV 008 188-161		
Sierra Estate (BNG)	01/87->02/93			
2.3 D (M YTR, 01/87->02/93)		4RV 008 188-161		
Mercedes-Benz				
190 (W201)	10/82->08/93			
E 2.0 (201.024) (M M 102.961, M 102.962, 02/85->12/86)		4RV 008 188-371		•
D 2.0 (201.122) (M OM 601.911, 08/83->01/89);		4RV 008 188-051		•
D 2.0 (201.122) (M OM 601.911, 08/89->08/93)				
D 2.5 (201.126) (M OM 602.911, 04/85->01/89)		4RV 008 188-021		
D 2.5 (201.126) (M OM 602.911, 02/89->08/93);		4RV 008 188-061		•
D 2.5 (201.126) (M OM 602.911, 08/89->08/93)				
C-Class (W202)	03/93->05/00			
C 200 D (202.120) (M OM601.913, 03/93->08/95)		4RV 008 188-051		•
Saloon (W123)	01/76->12/85			
200 D (123.120) (M OM 615.940, 07/76->02/79);		4RV 008 188-001		
200 D (M OM 615.940, 03/79->11/85);		4RV 008 188-371		•
240 D (123.123) (M OM 616.912, 03/79->11/85);				
240 D (123.123) (M OM 616.912, 02/76->02/79)				
300 D (123.130) (M OM 617.912, 02/76->07/80);		4RV 008 188-371		•
300 D (123.130) (M OM 617.912, 03/79->11/85);				
300 Turbo-D (123.133) (M OM 617.952, 08/81->07/85)				
T-Model (S123)	09/77->12/85			
240 T D (123.183) (M OM 616.912, 03/79->12/85);		4RV 008 188-001		
240 T D (M OM 616.912, 09/77->02/79)		4RV 008 188-371		•
300 T D (123.190) (M OM 617.912, 09/77->10/85);		4RV 008 188-371		•
300 T D (123.190) (M OM 617.912, 03/79->11/85);				
300 T Turbo-D (123.193) (M OM 617.952, 10/80->11/85)				
Saloon (W124)	12/84->06/93			
200 D (124.120) (M OM 601.912, 12/84->08/89)		4RV 008 188-001		•
		4RV 008 188-371		•
200 D (124.120) (M OM 601.912, 02/89->08/89)		4RV 008 188-041		•
200 D (124.120) (M OM 601.912, 08/89->06/93)		4RV 008 188-001		•
		4RV 008 188-041		•
		4RV 008 188-371		•
250 D (124.125) (M OM 602.912, 02/89->06/93)		4RV 008 188-021		
250 D (124.125) (M OM 602.912, 01/89->06/93)		4RV 008 188-061		•
		4RV 008 188-371		•
250 D (124.125) (M OM 602.912, 04/85->06/93)		4RV 008 188-371		•
300 D (124.130) (M OM 603.912, 12/84->01/89);		4RV 008 188-031		
300 D 4-matic (124.330) (M OM 603.913, 09/86->08/90);				
300 D 4-matic (124.330) (M OM 603.913, 08/89->08/90)				
300 D (124.130) (M OM 603.912, 02/89->08/89)		4RV 008 188-061		•
300 D (124.130) (M OM 603.912, 06/90->06/93);		4RV 008 188-071		•
300 D (124.130) (M OM 603.912, 08/89->06/93);				
300 D 4-matic (124.330) (M OM 603.913, 02/89->08/92);				
300 D 4-matic (124.330) (M OM 603.913, 08/89->06/93)				
T-Model (S124)	09/85->06/93			
200 T D (124.180) (M OM 601.912, 09/85->08/91);		4RV 008 188-001		
200 T D (124.180) (M OM 601.912, 09/88->08/91)		4RV 008 188-371		•
200 T D (124.180) (M OM 601.912, 02/89->08/91)		4RV 008 188-041		•
250 T D (124.185) (M OM 602.912, 09/85->06/93);		4RV 008 188-371		•
250 T D (124.185) (M OM 602.912, 01/89->06/93)				
300 T D (124.190) (M OM 603.912, 09/86->01/89);		4RV 008 188-031		
300 T D (124.190) (M OM 603.912, 01/89->01/89)				



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Manufacturer Model Vehicle type	Model year	Part no.	Note	after- glow capable
Mercedes-Benz				
T-Model (S124)	09/85->06/93			
300 T D (124.190) (OM 603.912, 02/89->06/93)		4RV 008 188-071		•
G-Class (W460)	03/79->08/93			
240 GD (460,3) (OM 616.936, 03/79->08/87)		4RV 008 188-001 4RV 008 188-371		• •
250 GD (460,3) (OM 602.930, 10/87->12/92); 250 GD (460,3) (OM 602.930, 12/88->08/92); 300 GD (460,3) (OM 617.931, 12/79->12/91)		4RV 008 188-371		•
G-Class (W463)	09/89->			
300 GD (463.327, 463.328) (OM 603.931, 09/89->)		4RV 008 188-071		•
G-Class Open Off-Road Vehicle (W463)	09/89->			
300 GD (463.307) (OM 603.931, 12/90->09/97)		4RV 008 188-071		•
V-Class (638/2)	02/96->07/03			
V 230 TD (638.274) (OM 601.970, 09/96->07/03)		4RV 008 188-371		•
Opel				
Ascona C CC (84_, 89_)	09/81->08/88			
1.6 D (OM 16 D, 16 DA, 03/82->08/88)		4RV 008 188-161		
Ascona C (81_, 86_, 87_, 88_)	09/81->10/88			
1.6 D (OM 16 D, 16 DA, 03/82->08/88)		4RV 008 188-161		
Astra F CC (53_, 54_, 58_, 59_)	09/91->01/98			
1.7 D (OM 17 D, 12/91->09/92); 1.7 D (OM 17 DR, 07/92->01/98)		4RV 008 188-161		
Astra F (56_, 57_)	09/91->09/98			
1.7 D (OM 17 D, 03/92->09/92); 1.7 D (OM 17 DR, 07/92->09/98)		4RV 008 188-161		
Astra F Estate (51_, 52_)	09/91->01/98			
1.7 D (OM 17 D, 12/91->09/92); 1.7 D (OM 17 DR, 07/92->01/98)		4RV 008 188-161		
Kadett D (31_-34_, 41_-44_)	08/79->08/84			
1.6 D (OM 16 D, 03/82->08/84)		4RV 008 188-161		
Kadett D Estate (35_, 36_, 45_, 46_)	08/79->08/84			
1.6 D (OM 16 D, 03/82->08/84)		4RV 008 188-161		
Kadett E CC (33_, 34_, 43_, 44_)	09/84->08/91			
1.6 D (OM 16 D, 16 DA, 09/84->01/89); 1.7 D (OM 17 D, 02/89->08/91)		4RV 008 188-161		
Kadett E (39_, 49_)	09/84->08/91			
1.6 D (OM 16 D, 16 DA, 09/84->01/89); 1.7 D (OM 17 D, 02/89->08/91)		4RV 008 188-161		
Kadett E Estate (35_, 36_, 45_, 46_)	09/84->08/91			
1.6 D (OM 16 D, 16 DA, 09/84->01/89); 1.7 D (OM 17 D, 02/89->08/91)		4RV 008 188-161		
Omega A (16_, 17_, 19_)	09/86->05/94			
2.3 D (OM 23 YD, 10/86->03/94); 2.3 TD Interc. (OM 23 DTR, 08/88->03/94); 2.3 TD (OM 23 YDT, 10/86->08/88)		4RV 008 188-161		
Omega A Estate (66_, 67_)	09/86->05/94			
2.3 D (OM 23 YD, 10/86->03/94); 2.3 TD Interc. (OM 23 DTR, 09/88->03/94); 2.3 TD (OM 23 YDT, 10/86->08/88)		4RV 008 188-161		
Rekord E (17_-19_, 11_, 14_, 16_)	08/77->08/86			
2.2 D (OM 23 D, 08/78->01/82); 2.2 D (OM 23 D, 11/82->08/86); 2.2 TD (OM 23 TD, 06/84->08/86)		4RV 008 188-161		
Rekord E Estate (61_, 66_, 67_)	08/77->08/86			
2.2 D (OM 23 D, 08/78->01/82); 2.2 TD (OM 23 TD, 06/84->08/86); 2.3 D (OM 23 D, 11/82->08/86)		4RV 008 188-161		
Senator A (29_)	02/78->08/87			
2.2 TD (OM 23 TD, 11/84->08/87)		4RV 008 188-161		
Vectra A CC (88_, 89_)	04/88->11/95			
1.7 D (OM 17 D, 09/88->09/92)		4RV 008 188-161		
Vectra A (86_, 87_)	08/88->11/95			
1.7 D (OM 17 D, 10/88->09/92)		4RV 008 188-161		

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Manufacturer Model Vehicle type	Model year	Part no.	Note	after-glow capable
Peugeot				
106 I (1A, 1C)	08/91->04/96			
1.4 D (K9Y (TUD3Y), 09/92->04/96)		4RV 008 188-271		
1.5 D (VJY (TUD5), 06/94->04/96); 1.5 DY (06/94->04/96)		4RV 008 188-321		●
106 II (1)	04/96->			
1.5 D (VJY (TUD5), 05/96->)		4RV 008 188-321		●
205 I (741A/C)	02/83->10/87			
1.7 Diesel (161A (XUD7), 08/83->10/87)		4RV 008 188-091		
205 II (20A/C)	01/87->09/98			
1.7 Diesel (161A (XUD7), 07/87->09/98); 1.7 TD (A8B (XUD7TE), 01/90->08/98); 1.9 Diesel (DJZ (XUD9Y), 10/87->08/98)		4RV 008 188-091		
304 (_ 04M _)	10/69->10/79			
1.4 D (M20) (XL4D, 02/79->10/79)		4RV 008 188-081		
305 I (581A)	11/77->09/82			
1.5 Diesel (149 (XID), 01/79->06/81)		4RV 008 188-081		
1.5 Diesel (149 (XID), 07/81->09/82)		4RV 008 188-091		
305 I Break (581D)	08/80->09/82			
1.5 Diesel (149 (XID), 08/80->06/81)		4RV 008 188-081		
1.5 Diesel (149 (XID), 07/81->09/82)		4RV 008 188-091		
305 II (581M)	10/82->07/90			
1.9 D (162 (XUD9), D9A (XUD9), 10/82->07/88); 1.9 D (162 (XUD9), 10/82->07/88)		4RV 008 188-091		
305 II Break (581E)	10/82->07/90			
1.9 Diesel (162 (XUD9), D9A (XUD9), 10/82->12/88); 1.9 Diesel (162 (XUD9), 10/82->12/88)		4RV 008 188-091		
306 Hatchback (7A, 7C, N3, N5)	04/93->08/01			
1.8 D (A9A (XUD7), 05/93->06/95); 1.8 D (A9A (XUD7), 04/93->06/95); 1.9 D (DJZ (XUD9Y), 05/93->06/95); 1.9 D (XUD9, 04/93->06/95); 1.9 D (DJY (XUD9A), 06/94->06/95)		4RV 008 188-271	for manuf. exhaust norm CEE 19-5	
1.8 D (XUD7, 05/93->05/01); 1.9 D (XUD9A, 06/94->05/01)		4RV 008 188-301		●
1.9 D (DJZ (XUD9Y), 05/93->06/94); 1.9 D (XUD9, 04/93->06/94)		4RV 008 188-271	for manuf. exhaust norm US 87	
1.9 D (DJZ (XUD9Y), 05/93->08/98); 1.9 D (DJY (XUD9A), 06/94->08/98)		4RV 008 188-321		●
1.9 DT (XUD9TE, 05/93->05/01)		4RV 008 188-281		●
306 (7B, N3, N5)	04/93->05/01			
1.9 SLD (DJZ (XUD9Y), 06/94->06/95); 1.9 SLD (DJY (XUD9A), 06/94->06/95)		4RV 008 188-271	for manuf. exhaust norm CEE 19-5	
1.9 SLD (DJZ (XUD9Y), 06/94->08/98); 1.9 SLD (DJY (XUD9A), 06/94->08/98)		4RV 008 188-321		●
1.9 SLD (XUD9A, 07/95->05/01)		4RV 008 188-301		●
1.9 SRDT (XUD9TE, 06/94->05/01)		4RV 008 188-281		●
306 Break (7E, N3, N5)	06/94->04/02			
1.9 D (XUD9A, 03/97->04/02)		4RV 008 188-301		●
1.9 D (DJY (XUD9A), 03/97->08/98)		4RV 008 188-321		●
309 I (10C, 10A)	10/85->12/89			
1.9 D (162 (XUD9), D9A (XUD9), 06/86->07/89)		4RV 008 188-091		
309 II (3C, 3A)	07/89->12/93			
1.8 Diesel (161A (XUD7), 07/89->12/93); 1.8 TD (A8B (XUD7TE), 08/89->12/93); 1.9 Diesel (162 (XUD9), D9A (XUD9), DJZ (XUD9Y), 07/89->12/93)		4RV 008 188-091		
405 I (15B)	01/87->12/93			
1.8 Turbo Diesel (A8A (XUD7TE), AJZ (XUD7TEY), 03/88->12/92); 1.9 Diesel (D9B (XUD9A), 03/88->01/92)		4RV 008 188-091		
1.9 Diesel (DJZ (XUD9Y), 07/88->09/92); 1.9 Diesel (D9B (XUD9A), 03/88->12/92)		4RV 008 188-271	for manuf. exhaust norm CEE 19-5	
405 I Break (15E)	06/87->08/92			
1.8 TD (A8A (XUD7TE), AJZ (XUD7TEY), 10/88->01/92); 1.9 D (D9B (XUD9A), DJY (XUD9A), 10/88->01/92)		4RV 008 188-091		
1.9 D (DJZ (XUD9Y), 10/88->08/92); 1.9 D (D9B (XUD9A), DJY (XUD9A), 10/88->08/92)		4RV 008 188-271	for manuf. exhaust norm CEE 19-5	
405 II (4B)	08/92->11/99			
1.9 D (DJZ (XUD9Y), 08/92->06/94)		4RV 008 188-271	for manuf. exhaust norm US 87	
1.9 D (DJZ (XUD9Y), 07/94->10/95)		4RV 008 188-321		●



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Manufacturer Model Vehicle type	Model year	Part no.	Note	after- glow capable
Peugeot				
405 II (4B)	08/92->11/99			
1.9 D (🚗DJY (XUD9A), 06/94->10/95)		4RV 008 188-091		
1.9 D (🚗XUD9A, 07/95->10/95)		4RV 008 188-301		●
1.9 TD (🚗XUD9TE, 08/92->10/95)		4RV 008 188-281		●
405 II Break (4E)	08/92->10/96			
1.9 D (🚗DJZ (XUD9Y), 08/92->06/94)		4RV 008 188-271	for manuf. exhaust norm US 87	
1.9 D (🚗DJZ (XUD9Y), 07/94->10/96); 1.9 D (🚗DJY (XUD9A), 06/94->10/96)		4RV 008 188-321		●
1.9 D (🚗XUD9A, 07/95->10/96)		4RV 008 188-301		●
1.9 D (🚗XUD9, 09/93->06/94)		4RV 008 188-271	for manuf. exhaust norm US 87	
1.9 TD (🚗XUD9TE, 08/92->10/96)		4RV 008 188-281		●
504 (A_, M_)	07/68->07/86			
1.9 D (M20) (🚗XD4x88, 06/78->07/86); 2.1 D (A20, M20) (🚗XD4x90, 06/78->04/81); 2.3 D (A40, A45) (🚗134 (XD2), 06/78->04/81)		4RV 008 188-081		
2.1 D (A20, M20) (🚗XD4x90, 05/81->09/81); 2.3 D (A40, A45) (🚗134 (XD2), 05/81->12/83)		4RV 008 188-091		
504 Break (D_, F_)	04/71->07/86			
2.1 D (E20, F20) (🚗XD4x90, 06/78->04/81); 2.3 D (D40, F40) (🚗134 (XD2), 06/78->04/81)		4RV 008 188-081		
2.1 D (E20, F20) (🚗XD4x90, 05/81->09/81); 2.3 D (D40, F40) (🚗134 (XD2), 05/81->07/86)		4RV 008 188-091		
505 (551A)	05/79->12/93			
2.3 Turbo Diesel (🚗147 (XD2S), 09/80->08/81)		4RV 008 188-081		
2.3 Turbo Diesel (🚗147 (XD2S), 09/81->06/86); 2.5 Diesel (🚗155 (XD3), 06/81->12/93); 2.5 Diesel (🚗155 (XD3), 10/81->11/90); 2.5 Turbo Diesel (🚗152A (XD3T), 10/83->01/92); 2.5 Turbo Diesel (🚗XD3T, 10/83->12/90)		4RV 008 188-091		
505 Break (551D)	04/82->12/93			
2.3 Diesel (🚗147 (XD2S), 04/82->06/86); 2.5 Diesel (🚗155 (XD3), 01/86->01/92); 2.5 Diesel (🚗155 (XD3), 08/83->01/92); 2.5 Turbo Diesel (🚗152A (XD3T), 10/85->11/87)		4RV 008 188-091		
604 (561A_)	08/77->07/87			
2.3 TD (🚗147 (XD2S), 09/79->09/81)		4RV 008 188-081		
2.3 TD (🚗147 (XD2S), 10/81->05/83); 2.5 TD (🚗152A (XD3T), 08/83->12/86)		4RV 008 188-091		
605 (6B)	06/89->09/99			
2.1 D (🚗P9A (XUD11A), 06/89->07/95); 2.1 TD 12V (🚗P8C (XUD11BTE), 08/94->08/98); 2.1 Turbo Diesel (🚗PHZ (XUD11ATE), 06/89->09/99)		4RV 008 188-091		
806 (221)	06/94->08/02			
1.9 TD (🚗XUD9TE, 05/97->08/02)		4RV 008 188-281		●
Puch				
G-Class (W463)	09/89->			
300 GD (🚗OM 603.931, 09/89->)		4RV 008 188-071		●
Renault				
Espace I (J11_)	07/84->12/92			
2.1 TD (J/S115) (🚗J8S 240, J8S 774, 01/85->12/90)		4RV 008 188-101		
Espace II (J/S63_)	01/91->12/96			
2.1 TD (J633, J634, J/S635, J/S63D) (🚗J8S 610, 01/91->10/96)		4RV 008 188-101		
Fuego (136_)	02/80->11/92			
2.1 TD (🚗J8S 712, 08/82->07/84)		4RV 008 188-091		
Safrane I (B54_)	04/92->07/96			
2.5 dT (B548) (🚗S8U 762, S8U 763, 12/92->07/96)		4RV 008 188-201		●
9 (L42_)	09/81->12/89			
1.6 D (L424) (🚗F8M 700, F8M 720, F8M 730, 10/82->09/83)		4RV 008 188-101		
18 (134_)	04/78->11/93			
2.1 Diesel (1344) (🚗852 710, J8S 711, 11/81->07/86)		4RV 008 188-101		

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Manufacturer Model Vehicle type	Model year	Part no.	Note	after- glow capable
Renault				
18 Variable (135_)	02/79->11/93			
2.1 Diesel (1354) (🚗852 710, J8S 711, 05/81->07/86)		4RV 008 188-101		
20 (127_)	10/75->12/83			
2.1 Diesel (1276) (🚗852, 10/80->04/81)		4RV 008 188-081		
2.1 Diesel (1276) (🚗852, 05/81->12/83); 2.1 TD (🚗J8S 702, 01/82->12/83)		4RV 008 188-091		
21 (B48_)	09/89->06/94			
1.9 D (B48H, B48I) (🚗F8Q 710, 09/89->10/93); 2.1 D (B48V/B48O) (🚗J8S 740, J8S 600, 09/89->12/92); 2.1 Turbo-D (B486, B488, B48V) (🚗J8S 714, J8S 788, J8S 786, 09/89->06/94)		4RV 008 188-101		
21 Saloon (L48_)	03/86->06/94			
1.9 D (L48H, L48I) (🚗F8Q 710, 08/89->10/93); 2.1 D (L486) (🚗J8S 704, 03/86->12/89); 2.1 D (L48V, L48O) (🚗J8S 740, J8S 600, 05/89->06/94); 2.1 Turbo-D (L48A, L48W, L487, L488) (🚗J8S 714, J8S 788, J8S 786, 03/86->06/94)		4RV 008 188-101		
21 Estate (K48_)	03/86->08/94			
1.9 D (🚗F8Q 710, 03/86->08/94); 2.1 D (K/S486) (🚗J8S 704, 10/86->09/90); 2.1 D (K/S48V, K/S48O) (🚗J8S 740, J8S 600, 08/89->12/92); 2.1 D 4x4 (K486) (🚗J8S 704, 10/88->05/92); 2.1 Turbo-D (K48A, K48W, K487, K488) (🚗J8S 714, 10/86->11/93)		4RV 008 188-101		
25 (B29_)	04/84->12/93			
2.1 Diesel (B296) (🚗J8S 706, 04/84->05/89)		4RV 008 188-101		
2.1 Diesel (B296) (🚗J8S 736, 06/89->12/92); 2.1 Turbo-D (B290, B29W) (🚗J8S 708, J8S 738, 04/84->12/92)		4RV 008 188-091		
30 (127_)	02/75->03/86			
2.1 Turbo-D (1270) (🚗J8S 702, 02/82->03/86)		4RV 008 188-091		
Seat				
Cordoba (6K1, 6K2)	02/93->10/99			
1.9 D (🚗1Y, 01/96->08/96)		4RV 008 188-181	from chassis no. 6K-ZR530 332, 6K-ZR025 747	●
Ibiza I (021A)	06/84->12/93			
1.7 D (🚗022 A.5000, 06/84->08/87)		4RV 008 188-091		
Ibiza II (6K1)	03/93->08/99			
1.9 D (🚗1Y, 04/93->08/96)		4RV 008 188-181	up to chassis no. 6K-ZR530 332, 6K-ZR025 747	●
Malaga (023A)	11/84->12/93			
1.7 D (🚗022 A.5000, 05/85->08/87)		4RV 008 188-091		
Ronda (022A)	06/82->11/88			
1.7 Diesel (🚗022 A.5000, 06/82->12/86)		4RV 008 188-091		
Toledo I (1L)	01/91->10/99			
1.9 D (🚗1Y, 05/91->03/99); 1.9 D (🚗1Y, 12/95->03/99)		4RV 008 188-181	0517	●
131	05/75->12/86			
2.4 Diesel (🚗8144.61, 06/82->12/84)		4RV 008 188-091		
Ssangyong				
Musso (FJ)	02/95->			
2.3 D (🚗OM 601.940, MB-OM 661, 10/95->)		4RV 008 188-371		●
Talbot				
Horizon	02/78->06/86			
1.9 Diesel (🚗XUD9, 07/84->06/86); 1.9 Diesel (🚗XUD9, 07/82->06/86)		4RV 008 188-091		
Tagora	06/80->12/87			
2.3 Turbo Diesel (🚗XD2S, 08/81->12/83)		4RV 008 188-091		



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Manufacturer Model Vehicle type	Model year	Part no.	Note	after- glow capable
Vauxhall				
Astra CC	09/79->08/86			
1.6 D (16 D, 09/84->08/86)		4RV 008 188-161		
Astra Estate	09/79->08/86			
1.6 D (16 D, 09/84->08/86)		4RV 008 188-161		
Astra Mk II CC	09/84->08/91			
1.6 D (16 DA, 09/84->01/89); 1.7 D (17 DR, 01/89->08/91)		4RV 008 188-161		
Astra Mk II Belmont	09/85->12/91			
1.6 D (16 DA, 09/85->01/89); 1.7 D (17 D, 01/89->12/91)		4RV 008 188-161		
Astra Mk II Estate	09/84->08/91			
1.6 D (16 DA, 09/84->01/89); 1.7 D (17 D, 02/89->08/91)		4RV 008 188-161		
Astra Mk III (F)	09/91->09/98			
1.7 D (17 D, 03/92->09/92)		4RV 008 188-161		
Astra Mk III (F) CC	09/91->02/98			
1.7 D (17 D, 12/91->01/94)		4RV 008 188-161		
Astra Mk III (F) Estate	03/91->02/98			
1.7 D (17 D, 12/91->01/94)		4RV 008 188-161		
Carlton Mk II	10/78->08/86			
2.3 D (23 D, 05/83->08/86)		4RV 008 188-161		
Carlton Mk II Estate	10/78->08/86			
2.3 D (23 D, 05/83->08/86)		4RV 008 188-161		
Carlton Mk III	09/86->03/94			
2.2 TD (23 YDT, 10/86->08/88); 2.3 D (23 YD, 09/86->01/94); 2.3 TD Interc. (23 DTR, 03/92->01/94)		4RV 008 188-161		
Carlton Mk III Estate	09/86->03/94			
2.2 TD (23 YDT, 09/86->08/88); 2.3 D (23 YD, 09/86->01/92); 2.3 TD Interc. (23 DTR, 03/92->01/94)		4RV 008 188-161		
Cavalier Mk II	09/81->08/88			
1.6 D (16 D, 03/82->08/88)		4RV 008 188-161		
Cavalier Mk II Estate	09/81->08/88			
1.6 D (16 DA, 03/82->08/88)		4RV 008 188-161		
Cavalier Mk III CC	09/88->11/95			
1.7 D (17 D, 09/88->01/92)		4RV 008 188-161		
Cavalier Mk III (87)	09/88->11/95			
1.7 D (17 D, 09/88->01/92)		4RV 008 188-161		
Frontera Mk I (A)	03/92->10/98			
2.3 TD (23 DTR, 03/92->01/95)		4RV 008 188-161		
Volkswagen				
Golf I (17)	04/74->12/85			
1.5 D (CK, 08/76->07/80)		4RV 008 188-171	from chassis no. 179 3000 001	●
1.6 D (CR, JK, 08/80->07/83); 1.6 TD (CY, 03/82->07/83)		4RV 008 188-171		●
1.6 D (CR, JK, 08/80->07/81)		4RV 008 188-191		
Golf II (19E, 1G1)	08/83->12/92			
1.6 D (JP, ME, 08/83->10/91); 1.6 DY (08/83->10/91); 1.6 TD (JR, MF, 08/83->10/91)		4RV 008 188-171		●
1.6 TD (RA, SB, 04/89->10/91); 1.6 TD (1V, 08/89->10/91)		4RV 008 188-171		●
		4RV 008 188-181		●
Golf III (1H1)	08/91->07/98			
1.9 D (1Y, 11/91->08/97)		4RV 008 188-181	up to chassis no. 1H-P-990 000	●
Golf III Estate (1H5)	07/93->04/99			
1.9 D (1Y, 07/93->04/99)		4RV 008 188-181	up to chassis no. 1H-P-990 000	●
Jetta I (16)	08/78->02/84			
1.6 D (CR, JK, 08/80->02/84); 1.6 TD (CY, 03/82->02/84)		4RV 008 188-171		●
JETTA II (19E, 1G2, 165)	08/83->12/92			
1.6 D (JP, ME, 01/84->10/91)		4RV 008 188-191		
1.6 TD (JR, MF, 01/84->10/91)		4RV 008 188-171		●

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Manufacturer Model Vehicle type	Model year	Part no.	Note	after- glow capable
Volkswagen				
JETTA II (19E, 1G2, 165)	08/83->12/92			
1.6 TD (RA, SB, 04/89->10/91); 1.6 TD (1V, 01/90->10/91)		4RV 008 188-171		•
		4RV 008 188-181		•
Passat (32)	05/73->07/80			
1.5 D (CK, 08/77->07/80)		4RV 008 188-171		•
		4RV 008 188-181		•
		4RV 008 188-191		
Passat Estate (33)	05/73->10/81			
1.5 D (CK, 02/77->07/80)		4RV 008 188-171		•
		4RV 008 188-181		•
		4RV 008 188-191		
Passat (32B)	11/79->06/89			
1.6 D (CR, JK, 08/80->03/88); 1.6 TD (CY, 04/82->03/88); 1.6 TD (RA, 05/86->03/88)		4RV 008 188-171		•
1.6 D (CR, JK, 08/81->07/84)		4RV 008 188-181		•
1.6 TD (CY, 04/82->07/84)		4RV 008 188-181		•
		4RV 008 188-191		
Passat Saloon (32B)	08/84->03/88			
1.6 TD (CY, 01/85->03/88)		4RV 008 188-171		•
Passat Estate (32B)	08/80->06/89			
1.6 D (CR, JK, 08/80->03/88)		4RV 008 188-171		•
1.6 D (CR, JK, 08/80->07/84); 1.6 TD (CY, 04/82->07/84)		4RV 008 188-181		•
1.6 TD (CY, 04/82->03/88)		4RV 008 188-171		•
		4RV 008 188-191		
Passat (3A2, 35I)	02/88->12/97			
1.6 TD (RA, SB, 08/88->09/93); 1.9 D (1Y, 05/89->10/93)		4RV 008 188-171		•
Passat Estate (3A5, 35I)	02/88->06/97			
1.6 TD (RA, SB, 08/88->09/93); 1.9 D (1Y, 05/89->10/93)		4RV 008 188-171		•
Polo (86C, 80)	10/81->09/94			
1.3 D (MN, 08/86->07/90)		4RV 008 188-171		•
		4RV 008 188-181	from chassis no. 80-K-000 001	•
Polo Classic (86C, 80)	01/85->09/94			
1.3 D (MN, 08/86->12/88)		4RV 008 188-171		•
Polo Coupé (86C, 80)	10/81->09/94			
1.3 D (MN, 08/86->08/90)		4RV 008 188-171		•
		4RV 008 188-181	from chassis no. 80-K-000 001	•
Vento (1H2)	11/91->09/98			
1.9 D (1Y, 11/91->09/98)		4RV 008 188-181	up to chassis no. 1H-P-990 000	•
Volvo				
240 (P242, P244)	08/74->12/93			
2.4 Diesel (D 24, 01/85->07/85); 2.4 Diesel (D 24, 08/87->08/93)		4RV 008 188-331		•
240 Estate (P245)	08/74->08/93			
2.4 Diesel (D 24, 08/88->08/93); 2.4 Diesel (D 24, 01/85->08/93)		4RV 008 188-331		•
740 Estate (745)	08/84->08/92			
2.4 TD Interc. (D 24 TIC, 08/86->07/88); 2.4 Turbo-Diesel (D 24 T, 09/85->07/92)		4RV 008 188-331		•
760 (704, 764)	08/81->07/92			
2.4 TD Interc. (704) (D 24 TIC, 08/87->07/92); 2.4 Turbo Diesel (704) (D 24 T, 04/87->07/92); 2.4 Turbo Diesel (704) (D 24 T, 01/85->07/87)		4RV 008 188-331		•
760 Estate (704, 765)	01/82->07/92			
2.4 TD Interc. (765) (D 24 TIC, 08/87->07/92)		4RV 008 188-331		•
940 (944)	08/90->12/94			
2.4 D (D 24, 08/90->07/92); 2.4 TD Intercooler (D 24 TIC, 08/90->12/94); 2.4 Turbo Diesel (D 24 T, 08/90->08/93)		4RV 008 188-331		•
940 Estate (945)	08/90->10/95			
2.4 Turbo Diesel (D 24 T, 08/90->07/94)		4RV 008 188-331		•



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Manufacturer Model Vehicle type	Model year	Part no.	Note	after- glow capable
Volvo				
940 II (944)	08/94->10/98			
2.4 TD Interc. (D 24 TIC, 08/94->10/98)		4RV 008 188-331		•
940 II Estate (945)	08/94->10/98			
2.4 TD Interc. (D 24 TIC, 08/94->10/98)		4RV 008 188-331		•
960 (964)	08/90->07/94			
2.4 TD Interc. (D 24 TIC, 09/91->07/94)		4RV 008 188-331		•
960 Estate (965)	08/90->07/94			
2.4 TD Interc. (D 24 TIC, 09/91->07/94)		4RV 008 188-331		•

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Çâîêçä	NKRR
cá-í	NKRRJNKRS
cçêÇ	NKRS
fî ÉÁÇ	NKRS
j ÉêÅÉÇÉëJ_Éâò	NKRSJNKRT
l éÉã	NKRU
mÉì ÖÉçí	NKRUJNKRV
oÉã~ì äí	NKRV
s~ì ñÛ~ää	NKRVJNKSM
sçääëî ~ÖÉã	NKSMJNKSN



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Manufacturer Model Vehicle type	Model year	Part no.	Note	after-glow capable
Citroën				
Berlingo (MF)	07/96->			
1.9 D (MFDJY) (D9B, 07/96->)		4RV 008 188-301		•
1.9 D (MFDJY) (DJY (XUD9A), D9B (XUD9A/L), 07/96->08/98)		4RV 008 188-321		•
Berlingo Box (M_)	07/96->			
1.8 D (MBA9A, MCA9A) (A9A, 07/96->)		4RV 008 188-301		•
1.9 D (MBDJY) (DJY (XUD9A), 07/96->08/98)		4RV 008 188-321		•
C15 (VD-)	10/84->12/05			
1.8 D (161A (XUD7), 07/86->12/00)		4RV 008 188-091		
Jumpy (U6U)	06/94->			
1.9 D (D9B, 10/95->04/98)		4RV 008 188-301		•
C25 Bus (280_, 290_)	07/81->02/94			
1.9 D (D9B (XUD9A/U), 07/87->01/94)		4RV 008 188-091		
2.5 D 4x4 (CRD93L (U25-661), 01/87->01/94);		4RV 008 188-081		
2.5 D Turbo 4x4 (CRD93LS (U25-673), 08/87->01/94);				
2.5 D Turbo (CRD93LS (U25-673), 08/87->01/94);				
2.5 D (CRD93L (U25-661), 10/85->01/87)				
Jumper Bus (230P)	02/94->04/02			
2.5 D 4x4 (T9A (DJ5), 08/96->04/02); 2.5 D (T9A (DJ5), 08/94->04/02);		4RV 008 188-321		•
2.5 TD 4x4 (T8A (DJ5T), 08/96->04/02); 2.5 TD (T8A (DJ5T), 08/94->04/02);				
2.5 TDi (THX (DJ5TED), 12/96->11/00)				
Jumper Box (230L)	02/94->04/02			
1.9 D (D9B (XUD9A/U), 02/94->06/95)		4RV 008 188-271		
2.5 D (T9A (DJ5), 03/94->04/02); 2.5 TD (T8A (DJ5T), 03/94->04/02)		4RV 008 188-321		•
Jumper Flatbed/Chassis (230)	03/94->04/02			
2.5 D (T9A (DJ5), 03/94->04/02); 2.5 TD (T8A (DJ5T), 03/94->04/02)		4RV 008 188-321		•
Fiat				
Fiorino (147)	01/80->10/93			
1.3 Diesel (127 A5.000, 07/85->12/87); 1.7 Diesel (149 B2.000, 01/88->10/93);		4RV 008 188-111		•
1.7 Diesel (149 B3.000, 12/87->12/90)				
Fiorino Pick up (147)	10/82->12/88			
1.3 D (127 A5.000, 07/85->12/88)		4RV 008 188-111		•
Punto Van (176L)	04/96->02/00			
1.7 D (176 B3.000, 04/96->02/00)		4RV 008 188-291		•
Scudo Combinato (220P)	02/96->12/06			
1.9 D (WJZ (DW8), 04/98->12/06); 1.9 D (D9B, 02/96->04/98)		4RV 008 188-301		•
Ducato Panorama (280)	07/82->08/90			
2.4 D (8144.61, 07/82->12/85); 2.4 TD 4x4 (8144.21, 01/86->08/90);		4RV 008 188-091		
2.4 TD (8144.21, 8144.21.220, 01/87->08/90);				
2.5 D 4x4 (8144.67, 01/87->08/90);				
2.5 D (8144.67, CRD93L (U25-661), 01/86->08/90)				
Ducato Box (280)	01/82->08/90			
2.5 D 4x4 (8144.67, 03/89->08/90);		4RV 008 188-091		
2.5 D (8144.67, CRD93L (U25-661), 01/82->08/90)				
Ducato Flatbed/Chassis (280)	07/82->08/90			
2.4 TD (8144.21, 01/86->08/90); 2.5 D 4x4 (8144.67, 03/89->08/90);		4RV 008 188-091		
2.5 D (8144.67, CRD93L (U25-661), 01/86->08/90)				
Ducato Panorama (290)	01/90->05/94			
2.5 D 4x4 (8144.67, 07/90->03/94); 2.5 D (8144.67, 07/90->03/94);		4RV 008 188-091		
2.5 TD 4x4 (8140.27, 01/91->03/94); 2.5 TD (8140.27, 08/90->03/94)				
Ducato Box (290)	03/89->05/94			
2.5 D 4x4 (8144.67, 07/90->03/94); 2.5 TD 4x4 (8140.27, 07/90->03/94);		4RV 008 188-091		
2.5 TD (8140.27, 07/90->03/94)				
Ducato Flatbed/Chassis (290)	03/89->05/94			
2.5 D (8144.67, 07/90->03/94)		4RV 008 188-091		
Ducato Bus (230)	03/94->04/02			
2.5 D Combinato (8140.67, 08/94->04/02)		4RV 008 188-091		
Ducato Box (230L)	03/94->04/02			
2.5 D (8140.67, 03/94->04/02)		4RV 008 188-091		

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Manufacturer Model Vehicle type	Model year	Part no.	Note	after- glow capable
Fiat				
Ducato Flatbed/Chassis (230)	03/94->04/02			
2.5 D (8140.67, 03/94->04/02)		4RV 008 188-091		
Ford				
Escort '86 Express (AVF)	02/86->07/90			
1.8 D (RTA, RTB, 07/88->07/90)		4RV 008 188-221		•
Escort '91 Express (AVL)	07/90->12/94			
1.8 D (RTH, 07/90->12/94)		4RV 008 188-221		•
Escort '95 Express (AVL)	01/95->			
1.8 D (RTF, RTH, 01/95->)		4RV 008 188-221		•
Fiesta Box (F3L, F5L)	07/91->02/96			
1.8 D (RTD, RTG, RTC, 09/91->02/96)		4RV 008 188-221		•
Fiesta Box (J5_, J3_)	02/96->			
1.8 D (RTK, 02/96->)		4RV 008 188-211		•
Fiesta Box (JV_)	05/98->			
D 1.8 (RTK, RTJ, 05/98->)		4RV 008 188-211		•
Iveco				
Daily I Box/Estate	01/78->08/98			
30-8 (10014131, 10014132, 10014137, 10014231, 10014232...) (8140.61.200, 01/84->06/89)		4RV 008 188-281		•
Daily I Flatbed/Chassis	01/78->05/99			
30-8 (10011131, 10011132, 10011231, 10011232, 10011237...) (8140.61.200, 01/84->06/89)		4RV 008 188-281		•
Mercedes-Benz				
100 Bus (631)	02/88->02/96			
D (631.333, 631.343, 631.334, 631.344) (OM 616.963, 02/88->05/92); D (631.333, 631.343, 631.334, 631.344) (OM 616, OM 616.963, 12/90->02/96)		4RV 008 188-051		•
100 Box (631)	02/88->02/96			
D (631.332, 631.342) (OM 616.963, 02/88->05/92); D (631.332, 631.342) (OM 616.963, 12/90->02/96)		4RV 008 188-051		•
100 Flatbed/Chassis (631)	02/88->02/96			
D (631.340) (OM 616.963, 12/90->02/96); D (631.340) (OM 616.963, 02/88->05/92)		4RV 008 188-051		•
Vito Bus (638)	02/96->07/03			
113 2.0 (638.114, 638.194) (M 111.948, M 111.950, 02/96->07/03); 114 2.3 (638.134, 638.194) (M 111.978, 12/96->07/03)		4RV 008 188-051		•
108 D 2.3 (638.164) (OM 601.942, 02/96->07/03); 110 TD 2.3 (638.174) (OM 601.970, 02/96->07/03)		4RV 008 188-051 4RV 008 188-371		• •
Vito Box (638)	03/97->07/03			
113 2.0 (638.014, 638.094) (M 111.948, M 111.950, 03/97->07/03); 114 2.3 (638.034, 638.094) (M 111.978, 03/97->07/03)		4RV 008 188-051		•
108 D 2.3 (638.064) (OM 601.942, 03/97->07/03); 110 D 2.3 (638.074) (OM 601.970, 03/97->07/03)		4RV 008 188-051 4RV 008 188-371		• •
Sprinter 2-t Bus (901, 902)	01/95->05/06			
210 D (OM 602.980, 03/97->04/00)		4RV 008 188-371		•
Sprinter 2-t Box (901, 902)	01/95->05/06			
210 D (OM 602.980, 01/97->04/00)		4RV 008 188-371		•
Sprinter 2-t Flatbed/Chassis (901, 902)	01/95->05/06			
210 D (OM 602.980, 01/97->04/00)		4RV 008 188-371		•
Sprinter 3-t Bus (903)	01/95->05/06			
308 D (OM 601.943, 02/95->04/00); 310 D 4x4 (OM 602.980, 05/97->08/02)		4RV 008 188-371		•
Sprinter 3-t Box (903)	01/95->05/06			
308 D 2.3 (OM 601.943, 02/95->04/00); 310 D 2.9 (OM 602.980, 02/95->04/00)		4RV 008 188-371		•
Sprinter 3-t Flatbed/Chassis (903)	01/95->05/06			
308 D 2.3 (OM 601.943, 02/95->04/00); 308 D 2.3 (OM 601.943, 11/96->04/00); 310 D 2.9 (OM 602.980, 01/97->04/00)		4RV 008 188-371		•



Manufacturer Model Vehicle type	Model year	Part no.	Note	after- glow capable
Mercedes-Benz				
T1 Bus (601)		05/77->02/96		
207 D 2.4 (OM616.937, 939, 07/82->01/89); 208 D 2.3 (OM 601.940, 10/88->02/96)		4RV 008 188-001		
207 D 2.4 (OM 616.937, OM 616.939, 07/82->01/89); 208 D 2.3 (OM 601.940, 10/88->06/95); 209 D 2.9 (OM 617.913, 12/82->01/89); 210 D 2.8 (OM 602.940, 11/88->06/95)		4RV 008 188-371		•
209 D 2.9 (OM 617.913, 12/82->12/89)		4RV 008 188-021		
209 D 2.9 (OM 617.913, 01/89->01/90)		4RV 008 188-061		•
T1 Box (601)		05/77->02/96		
208 D 2.3 (OM 601.940, 11/88->06/95); 208 D 2.3 (OM 601.940, 10/88->06/95)		4RV 008 188-001 4RV 008 188-371		•
207 D 2.4 (OM616.937, 939, 09/82->01/89)		4RV 008 188-001		
207 D 2.4 (OM 616.937, OM 616.939, 09/82->01/89); 209 D 2.9 (OM 617.913, 12/82->01/89); 210 D 2.8 (OM 602.940, 10/88->06/95)		4RV 008 188-371		•
209 D 2.9 (OM 617.913, 12/82->12/89)		4RV 008 188-021		
209 D 2.9 (OM 617.913, 01/89->01/90)		4RV 008 188-061		•
T1 Flatbed/Chassis (601)		01/77->02/96		
208 D 2.3 (OM 601.940, 06/89->06/95); 208 D 2.3 (OM 601.940, 11/88->06/95)		4RV 008 188-001 4RV 008 188-371		•
207 D 2.4 (OM616.937, 939, 09/82->01/89)		4RV 008 188-001		
207 D 2.4 (OM 616.937, OM 616.939, 09/82->01/89); 209 D 2.9 (OM 617.913, 12/82->01/89); 210 D 2.8 (OM 602.940, 10/88->06/95)		4RV 008 188-371		•
209 D 2.9 (OM 617.913, 12/82->12/89)		4RV 008 188-021		
209 D 2.9 (OM 617.913, 01/89->01/90)		4RV 008 188-061		•
T1 Bus (602)		04/77->02/96		
308 D 2.3 (OM 601.940, 05/90->06/95); 308 D 2.3 (OM 601.940, 06/89->06/95); 310 D 2.9 (OM 602.940, 06/89->06/95); 310 D 2.9 (OM 602.940, 06/90->06/95)		4RV 008 188-371		•
T1 Box (602)		10/82->02/96		
308 D 2.3 (OM 601.940, 06/89->06/95); 308 D 2.3 (OM 601.940, 11/88->06/95); 310 D 2.9 (OM 602.940, 06/89->06/95)		4RV 008 188-371		•
307 D 2.4 (OM 616.937, OM 616.939, 10/82->01/89)		4RV 008 188-001 4RV 008 188-371		•
309 D 3.0 (OM 617.913, 10/82->01/89)		4RV 008 188-021 4RV 008 188-371		•
309 D 3.0 (OM 617.913, 01/89->01/90)		4RV 008 188-061		•
T1 Flatbed/Chassis (602)		01/77->02/96		
307 D 2.4 (OM 616.937, OM 616.939, 06/82->01/89)		4RV 008 188-001		
307 D 2.4 (OM 616.937, OM 616.939, 09/82->01/89); 308 D 2.3 (OM 601.940, 06/89->06/95); 310 D 2.9 (OM 602.940, 06/89->06/95)		4RV 008 188-371		•
309 D 3.0 (OM 617.913, 10/82->01/89)		4RV 008 188-021 4RV 008 188-371		•
309 D 3.0 (OM 617.913, 01/89->01/90)		4RV 008 188-061		•
T1/TN Flatbed/Chassis		07/81->06/95		
407 D (611.317, 611.318) (OM 616.913, OM 616.939, 07/81->01/89); 409 D (611.417, 611.418) (OM 617.913, 04/82->01/89)		4RV 008 188-371		•
408 D (611.317, 611.318) (OM 601.940, 11/88->06/95)		4RV 008 188-371	up to chassis no. 941505	•
T1/TN Box/Estate		07/81->06/95		
407 D (611.367, 611.368) (OM 616.913, OM 616.939, 07/81->01/89); 409 D (611.467, 611.468) (OM 617.913, 04/82->01/89)		4RV 008 188-371		•
408 D (611.367, 611.368) (OM 601.940, 11/88->06/95)		4RV 008 188-371	up to chassis no. 941505	•
T2/LN1 Box/Estate		04/86->12/94		
507 D (667.361, 667.362) (OM 616.914, 04/86->04/89)		4RV 008 188-001 4RV 008 188-371		•
508 D (667.361, 667.362) (OM 601.941, 03/89->12/94)		4RV 008 188-371		•
T2/LN1 Flatbed/Chassis		04/86->12/94		
507 D (667.301, 667.302, 667.341, 667.342) (OM 616.914, 04/86->04/89)		4RV 008 188-001 4RV 008 188-371		•
T2/LN1 Kipper		04/86->12/94		
507 DK (667.341, 667.342) (OM 616.914, 04/86->04/89)		4RV 008 188-001 4RV 008 188-371		•
508 D (667.301, 667.302, 667.341, 667.342) (OM 601.941, 03/89->12/94)		4RV 008 188-371		•



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Manufacturer Model Vehicle type	Model year	Part no.	Note	after-glow capable
Opel				
Kadett E Box (37_, 47_)	08/84->09/93			
1.6 D (16 D, 16 DA, 08/84->08/88); 1.7 D (17 D, 08/88->09/92)		4RV 008 188-161		
Kadett E Combo (38_, 48_)	01/86->07/94			
1.6 D (16 DA, 01/86->01/89); 1.7 D (17 D, 01/89->07/94)		4RV 008 188-161		
Arena Combi (THB)	03/98->08/01			
2.5 D (S8U 782, S8U 780, S8U 758, 03/98->08/01)		4RV 008 188-201		•
Arena Box (TB, TF)	03/98->08/01			
2.5 D (S8U 758, S8U 780, S8U 782, 03/98->08/01)		4RV 008 188-201		•
Movano Combi (J9)	07/98->			
2.5 D (S8U 770, S8U 772, 07/98->09/00)		4RV 008 188-201		•
Movano Box (F9)	01/99->			
2.5 D (S8U 770, S8U 772, 01/99->09/00)		4RV 008 188-201		•
Movano Flatbed/Chassis (U9, E9)	07/98->			
2.5 D (S8U 770, S8U 772, 07/98->09/00)		4RV 008 188-201		•
Movano Dumptruck (H9)	01/99->			
2.5 D (S8U 770, S8U 772, 01/99->09/00)		4RV 008 188-201		•
Peugeot				
Partner Combispace (5F)	05/96->			
1.9 D (XUD9A, 06/96->)		4RV 008 188-301		•
1.9 D (DJY (XUD9A), 06/96->08/98)		4RV 008 188-321		•
Partner Box (5)	04/96->			
1.9 D (XUD9A, 06/96->)		4RV 008 188-301		•
1.9 D (DJY (XUD9A), 06/96->08/98)		4RV 008 188-321		•
Boxer Bus (230P)	03/94->04/02			
1.9 D (D9B (XUD9AU), 03/94->01/95)		4RV 008 188-271	for manuf. exhaust norm US-84	
1.9 D (XUD9D, 03/94->04/02)		4RV 008 188-301		•
2.5 D 4x4 (T9A (DJ5), 07/96->04/02); 2.5 D (T9A (DJ5), 08/94->04/02); 2.5 TD 4x4 (T8A (DJ5T), 07/96->04/02); 2.5 TD (T8A (DJ5T), 07/94->04/02)		4RV 008 188-321		•
Boxer Box (230L)	03/94->04/02			
1.9 D (D9B (XUD9AU), 03/94->01/95)		4RV 008 188-271	for manuf. exhaust norm US-84	
1.9 D (XU9D, 07/95->04/02)		4RV 008 188-301		•
2.5 D (T9A (DJ5), 03/94->04/02); 2.5 TD (T8A (DJ5T), 03/94->04/02)		4RV 008 188-321		•
Boxer Flatbed/Chassis (ZCT_)	03/94->04/02			
2.5 D (T9A (DJ5), 03/94->04/02); 2.5 TD (T8A (DJ5T), 03/94->04/02)		4RV 008 188-321		•
J5 Bus (280P)	09/81->09/90			
2.5 D (CRD93 (U25/661), 09/81->09/90)		4RV 008 188-081		
J5 Flatbed/Chassis (280L)	09/81->09/90			
2.5 D (CRD93 (U25/661), 09/81->09/90)		4RV 008 188-081		
J5 Bus (290P)	09/90->02/94			
1.9 D (D9B (XUD9A), 10/90->01/94); 2.5 D 4x4 (CRD93 (U25/661), 07/91->02/94); 2.5 D (CRD93 (U25/661), 07/91->02/94); 2.5 TD 4x4 (CRD93LS (U25/673), 07/91->02/94); 2.5 TD (CRD93LS (U25/673), 07/91->02/94); 2.5 D 4x4 (CRD93 (U25/661), 10/90->06/91); 2.5 D (CRD93 (U25/661), 10/90->06/91); 2.5 TD 4x4 (CRD93LS (U25/673), 10/90->06/91); 2.5 TD (CRD93LS (U25/673), 10/90->06/91)		4RV 008 188-091		
2.5 D 4x4 (CRD93 (U25/661), 10/90->06/91); 2.5 D (CRD93 (U25/661), 10/90->06/91); 2.5 TD 4x4 (CRD93LS (U25/673), 10/90->06/91); 2.5 TD (CRD93LS (U25/673), 10/90->06/91)		4RV 008 188-081		
J5 Box (290L)	09/90->03/94			
1.9 D (D9B (XUD9A), 10/90->01/94); 2.5 D 4x4 (CRD93 (U25/661), 07/91->03/94); 2.5 TD 4x4 (CRD93LS (U25/673), 07/91->03/94); 2.5 D 4x4 (CRD93 (U25/661), 10/90->06/91); 2.5 TD 4x4 (CRD93LS (U25/673), 10/90->06/91)		4RV 008 188-091		
2.5 D 4x4 (CRD93 (U25/661), 10/90->06/91); 2.5 TD 4x4 (CRD93LS (U25/673), 10/90->06/91)		4RV 008 188-081		
J5 Flatbed/Chassis (290L)	09/90->02/94			
1.9 D (D9B (XUD9A), 10/90->01/94); 2.5 D 4x4 (CRD93 (U25/661), 07/91->02/94); 2.5 D (CRD93 (U25/661), 07/91->02/94); 2.5 TD 4x4 (CRD93LS (U25/673), 07/91->02/94); 2.5 TD (CRD93LS (U25/673), 07/91->02/94)		4RV 008 188-091		
2.5 D 4x4 (CRD93 (U25/661), 07/91->02/94); 2.5 D (CRD93 (U25/661), 07/91->02/94); 2.5 TD 4x4 (CRD93LS (U25/673), 07/91->02/94); 2.5 TD (CRD93LS (U25/673), 07/91->02/94)		4RV 008 188-081		



Manufacturer Model Vehicle type	Model year	Part no.	Note	after- glow capable
Peugeot				
J5 Flatbed/Chassis (290L)	09/90->02/94			
2.5 D 4x4 (🚗 CRD93 (U25/661), 10/90->06/91); 2.5 D (🚗 CRD93 (U25/661), 10/90->06/91); 2.5 TD 4x4 (🚗 CRD93LS (U25/673), 10/90->06/91); 2.5 TD (🚗 CRD93LS (U25/673), 10/90->06/91)		4RV 008 188-081		
Renault				
Rapid Box (F40_, G40_)	07/85->11/98			
1.0 (🚗 F8Q 774, 02/86->05/92); 1.6 D (F404) (🚗 F8M 720, F8M 730, F8M 736, F8M 760, 03/86->08/98)		4RV 008 188-101		
Super 5 (B/C40_)	10/84->12/96			
1.6 D (B/C404) (🚗 F8M 720, F8M 730, 08/85->12/96)		4RV 008 188-101		
Super 5 Box (S40_)	10/84->12/96			
1.6 D (S404) (🚗 F8M 720, 10/84->12/96)		4RV 008 188-101		
21 Box (S48_)	06/86->08/94			
1.9 D (🚗 F8Q 710, 06/86->08/94)		4RV 008 188-101		
Trafic Bus (T5, T6, T7)	03/80->04/89			
2.1 D (🚗 852 750, 03/89->04/89)		4RV 008 188-101		
Trafic Box (T1, T3, T4)	03/80->04/89			
2.1 D 4x4 (🚗 852 750, 03/89->04/89); 2.1 D (🚗 852 750, 09/80->04/89)		4RV 008 188-101		
Trafic Flatbed/Chassis (P6)	03/80->04/89			
2.1 D (🚗 852 720, 03/89->04/89)		4RV 008 188-101		
2.5 D (🚗 S8U 720, S8U 722, 8140.61.240, 03/80->04/89)		4RV 008 188-201		●
Trafic Bus (TXW)	03/89->03/01			
2.1 D (🚗 852 720, 852 750, 05/89->06/94)		4RV 008 188-101		
2.5 D (🚗 S8U 750, S8U 752, S8U 758, 8140.67.2500, 8140.67.2550, 8140.67.2580, 05/89->03/01)		4RV 008 188-101		●
2.5 D 4x4 (🚗 S8U 750, S8U 752, S8U 758, 8140.67.2500, 8140.67.2550, 8140.67.2580, 08/89->03/01)		4RV 008 188-201		●
Trafic Box (TXX)	05/89->03/01			
2.1 D (🚗 852 750, 05/89->06/94); 2.5 D 4x4 (🚗 S8U 750, S8U 752, 8140.67.2500, 8140.67.2580, 05/89->03/01); 2.5 D (🚗 S8U 750, S8U 752, S8U 758, 8140.67.2500, 8140.67.2580, 8140.67.2550, 05/89->03/01)		4RV 008 188-101		
Trafic Flatbed/Chassis (PXX)	03/89->03/01			
2.1 D [RWD] (🚗 852 720, 05/89->06/94)		4RV 008 188-101		
2.5 D (🚗 S8U 720, S8U 722, 8140.61.240, 05/89->03/01)		4RV 008 188-201		●
Master I Bus (T__)	08/80->07/98			
28-35 2.1 D (🚗 J8S 330, 01/81->07/98); 28-35 2.4 D (🚗 8140.61.2300, S8U 731, 08/80->08/89)		4RV 008 188-101		
Master I Box (T__)	07/80->07/98			
28-35 2.5 D (🚗 S8U 742, 8140.67.2510, 08/89->07/98); 28-35 2.1 D (🚗 J8S 330, 01/81->07/98); 28-35 2.4 D (🚗 8140.61.2300, S8U 731, 08/80->08/89)		4RV 008 188-101		
Master I Flatbed/Chassis (P__)	07/80->07/98			
28-35 2.5 D (🚗 8140.61.2300, S8U 731, 09/80->07/98)		4RV 008 188-101		
Master II Bus (JD)	03/98->			
2.5 D (🚗 S8U 770, 07/98->01/01)		4RV 008 188-201		●
Master II Box (FD)	07/98->			
2.5 D (🚗 S8U 770, 07/98->01/01)		4RV 008 188-201		●
Master II Flatbed/Chassis (ED/HD/UD)	07/98->			
2.5 D (🚗 S8U 770, 07/98->01/01)		4RV 008 188-201		●
Vauxhall				
Arena Combi	01/97->08/01			
2.5 D (🚗 S8U 758, S8U 780, S8U 782, 03/98->08/01)		4RV 008 188-201		●
Arena Van	01/97->08/01			
2.5 D (🚗 S8U 758, S8U 780, S8U 782, 03/98->08/01)		4RV 008 188-201		●

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Manufacturer Model Vehicle type	Model year	Part no.	Note	after-glow capable
Vauxhall				
Movano Mk I (A) Combi (JD)	10/98->05/10			
2.5 D (S8U 770, 10/98->09/00)		4RV 008 188-201		•
Movano Mk I (A) Van (FD)	10/98->05/10			
2.5 D (S8U 770, 10/98->09/00)		4RV 008 188-201		•
Movano Mk I (A) Chassis/Cab (ED, UD, HD)	10/98->05/10			
2.5 D (S8U 770, 10/98->09/00)		4RV 008 188-201		•
Volkswagen				
Caddy I (14)	08/82->07/92			
1.6 D (JK, ME, 08/82->07/92)		4RV 008 188-171	up to chassis no. 1A-ZN000 342	•
		4RV 008 188-181	from chassis no. 1A-ZN000 343, Engine Code JK	•
LT 28-35 I Bus (281-363)	04/75->06/96			
2.4 D (ACT, 1S, 08/89->06/96); 2.4 TD (1G, 08/89->08/92);		4RV 008 188-171		•
2.4 TD (ACL, 09/92->06/96)		4RV 008 188-181	from chassis no. 28-L-000 001	•
2.4 D (CP, DW, 01/79->07/92)		4RV 008 188-171	Engine Code DW	•
		4RV 008 188-171	from chassis no. 28-B-000 001, Engine Code CP	•
		4RV 008 188-181	from chassis no. 28-L-000 001	•
2.4 TD (DV, 12/82->07/89)		4RV 008 188-171		•
LT 28-35 I Box (281-363)	04/75->06/96			
2.4 D (1S, ACT, 07/90->05/96); 2.4 TD Syncro (ACL, 08/92->04/96);		4RV 008 188-171		•
2.4 TD (1G, 08/88->08/92); 2.4 TD (ACL, 06/92->05/96);		4RV 008 188-181	from chassis no. 28-L-000 001	•
2.4 TD (DV, 02/86->08/92)		4RV 008 188-171	Engine Code DW	•
2.4 D (CP, DW, 01/79->07/92)		4RV 008 188-171	from chassis no. 28-B-000 001, Engine Code CP	•
		4RV 008 188-181	from chassis no. 28-L-000 001	•
LT 28-35 I Flatbed/Chassis (281-363)	04/75->06/96			
2.4 D (CP, DW, 12/78->02/91)		4RV 008 188-171	Engine Code DW	•
		4RV 008 188-171	from chassis no. 28-B-000 001, Engine Code CP	•
		4RV 008 188-181	from chassis no. 28-L-000 001	•
2.4 D Syncro (DW, 08/91->07/92); 2.4 D Syncro (1S, 08/91->07/92);		4RV 008 188-171		•
2.4 D (1S, ACT, 08/90->06/96); 2.4 TD Syncro (ACL, 08/92->04/96);		4RV 008 188-181	from chassis no. 28-L-000 001	•
2.4 TD Syncro (1G, 08/91->07/92); 2.4 TD Syncro (DV, 08/91->07/92);				
2.4 TD (ACL, 08/92->06/96); 2.4 TD (DV, 12/82->09/93);				
2.4 TD (1G, 08/90->08/92)				
LT 40-55 I Box (291-512)	04/75->06/96			
2.4 D (1S, ACT, 07/90->05/96); 2.4 TD Syncro (ACL, 08/92->04/96);		4RV 008 188-171		•
2.4 TD (1G, 08/88->08/92); 2.4 TD (DV, 02/86->08/92);		4RV 008 188-181	from chassis no. 28-L-000 001	•
2.4 TD (ACL, 06/92->05/96)		4RV 008 188-171	Engine Code DW	•
2.4 D (CP, DW, 01/79->07/92)		4RV 008 188-171	from chassis no. 28-B-000 001, Engine Code CP	•
		4RV 008 188-181	from chassis no. 28-L-000 001	•
2.4 TD 4WD (DV, 08/78->07/92)		4RV 008 188-171		•
LT 40-55 I Flatbed/Chassis (293-909)	04/75->06/96			
2.4 D (1S, ACT, 08/90->06/96); 2.4 TD Syncro (ACL, 08/92->04/96);		4RV 008 188-171		•
2.4 TD Syncro (1G, 08/91->07/92); 2.4 TD Syncro (DV, 08/91->07/92);		4RV 008 188-181	from chassis no. 28-L-000 001	•
2.4 TD (ACL, 08/92->06/96); 2.4 TD (DV, 12/82->09/93);				
2.4 TD (1G, 08/88->07/91)				
2.4 D (CP, DW, 12/78->02/91)		4RV 008 188-171	Engine Code DW	•
		4RV 008 188-171	from chassis no. 28-B-000 001, Engine Code CP	•
		4RV 008 188-181	from chassis no. 28-L-000 001	•
Transporter III Bus	05/79->07/92			
1.6 D (CS, 01/81->07/87); 1.6 TD Syncro (JX, 03/86->07/92);		4RV 008 188-171		•
1.6 TD (JX, 08/84->07/92); 1.7 D (KY, 10/86->07/92)				
Transporter III Box	05/79->12/92			
1.6 D (CS, 01/81->07/87); 1.6 TD Syncro (JX, 03/86->07/92);		4RV 008 188-171		•
1.6 TD (JX, 10/84->07/92); 1.7 D (KY, 08/85->07/87);				
1.7 D (KY, 07/89->07/92)				



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Manufacturer Model Vehicle type	Model year	Part no.	Note	after- glow capable
Volkswagen				
Transporter III Flatbed/Chassis		05/79->12/92		
1.6 D (1X CS, 01/81->07/87); 1.6 TD Syncro (1X JX, 03/86->07/92); 1.6 TD (1X JX, 10/84->07/92); 1.6 TDY (08/85->07/87); 1.7 D (1X KY, 07/89->07/92); 1.7 D (1X KY, 08/85->07/87)		4RV 008 188-171		●
Transporter IV Bus (70XB, 70XC, 7DB, 7DW)		09/90->04/03		
1.9 D (1X 1X, 09/90->12/95); 2.4 D (1X AAB, 09/90->04/98)		4RV 008 188-171 up to chassis no. 70-N-100 001		●
		4RV 008 188-181 from chassis no. 70-N-100 001		●
2.4 D (1X AJA, 08/97->04/03)		4RV 008 188-181 code 102		●
2.4 D Syncro (1X AAB, 10/92->09/98)		4RV 008 188-181 from chassis no. 70-N-100 001		●
Transporter IV Box (70XA)		07/90->04/03		
1.9 D (1X 1X, 07/90->12/95); 2.4 D (1X AAB, 07/90->04/98)		4RV 008 188-171 up to chassis no. 70-N-100 001		●
		4RV 008 188-181 from chassis no. 70-N-100 001		●
2.4 D (1X AJA, 08/97->04/03)		4RV 008 188-181 code 102		●
2.4 D Syncro (1X AAB, 10/92->09/98)		4RV 008 188-181 from chassis no. 70-N-100 001		●
Transporter IV Flatbed/Chassis (70XD)		07/90->04/03		
1.9 D (1X 1X, 07/90->12/95); 2.4 D (1X AAB, 09/90->04/98)		4RV 008 188-171 up to chassis no. 70-N-100 001		●
		4RV 008 188-181 from chassis no. 70-N-100 001		●
2.4 D (1X AJA, 08/97->04/03)		4RV 008 188-181 code 102		●
2.4 D Syncro (1X AAB, 10/92->09/98)		4RV 008 188-181 from chassis no. 70-N-100 001		●

Control units, Glow plug system



Part no.	Preheating time in sec. at +20 °C	Post-heating time		Temperature measurement		Features
		with	without	intern	extern	
4RV 008 188-001	< 9		o	o		with fault detection
4RV 008 188-021	< 9		o	o		with fault detection
4RV 008 188-031	< 9		o	o		with fault detection
4RV 008 188-041	< 9	o			o	with fault detection
4RV 008 188-051	< 9	o			o	with fault detection
4RV 008 188-061	< 9	o			o	with fault detection
4RV 008 188-071	< 9	o			o	with fault detection
4RV 008 188-081	< 14		o	o		
4RV 008 188-091	< 8		o	o		
4RV 008 188-101	< 9		o	o		
4RV 008 188-111	< 7	o		o		
4RV 008 188-161	< 8		o	o		
4RV 008 188-171	< 8	o			o	
4RV 008 188-181	< 7	o			o	
4RV 008 188-191	< 9		o		o	
4RV 008 188-201	< 13	o				
4RV 008 188-211	< 8	o		o		
4RV 008 188-221	< 6	o		o		
4RV 008 188-271	< 10		o	o		
4RV 008 188-281	< 7	o		o		with post-heating interruption, clocked post-heating time
4RV 008 188-291	< 9	o			o	
4RV 008 188-301	< 8	o			o	
4RV 008 188-321	< 8	o			o	with post-heating interruption
4RV 008 188-331	< 12	o			o	
4RV 008 188-371	< 7	o		o		

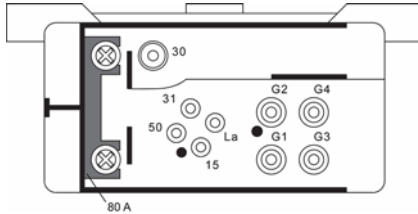
Connecting- and clamping descriptions

Terminal		Description
15		Ignition plus
30	B +	Battery plus
31		ground
50		Starter control
85	31	Output (earth)
86	15	Winding start
87		Relay contact in the case of normally closed and change-over / input
G1	G1 - G6	Output for glow plugs
T		Time



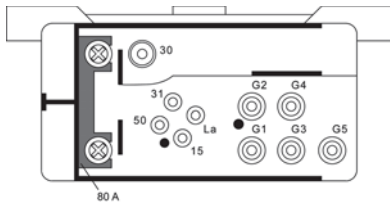
Control units, Glow plug system

1



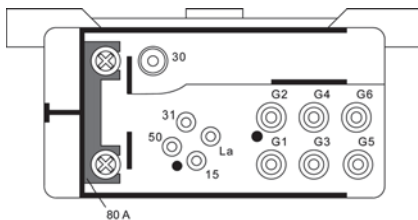
Mercedes-Benz
10-pole, preheating time at +20°C / < 9 sec

Part no.	Pk.	
4RV 008 188-001	1	Control unit, glow plug system, 12V



Mercedes-Benz
11-pole, preheating time at +20°C / < 9 sec

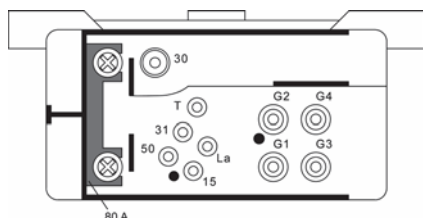
Part no.	Pk.	
4RV 008 188-021	1	Control unit, glow plug system, 12V



Mercedes-Benz
12-pole, preheating time at +20°C / < 9 sec

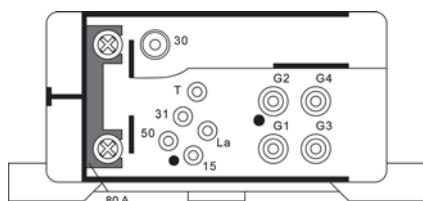
Part no.	Pk.	
4RV 008 188-031	1	Control unit, glow plug system, 12V

Control units, Glow plug system



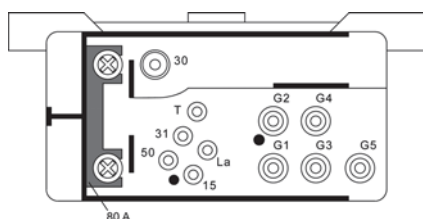
Mercedes-Benz
10-pole, after-glow capable, preheating time at +20°C / < 9 sec

Part no.	Pk.	
4RV 008 188-041	1	Control unit, glow plug system, 12V



Mercedes-Benz
10-pole, after-glow capable, preheating time at +20°C / < 9 sec

Part no.	Pk.	
4RV 008 188-051	1	Control unit, glow plug system, 12V



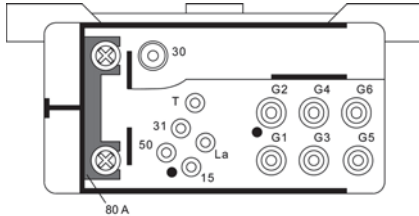
Mercedes-Benz
11-pole, after-glow capable, preheating time at +20°C / < 9 sec

Part no.	Pk.	
4RV 008 188-061	1	Control unit, glow plug system, 12V



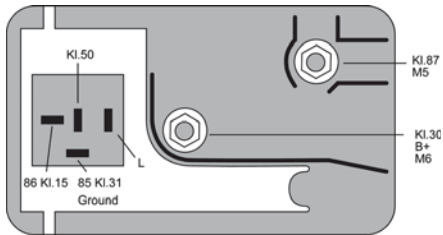
Control units, Glow plug system

1



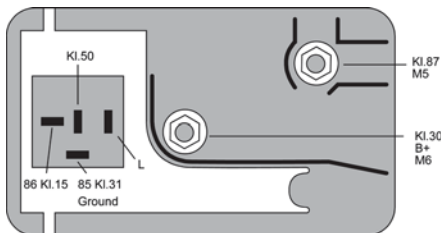
Mercedes-Benz, Puch
12-pole, after-glow capable, preheating time at +20°C / < 9 sec

Part no.	Pk.	
4RV 008 188-071	1	Control unit, glow plug system, 12V



Citroën, Peugeot, Renault
6-pole, preheating time at +20°C / < 14 sec

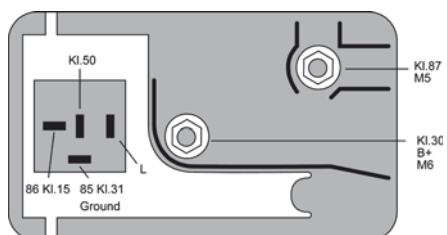
Part no.	Pk.	
4RV 008 188-081	1	Control unit, glow plug system, 12V



Citroën, Fiat, Peugeot, Renault, Seat, Talbot
6-pole, preheating time at +20°C / < 8 sec

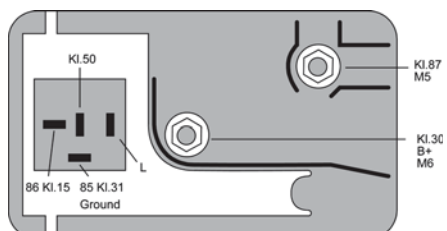
Part no.	Pk.	
4RV 008 188-091	1	Control unit, glow plug system, 12V

Control units, Glow plug system



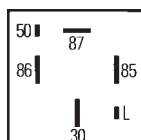
Alfa Romeo, Renault
6-pole, preheating time at +20°C / < 8 sec

Part no.	Pk.	
4RV 008 188-101	1	Control unit, glow plug system, 12V



Fiat
6-pole, after-glow capable, preheating time at +20°C / < 7 sec

Part no.	Pk.	
4RV 008 188-111	1	Control unit, glow plug system, 12V

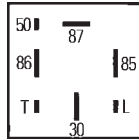


Ford, Opel, Vauxhall
6-pole, preheating time at +20°C / < 8 sec

Part no.	Pk.	
4RV 008 188-161	1	Control unit, glow plug system, 12V



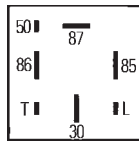
Audi, Volkswagen
7-pole, after-glow capable, preheating time at +20°C / < 8 sec



Part no.	Pk.	
4RV 008 188-171	1	Control unit, glow plug system, 12V



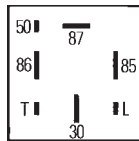
Audi, Seat, Volkswagen
7-pole, after-glow capable, preheating time at +20°C / < 7 sec



Part no.	Pk.	
4RV 008 188-181	1	Control unit, glow plug system, 12V



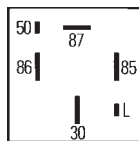
Volkswagen
7-pole, preheating time at +20°C / < 9 sec



Part no.	Pk.	
4RV 008 188-191	1	Control unit, glow plug system, 12V



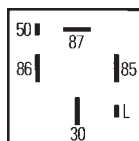
Opel, Renault, Vauxhall
6-pole, after-glow capable, preheating time at +20°C / < 13 sec



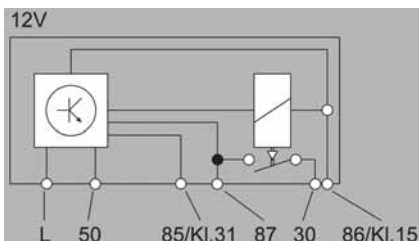
Part no.	Pk.	
4RV 008 188-201	1	Control unit, glow plug system, 12V



Ford
6-pole, after-glow capable, preheating time at +20°C / < 8 sec

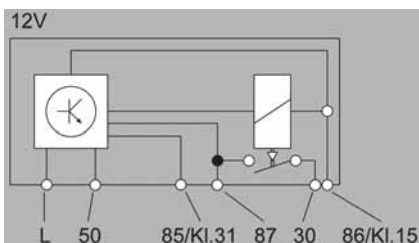


Part no.	Pk.	
4RV 008 188-211	1	Control unit, glow plug system, 12V



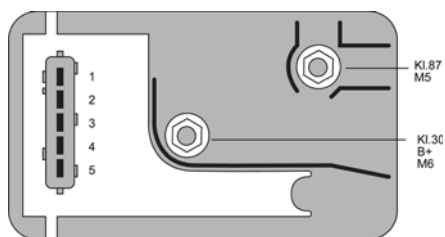
Ford
6-pole, after-glow capable, preheating time at +20°C / < 6 sec.

Part no.	Pk.	
4RV 008 188-221	1	Control unit, glow plug system, 12V



Citroën, Peugeot
7-pole, preheating time at +20°C / < 10 sec

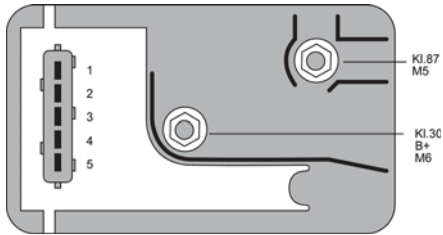
Part no.	Pk.	
4RV 008 188-271	1	Control unit, glow plug system, 12V



Citroën, Fiat, Peugeot
7-pole, after-glow capable, preheating time at +20°C / < 7 sec; Terminal S = postheating cut-out

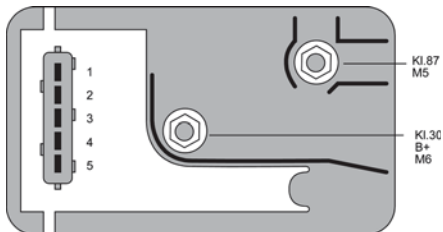
Part no.	Pk.	
4RV 008 188-281	1	Control unit, glow plug system, 12V

Citroën, Fiat
6-pole, after-glow capable, preheating time at +20°C / < 9 sec



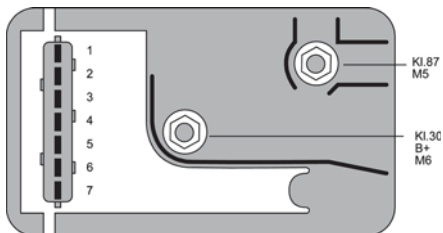
Part no.	Pk.	
4RV 008 188-291	1	Control unit, glow plug system, 12V

Citroën, Fiat, Peugeot
6-pole, after-glow capable, preheating time at +20°C / < 8 sec



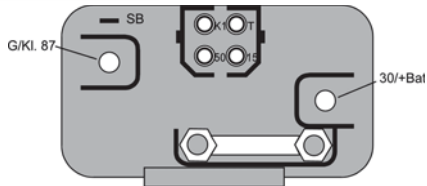
Part no.	Pk.	
4RV 008 188-301	1	Control unit, glow plug system, 12V

Citroën, Peugeot
9-pole, after-glow capable, preheating time at +20°C / < 8 sec;
Terminal S = postheating cut-out



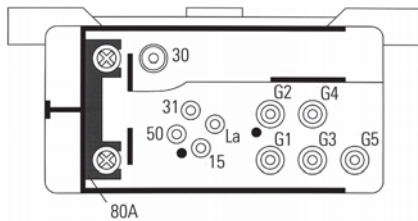
Part no.	Pk.	
4RV 008 188-321	1	Control unit, glow plug system, 12V

Control units, Glow plug system



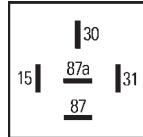
Volvo
6-pole, after-glow capable, preheating time at +20°C / < 12 sec

Part no.	Pk.	
4RV 008 188-331	1	Control unit, glow plug system, 12V



Mercedes-Benz, Ssangyong
10-pole, after-glow capable, preheating time at +20°C / < 7 sec

Part no.	Pk.	
4RV 008 188-371	1	Control unit, glow plug system, 12V



Time control units

For a wide range of technical applications it is necessary to switch loads on or off after a delay.

Applications for time control units with release delay:

- Headlamp cleaning
- Rear window heating
- Fan blower overrun
- Timer etc.

Applications for time control units with response delay:

- Air conditioning compressor
- Motor switch-on delay
- Bus doors etc.

Delay can be set manually.

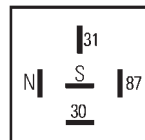
Delay time: 0 - 900 sec.

Holder included in the scope of supply.

Type approval according to directive 95/54/EG (e1).

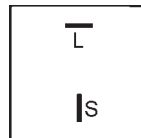
Temperature resistance: -25 °C to +80 °C.

Part no.	Pk.	
5HE 996 152-131	1	Time control unit, 12V, 5-pole, release delay
5HE 996 152-141	1	24V, 5-pole, release delay
5HE 996 152-151	1	12V, 5-pole, response delay
5HE 996 152-161	1	24V, 5-pole, response delay
5HE 996 152-127	200	24V, 5-pole, response delay, delay time: 0.9 sec.
5HE 996 152-177	200	24V, 5-pole, response delay, delay time: 5 sec +/- 0.5 sec



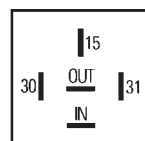
Time control unit-cut off

Part no.	Pk.	
5HE 006 207-027	100	Time control unit, 12V, 5-pole



Time control unit-oil-pressure warning

Part no.	Pk.	
5HE 003 724-027	250	Time control unit, 12V, 2-pole



LED-Indicator-control unit

Only for use with HELLA LED-indicators.

Part no.	Pk.	
5DS 009 602-001	1	LED-Indicator-control unit, 24V, 5-pole

Light switch modules

Mercedes-Benz
CLK 200 - CLK 430 (CLK-series, C 208) 06/97->
E 200 - E 430 (E-series, W 210) 06/95->



Part no.	Pk.	
6ME 007 329-231	1	Light switch modules, European version
6ME 007 329-251	1	With daytime running light, for Scandinavia



Application chart for cars

1.74-1.77

Application chart for light commercial vehicles

1.78

Product descriptions

1.79-1.81



Headlight levelling actuators

Audi - Opel



Manufacturer Model	Model year	Part no.	Pk.	Manufacturer Model	Model year	Part no.	Pk.
Audi				Audi			
A2 (8Z0)	02/00->	6NM 007 878-041	1	A8 (D2)	99 ->03	6NM 007 878-531 for xenon headlight	1
A3 (8L1)	09/96->08/00	6NM 007 878-531	1	from chassis no. 4D-X-005 001			
A3 (8L1)	09/00->05/03	6NM 007 878-541	1	Convertible (B4)	05/91 ->08/00	6NM 007 282-211	1
A3 (8P1), A3 Sportback (8PA)	07/08->	6NM 008 830-601 for halogen headlight	1	Coupé (89, 8B)	09/91 ->12/96	6NM 007 282-211	1
A3 Convertible (8P7)	04/08->			Q7	03/06 ->	6NM 007 878-041 for halogen headlight	1
A4, S4, quattro (8D2, B5)	99->11/00	6NM 007 878-041 for halogen headlight	1	80 (8C, B4)	09/91 ->01/96	6NM 007 282-211	1
from chassis no. 8D-X-200 001				100 (4A, C4)	12/90 ->06/94	6NM 007 282-211	1
A4, S4, quattro (8D2, B5)	99->11/00	6NM 007 878-041 for xenon headlight	1	BMW			
Chassis no. 8D-X-200 001 -> 8D-1-200 000				3 (E36)	09/90 ->08/00	6NM 004 375-311	1
A4 Avant, S4, quattro (8D5, B5)	99->09/01	6NM 007 878-041 for halogen headlight	1	5 (E34)	09/88 ->01/97	6NM 004 375-311	1
from chassis no. 8D-X-200 001				7 (E32)	09/88 ->09/94	6NM 004 375-311	1
A4 Avant, S4, quattro (8D5, B5)	99->09/01	6NM 007 878-041 for xenon headlight	1	Chrysler			
Chassis no. 8D-X-200 001 -> 8D-1-200 000				PT Cruiser	06/00 ->	6NM 007 878-351	1
A4, S4, quattro (8E2, B6)	11/00->05	6NM 007 878-041 for halogen headlight	1	Fiat			
up to chassis no. 8E-5-400 000				Punto (176)	09/93 ->09/99	6NM 007 282-661	1
A4 Avant, S4, quattro (8E5, B6)	09/01->05	6NM 007 878-041 for halogen headlight	1	Opel			
up to chassis no. 8E-5-400 000				Astra G	02/98 ->12/09	6NM 007 878-351	1
A6 (4A, C4)	06/94->12/97	6NM 007 282-211	1	Astra H	03/04 ->	6NM 008 830-601 for halogen headlight	1
A6 (4B, C5)	01/97->05/01	6NM 007 878-531	1	Insignia	07/08 ->	6NM 008 830-601 for halogen headlight	1
(-) 8-Zyl., (-) Allroad				Omega B	03/94 ->07/03	6NM 007 282-641 for halogen headlight	1
A6 (4B, C5) (-) Allroad	05/01->03	6NM 007 878-521 for halogen headlight	1	Signum	05/03 ->	6NM 008 830-601 for halogen headlight	1
A6 (4F2, 4F5, C6)	05/04->08/11	6NM 008 830-601 for halogen headlight	1				
A6 Allroad (4FH, C6)	05/06->	6NM 008 830-601 for halogen headlight	1				



Headlight levelling actuators

Opel - Seat



1

Manufacturer Model	Model year	Part no.	Pk.	Manufacturer Model	Model year	Part no.	Pk.
Opel				Renault			
Vectra C	04/02->	6NM 008 830-601 for halogen headlight	1	Safrane I (B64_)	04/92 ->07/96	6NM 007 878-501 for halogen headlight	1
Porsche				Safrane II (B64_)	07/96 ->12/00	6NM 007 878-501 for halogen headlight	1
Cayenne (955)	09/02->	6NM 008 830-601 for halogen headlight	1	Scénic (JA0/1_)	09/99 ->	6NM 007 878-501	1
Renault				Scénic II (JM0/1_)	06/03 ->11/04	6NM 007 878-501 for halogen headlight	1
Avantime (DE0)	09/01->05/03	6NM 007 878-501 for halogen headlight	1	Scénic II (JM0/1_)	11/04 ->07/06	6NM 007 878-561 for halogen headlight	1
Clio II (B/C/B0/1_)	09/98->11/04	6NM 007 878-501	1	Thalia	08/00 ->11/04	6NM 007 878-501	1
Clio II (B/C/B0/1_)	11/04->	6NM 007 878-561	1	Thalia	11/04 ->	6NM 007 878-561	1
Espace III (JE_)	11/96->10/02	6NM 007 878-501 for halogen headlight	1	Twingo (C06_)	03/93 ->11/04	6NM 007 878-501	1
Espace IV (JK0_)	11/02->11/04	6NM 007 878-501 for halogen headlight	1	Twingo (C06_)	11/04 ->	6NM 007 878-561	1
Espace IV (JK0_)	11/04->04/06	6NM 007 878-561 for halogen headlight	1	Vel Satis (BJ0)	06/02 ->11/04	6NM 007 878-501 for halogen headlight	1
Grand Scénic	04/04->11/04	6NM 007 878-501 for halogen headlight	1	Vel Satis (BJ0)	11/04 ->	6NM 007 878-561 for halogen headlight	1
Grand Scénic	11/04->07/06	6NM 007 878-501 for halogen headlight	1	19 II Hatchback 16V (B/C53_)	04/92 ->12/95	6NM 007 878-501	1
Kangoo (FC0/1_, KC0/1_)	03/98->11/04	6NM 007 878-501	1	19 II Chamade 16V (L53_)	04/92 ->12/95		
Kangoo (FC0/1_, KC0/1_)	11/04->01/08	6NM 007 878-561	1	19 II Convertible 16V (D53_, 853_)	04/92 ->06/96		
Laguna (B56_, 556_, K56_)	05/98->03/01	6NM 007 878-501	1	Seat			
Laguna II (BG0/1_, KG0/1_)	03/01->11/04	6NM 007 878-501 for halogen headlight	1	Arosa (6H)	05/97 ->06/04	6NM 007 878-041 for halogen headlight	1
Laguna II (BG0/1_, KG0/1_)	11/04->	6NM 007 878-561 for halogen headlight	1	Cordoba (6K2)	06/99 ->10/02	6NM 007 878-041	1
Mégane Hatchback (BA0/1_)	01/96->	6NM 007 878-501	1	from chassis no. 6K-X-400 000			
Mégane Convertible (EA0/1_)	10/96->			Cordoba Vario (6K5)	06/99 ->12/02	6NM 007 878-041	1
Mégane Coach (DA0/1_)	03/96->			from chassis no. 6K-X-400 000			
Mégane Classic (LA0/1_)	09/96->						
Mégane Scenic (JA0/1_)	01/97->09/99						



Headlight levelling actuators

Seat - Volkswagen



Manufacturer Model	Model year	Part no.	Pk.	Manufacturer Model	Model year	Part no.	Pk.
Seat				Vauxhall			
Cordoba (6L2)	10/02->	6NM 007 878-041 for halogen headlight	1	Omega (B)	12/93 ->03/04	6NM 007 282-641 for halogen headlight	1
Ibiza III (6K1) from chassis no. 6K-X-400 000	08/99->02/02	6NM 007 878-041	1	Signum	04/02 ->	6NM 008 830-601 for halogen headlight	1
Ibiza IV (6L1)	02/02->	6NM 007 878-041 for halogen headlight	1	Vectra Mk II	04/02 ->	6NM 008 830-601 for halogen headlight	1
Leon (1M1)	11/99->04	6NM 007 878-041	1	Volkswagen			
Toledo II (1M2)	04/99->	6NM 007 878-041	1	Bora (1J2, 1J6)	10/98 ->07/05	6NM 007 878-041	1
Skoda				Golf III (1H1, 1H5, 1E7)	08/91 ->04/99	6NM 007 282-211	1
Fabia (6Y)	08/99->03/08	6NM 007 878-521	1	Golf III Convertible (1E7)	07/93 ->05/98	6NM 007 282-211	1
Fabia II up to chassis no. 5J-A...	12/06->03/10	6NM 008 830-601	1	Golf III Convertible (1E7)	06/98 ->06/02	6NM 007 878-041	1
Octavia (1U2/1U5) from chassis no. 1U-Y-375 001	01/00->08/00	6NM 007 878-531	1	Golf IV (1J1, 1J5)	08/97 ->06/06	6NM 007 878-041 for H7/H1 headlight	1
Praktik	03/07->03/10	6NM 008 830-601	1	Golf V (1K1) Golf V Estate (1K5)	10/03 ->02/09 06/07 ->	6NM 008 830-601 for halogen headlight	1
Roomster (5J) up to chassis no. 5J-A...	05/06->03/10	6NM 008 830-601	1	Golf VI (5K1) Golf VI Estate (AJ5) Golf VI Convertible (517)	10/08 -> 07/09 -> 03/11 ->	6NM 008 830-601 for halogen headlight	1
Superb (3U4)	02/02->03/08	6NM 007 878-041 for halogen headlight	1	Golf Plus (5M1, 521) up to chassis no. 1K-9-899 999	01/05 ->02/09	6NM 008 830-601 for halogen headlight	1
Superb (3T4, 3T5)	03/08->	6NM 008 830-601 for halogen headlight	1	Jetta III (1K2)	08/05 ->10/10	6NM 008 830-601 for halogen headlight	1
Vauxhall				Lupo (6X1, 6E1)	09/98 ->07/05	6NM 007 878-041 for xenon headlight	1
Astra Mk IV (G)	02/98->05/05	6NM 007 878-351	1	Passat (3A2, 3A5, 351)	08/91 ->05/97	6NM 007 282-211	1
Astra Mk V (H)	01/04->11/10	6NM 008 830-601 for halogen headlight	1	Passat (3B2, 3B5)	08/96 ->11/00	6NM 007 282-211 for halogen headlight	1
Astravan Mk IV (G)	08/98->08/06	6NM 007 878-351	1	Passat (3B2, 3B5)	08/96 ->11/00	6NM 007 282-631 for xenon headlight	1
Astravan Mk V (H)	03/05->	6NM 008 830-601 for halogen headlight	1	Insignia	07/08->	6NM 008 830-601 for halogen headlight	1
chassis no. 3B-V-000 001 -> 3B-Y-000 000							



Headlight levelling actuators

Volkswagen - Volvo



1

Manufacturer Model	Model year	Part no.	Pk.
Volkswagen			
Passat (3B3, 3B6)	11/00->05/05	6NM 007 878-041 for FF®-H7 headlight	1
Polo III (6N2) chassis no. 6N-Y-500 001 -> 6N-2-010 000	10/99->10/01	6NM 007 878-041	1
Polo IV (9N2)	11/05->06/09	6NM 008 830-601	1
Tiguan (5N_) up to chassis no. 5N-B-600000	09/07->05/11	6NM 008 830-601 for halogen headlight	1
Touareg (7LA, 7L6, 7L7) Chassis no. 7L6***	12/06->05/10	6NM 008 830-601 for halogen headlight	1
Transporter (T4) California, Caravelle, Multivan chassis no. 70-T-200 001 -> 70-1-048 000	01/96->01	6NM 007 282-211	1
Vento (1H2)	11/91->09/98	6NM 007 282-211	1
Volvo			
S40 (VS) V40 (VW)	07/95->12/03 07/95->	6NM 007 282-651 for single headlight	1



Headlight levelling actuators

Mercedes-Benz - Volkswagen



Manufacturer Model	Model year	Part no.	Pk.
Mercedes-Benz			
Sprinter (906)	06/06->	6NM 008 830-601	1
Nissan			
Primastar (X83)	09/02->07/06	6NM 007 878-501	1
Opel			
Vivaro (E7/F7/J7)	08/01->07/06	6NM 007 878-501	1
Renault			
Master II (ED/FD/HD/JD/ND/UD)	07/98->10/03	6NM 007 878-501	1
Mastermaxi (FH/HH/UH)	04/98->11/04	6NM 007 878-501	1
Mastermaxi (FH/HH/UH)	11/04->	6NM 007 878-561	1
Trafic (JL/EL/FL)	03/01->11/04	6NM 007 878-501	1
Trafic (JL/EL/FL)	11/04->07/06	6NM 007 878-561	1
Vauxhall			
Vivaro (E7/F7/J7)	08/01->07/06	6NM 007 878-501	1
Volkswagen			
Crafter	04/06->	6NM 008 830-601	1
Transporter (T4) California, Caravelle, Multivan	01/96->01	6NM 007 282-211	1
chassis no. 70-T-200 001 -> 70-1-048 000			


BMW

Part no.	Pk.	
6NM 004 375-311	1	Headlight levelling actuator, 12V


Audi, Volkswagen

Part no.	Pk.	
6NM 007 282-211	1	Headlight levelling actuator, 12V


Volkswagen

Part no.	Pk.	
6NM 007 282-631	1	Headlight levelling actuator, 12V


Opel, Vauxhall

Part no.	Pk.	
6NM 007 282-641	1	Headlight levelling actuator, 12V


Opel, Vauxhall

Part no.	Pk.	
6NM 007 282-651	1	Headlight levelling actuator, 12V


Fiat

Part no.	Pk.	
6NM 007 282-661	1	Headlight levelling actuator, 12V


Audi, Seat, Skoda, Volkswagen

Part no.	Pk.	
6NM 007 878-041	1	Headlight levelling actuator, 12V


Chrysler, Opel, Vauxhall

Part no.	Pk.	
6NM 007 878-351	1	Headlight levelling actuator, 12V

Headlight levelling actuators



Nissan, Opel, Renault, Vauxhall

Part no.	Pk.	
6NM 007 878-501	1	Headlight levelling actuator, 12V



Audi, Skoda

Part no.	Pk.	
6NM 007 878-521	1	Headlight levelling actuator, 12V



Audi, Skoda

Part no.	Pk.	
6NM 007 878-531	1	Headlight levelling actuator, 12V



Audi

Part no.	Pk.	
6NM 007 878-541	1	Headlight levelling actuator, 12V



Renault

Part no.	Pk.	
6NM 007 878-561	1	Headlight levelling actuator, 12V



Mercedes-Benz, VW

Part no.	Pk.	
6NM 007 281-004	1	Headlight levelling actuator, 12V



Audi, Mercedes Benz, Opel, Porsche, Skoda, Vauxhall, VW

Part no.	Pk.	
6NM 008 630-601	1	Headlight levelling actuator, 12V



Part no.	Pk.	
6NM 008 299-501	1	Headlight levelling actuator, 24V



<p>Relays Product descriptions</p>	<p>2.02-2.19</p>
<p>Relays, Wiping interval Application chart for cars Application chart for light commercial vehicles Application chart for commercial vehicles Product descriptions</p>	<p>2.20-2.21 2.22 2.23 2.24-2.27</p>
<p>Relays, Headlight cleaning Product descriptions</p>	<p>2.28</p>
<p>Relays, Fuel pump Contents Application chart for cars Product descriptions</p>	<p>2.29 2.30-2.36 2.37</p>
Empty section	

Climatic and mechanical tests

Vibration test:	DIN IEC 600 68-2-6 (sinusoidal) 20-200 Hz, 5g
Shock test:	DIN IEC 600 68-2-27 (half-sine) min. 10g
Corrosion test:	DIN IEC 600 68-2-42; 10 ± 2 cm ³ /m ³ SO ₂ , 10 days
	DIN IEC 600 68-2-42; 11 ± 0.3 cm ³ /m ³ H ₂ S, 10 days
Damp heat test, cyclic:	DIN IEC 600 68-2-30; Db, version 1; 6 cycles, upper temperature +55 °C
Damp heat test, constant:	DIN EN 600 68-2-78, test: cab; upper temperature: +55 °C, 93% rF, approx. 56 days
Temperature-change test:	DIN EN ISO 600 68-2-14, test: Nb; -40 °C / +85 °C (5 °C per minute), 10 cycles
Condensation-water test:	EN ISO 6988, 6 cycles; storage 8/16 h
Type of protection:	IP 54 DIN EN 60 529

Connecting and clamping description

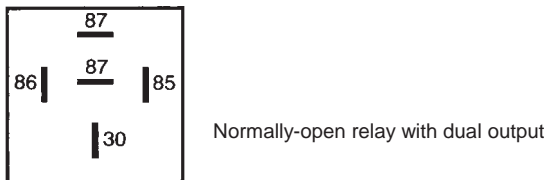
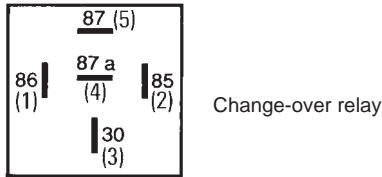
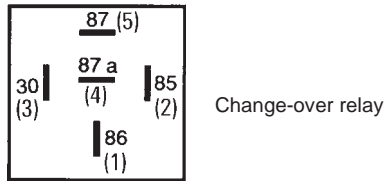
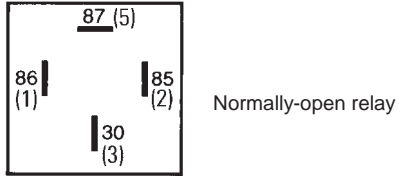
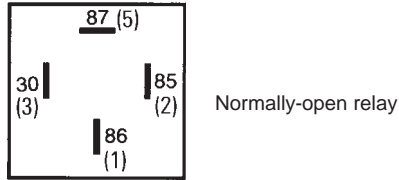
Standard	ISO 7588	Description
86	1	Coil trigger (+)
85	2	Coil trigger (-), Ground
30	3	Battery (+)
87a	4	Output 2
87	5	Output 1

	Mini-relay 12V		24V		Power mini-relay 12V		24V
	4RA 003 530-...	4R. 965 400-...	4RA 003 530-...	4R. 965 400-...	4RA 007 793-...	4RA 933 321-...	
General data							
Test voltage	13.5V	13.5V	27V	27V	13.5V	27V	
Test temperature	+23 ±5 °C	+23 ±5 °C	+23 ±5 °C	+23 ±5 °C	+23 ±5 °C	+23 ±5 °C	
Permissible ambient temperature	-40 °C to +125 °C	-40 °C to +85 °C	-40 °C to +125 °C	-40 °C to +85 °C	-40 °C to +125 °C	-40 °C to +125 °C	
Storage temperature	-40 °C to +130 °C	-40 °C to +125 °C	-40 °C to +130 °C	-40 °C to +125 °C	-40 °C to +130 °C	-40 °C to +130 °C	
Blade terminal (ISO 8092)							
30	6.3 x 0.8 mm	6.3 x 0.8 mm	6.3 x 0.8 mm	6.3 x 0.8 mm	9,5 x 1,2 mm	9,5 x 1,2 mm	
85	6.3 x 0.8 mm	6.3 x 0.8 mm	6.3 x 0.8 mm	6.3 x 0.8 mm	6,3 x 0,8 mm	6,3 x 0,8 mm	
86	6.3 x 0.8 mm	6.3 x 0.8 mm	6.3 x 0.8 mm	6.3 x 0.8 mm	9,5 x 1,2 mm	9,5 x 1,2 mm	
87	6.3 x 0.8 mm	6.3 x 0.8 mm	6.3 x 0.8 mm	6.3 x 0.8 mm	6,3 x 0,8 mm	9,5 x 1,2 mm	
87a	6.3 x 0.8 mm	6.3 x 0.8 mm	6.3 x 0.8 mm	6.3 x 0.8 mm	-	-	
Coil data							
Rated voltage	12V	12V	24V	24V	12V	24V	
Operating voltage at permissible ambient temperature	8V to 16V	8V to 16V	16V to 30V	16V to 30V	8V to 16V	16V to 30V	
Response voltage at test temperature	< 8V	< 8V	< 17V	< 15.6V	< 8V	< 14,4V	
Release voltage at test temperature	> 1V	> 1V	> 3.5V	> 3.5V	> 1.3V	> 2,4V	
Coil resistance at test temperature without parallel component	85 / 100 Ohm ± 10%	85 / 90 Ohm ± 10%	305 / 315 Ohm ± 10%	350 / 360 Ohm ± 10%	100 Ohm ± 10%	360 Ohm ± 10%	
Response time	< 10 ms	< 10 ms	< 10 ms	< 10 ms	< 10 ms	< 10 ms	
Release time	< 10 ms	< 15 ms	< 10 ms	< 15 ms	< 10 ms	< 7 ms	
Insulation resistance Coil circuit/Load circuit	> 100 MOhm	> 100 MOhm	> 100 MOhm	> 100 MOhm	> 100 MOhm	> 100 MOhm	
Dielectric strength Coil circuit/Load circuit	> 1000 VDC	> 1000 VDC	> 1000 VDC	> 1000 VDC	> 1000 VDC	> 500 VDC	
Contact data							
Contact-voltage drop at test voltage in new condition: normally open contact	< 10 mV/A	< 10 mV/A	< 10 mV/A	< 15 mV/A	< 5 mV/A	< 5 mV/A	
in new condition: normally-closed contact	< 10 mV/A	< 10 mV/A	< 10 mV/A	< 15 mV/A	-	-	
following service-life test: normally-open contact	< 10 mV/A	< 10 mV/A	< 10 mV/A	< 15 mV/A	< 10 mV/A	< 25 mV/A	
following service-life test: normally-closed contact	< 10 mV/A	< 15 mV/A	< 15 mV/A	< 20 mV/A	-	-	
Mechanical service life	10 ⁷	10 ⁷	10 ⁷	10 ⁷	10 ⁷	10 ⁷	

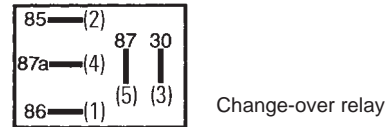
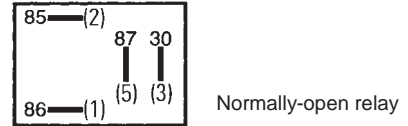
	Heavy-duty relays,		Micro-relays,		
	12V 4RA 003 437-...	24V 4RA 003 437-...	12V 4RA 007 813-... 4RD 007 814-... 4RD 933 319-...	12V 4RC 933 364-...	24V 4RD 933 319-...
General data					
Test voltage	13.5V	27V	13.5V	13.5V	27V
Test temperature	+23 ±5 °C	+23 ±5 °C	+23 ±5 °C	+23 ±5 °C	+23 ±5 °C
Permissible ambient temperature	-40 °C to +125 °C	40 °C to +85 °C	-40 °C to +125 °C	-40 °C to +105 °C	-40 °C to +125 °C
Storage temperature	-40 °C to +125 °C	-40 °C to +125 °C	-40 °C to +130 °C	-40 °C to +125 °C	-40 °C to +85 °C
Blade terminal (ISO 8092)					
30	9.5 x 1.2 mm	9.5 x 1.2 mm	6.3 x 0.8 mm	6.3 x 0.8 mm	6,3 x 0,8 mm
85	6.3 x 0.8 mm	6.3 x 0.8 mm	4.8 x 0.8 mm	4.8 x 0.8 mm	4,8 x 0,8 mm
86	6.3 x 0.8 mm	6.3 x 0.8 mm	4.8 x 0.8 mm	4.8 x 0.8 mm	4,8 x 0,8 mm
87	9.5 x 1.2 mm	9.5 x 1.2 mm	6.3 x 0.8 mm	6.3 x 0.8 mm	6,3 x 0,8 mm
87a	-	-	4.8 x 0.8 mm	4.8 x 0.8 mm	-
Coil data					
Rated voltage	12V	24V	12V	12V	24V
Release voltage at test temperature	8V to 16V	16V to 30V	8V to 16V	8V to 16V	16V to 30V
Response voltage at test temperature	< 7.5V	< 17V	< 8V	< 6V	< 14,4V
Release voltage at test temperature	> 1V	> 5V	> 1V	> 6V	> 2,4V
Coil resistance at test temperature without parallel component	85 Ohm ± 10%	310 Ohm ± 10%	92 Ohm ± 10%	2x75 Ohm ± 10%	360 Ohm ± 10%
Response time	< 10 ms	< 10 ms	< 10 ms	< 5 ms	< 10 ms
Release time	< 10 ms	< 15 ms	< 10 ms	< 5 ms	< 10 ms
Insulation resistance Coil circuit/Load circuit	> 100 MOhm	> 100 MOhm	> 100 MOhm	> 100 MOhm	> 100 MOhm
Dielectric strength Coil circuit/Load circuit	> 1000 VDC	> 1000 VDC	> 1000 VDC	> 800 VDC	> 500 VDC
Contact data					
Contact-voltage drop at test voltage in new condition: normally open contact	< 3 mV/A	< 3 mV/A	< 10 mV/A	< 5 mV/A	< 10 mV/A
in new condition: normally-closed contact	-	-	< 10 mV/A	-	< 10 mV/A
following service-life test: normally-open contact	< 10 mV/A	< 10 mV/A	< 10 mV/A	< 10 mV/A	< 25 mV/A
following service-life test: normally-closed contact	-	-	< 10 mV/A	-	< 25 mV/A
Mechanical service life	10 ⁷	10 ⁷	10 ⁷	10 ⁷	10 ⁷

	Solid-state relays, 12V 4RA 007 865-... 4RA 931 773-...	Battery disconnect relay, 12V 4RC 011 152-...			
General data					
Test voltage	13.5V	13.5V			
Test temperature	+23 ±5 °C	+23 ±5 °C			
Permissible ambient temperature	-40 °C to +125 °C	30 °C...+85 °C			
Storage temperature	-40 °C...+150 °C	-30 °C...+85 °C			
Blade terminal (ISO 8092)					
30	6.3 x 0.8 mm	2- / 4-pole AMP, M8 / M10			
85	6.3 x 0.8 mm				
86	6.3 x 0.8 mm				
87	6.3 x 0.8 mm				
87a	-				
Coil data					
Rated voltage	12V	12V			
Release voltage at test temperature	8V to 16V	8V to 16V			
Response voltage at test temperature	< 9V	< 6,5V			
Release voltage at test temperature	> 12,5V	> 3V			
Coil resistance at test temperature without parallel component	-	1x 2,4 / 2x 4,3 Ohm ± 10%			
Response time	< 150 µs	< 20 ms			
Release time	< 75 µs	< 20 ms			
Insulation resistance Coil circuit/Load circuit	-	> 100 MOhm			
Dielectric strength Coil circuit/Load circuit	-	> 500 VDC			
Contact data					
Contact-voltage drop at test voltage in new condition: normally open contact	-	< 2,5 mV/A			
in new condition: normally-closed contact	-	-			
following service-life test: normally-open contact	-	< 2,5 mV/A			
following service-life test: normally-closed contact	-	-			
Mechanical service life	-	2x 10 ⁵			

Mini-relays / Solid-state relays



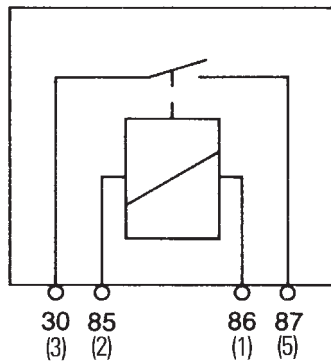
Mikrorelais



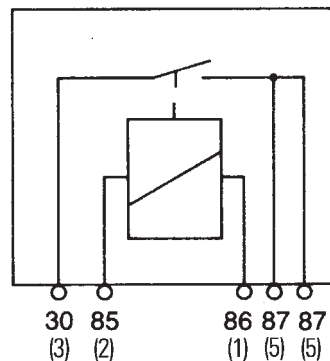
Plug patterns according to ISO 7588 / flat plugs to ISO 8092

The different types of relays:

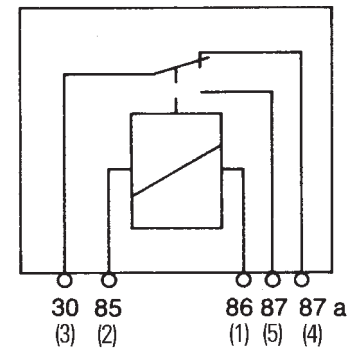
1. The normally-open relay



2. The normally-open relay with dual output



3. The change-over relay



A normally-open relay is used to close the electric circuit between power source and electrical load, i.e. the load is switched on. Relays are operated by means of switches, pulse generators or control devices. Application: headlamps, auxiliary driving lamps, auxiliary fog lamps, horns, heaters, motors for fans and power windows, air-conditioners and ignition assemblies, etc.

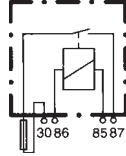
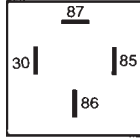
The change-over relay changes the load path from one electrical load to another. The relay is operated by a dashboard switch. Application: Switching over from town horn to fanfare horn, for 2-speed-appliances such as heated rear windows or fan motors, etc.

Change-over relays can be used as:

- change-over relays
- normally-open relays
- normally-closed relays

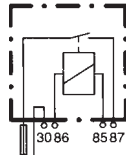
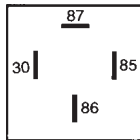
Normally-open relays (mini-relays)

With bracket and 15A blade-type fuse.



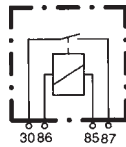
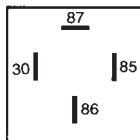
Part no.	Pk.	
		Max. load (at +80 °C) normally-open contact Resistive load: 15A Inductive load: 15A Capacitive load: 15A
4RA 003 530-001	1	Normally-open relay, 4-pole, 12V
4RA 003 530-007	112	
4RA 003 530-051	1	Normally-open relay, 4-pole, 24V

With bracket and 25A blade-type fuse.



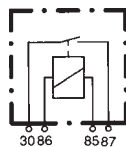
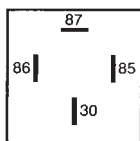
Part no.	Pk.	
		Max. load (at +80 °C) normally-open contact Resistive load: 25A Inductive load: 25A Capacitive load: 25A
4RA 003 530-042	1	Normally-open relay, 4-pole, 12V
4RA 003 530-041	112	

With bracket.



Part no.	Pk.	
		Max. load (at +80 °C) normally-open contact Resistive load: 30A Inductive load: 30A Capacitive load: 16A
4RA 965 400-001	1	Normally-open relay, 4-pole, 12V
		Max. load (at +80 °C) normally-open contact Resistive load: 30A Inductive load: 16A Capacitive load: 16A
4RA 965 400-031	1	Normally-open relay, 4-pole, 24V

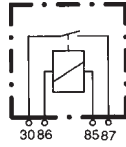
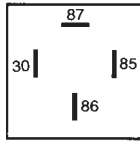
With bracket and resistor in parallel with coil.



Part no.	Pk.	
		Max. load (at +80 °C) normally-open contact Resistive load: 40A Inductive load: 35A Capacitive load: 30A
4RA 007 791-021	1	Normally-open relay, 4-pole, 12V
		Max. load (at +80 °C) normally-open contact Resistive load: 20A Inductive load: 16A Capacitive load: 16A
4RA 007 957-011	1	Normally-open relay, 4-pole, 24V
4RA 007 957-017	200	

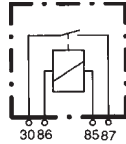
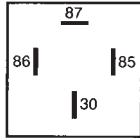
Normally-open relays (mini-relays)

Without bracket.



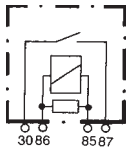
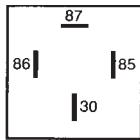
Part no.	Pk.	
		Max. load (at +80 °C) normally-open contact Resistive load: 30A Inductive load: 30A Capacitive load: 16A
4RA 965 400-017	250	Normally-open relay, 4-pole, 12V

Without bracket.



Part no.	Pk.	
		Max. load (at +80 °C) normally-open contact Resistive load: 40A Inductive load: 30A Capacitive load: 30A
4RA 933 332-101 4RA 933 332-107	1 40	Normally-open relay, 4-pole, 12V
		Max. load (at +80 °C) normally-open contact Resistive load: 20A Inductive load: 16A Capacitive load: 16A
4RA 933 332-111 4RA 933 332-117	1 40	Normally-open relay, 4-pole, 24V

Without bracket, with resistor in parallel with coil.

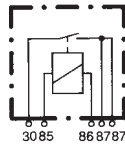
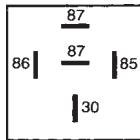


Part no.	Pk.	
		Max. load (at +80 °C) normally-open contact Resistive load: 40A Inductive load: 35A Capacitive load: 30A
4RA 007 791-011 4RA 007 791-017	1 200	Normally-open relay, 4-pole, 12V
		Max. load (at +80 °C) normally-open contact Resistive load: 20A Inductive load: 16A Capacitive load: 15A
4RA 007 957-001 4RA 007 957-007	1 200	Normally-open relay, 4-pole, 24V

Normally-open relays (mini-relays) with dual output

With bracket. With two "87" connections.

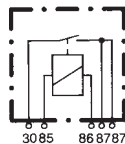
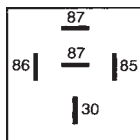
Ideal for switching pairs of consumers, e.g. auxiliary lamps.



Part no.	Pk.	
4RA 933 791-061 4RA 933 791-067	1	Max. load (at +80 °C) normally-open contact Resistive load: 40A Inductive load: 30A Capacitive load: 30A
	40	Normally-open relay, 5-pole, 12V
4RA 933 791-071	1	Max. load (at +80 °C) normally-open contact Resistive load: 20A Inductive load: 16A Capacitive load: 16A
		Normally-open relay, 5-pole, 24V
4RA 933 791-091	1	With diode in parallel with coil. Max. load (at +80 °C) normally-open contact Resistive load: 40A Inductive load: 30A Capacitive load: 30A
	1	Normally-open relay, 5-pole, 12V

Without bracket. With two "87" connections.

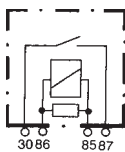
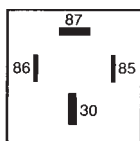
Ideal for switching pairs of consumers, e.g. auxiliary lamps.



Part no.	Pk.	
4RA 933 332-151	1	Max. load (at +80 °C) normally-open contact Resistive load: 40A Inductive load: 30A Capacitive load: 30A
		Normally-open relay, 5-pole, 12V
4RA 933 791-081	1	Max. load (at +80 °C) normally-open contact Resistive load: 20A Inductive load: 16A Capacitive load: 16A
		Normally-open relay, 5-pole, 24V

Normally-open relays (power mini-relays)

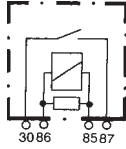
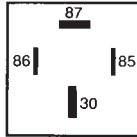
With bracket and resistor in parallel with coil.



Part no.	Pk.	
4RA 007 793-041 4RA 007 793-047	1	With flat blade connectors 9.5mm. Max. load (at +80 °C) normally-open contact Resistive load: 50A Inductive load: 46A Capacitive load: 44A
	175	Normally-open relay, 4-pole, 12V

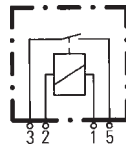
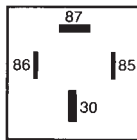
Normally-open relays (power mini-relays)

Without bracket, with resistor in parallel with coil.



Part no.	Pk.	
		With flat blade connectors 9.5mm. Max. load (at +80 °C) normally-open contact Resistive load: 50A Inductive load: 46A Capacitive load: 44A
4RA 007 793-031	1	Normally-open relay, 4-pole, 12V
4RA 007 793-037	175	

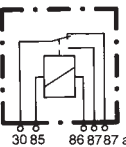
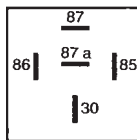
Without bracket, with resistor in parallel with coil.



Part no.	Pk.	
		Max. load (at +80 °C) normally-open contact Resistive load: 40A Inductive load: 30A Capacitive load: 30A
4RA 933 321-021	1	Normally-open relay, 4-pole, 24V
4RA 933 321-027	40	

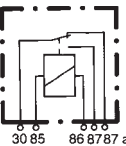
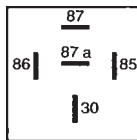
Change-over relays (mini-relays)

With bracket.



Part no.	Pk.	
		Max. load (at +80 °C) normally-closed contact / normally-open contact Resistive load: 20A / 40A Inductive load: 6A / 20A Capacitive load: 10A / 20A
4RD 933 332-011	1	Change-over relay, 5-pole, 12V

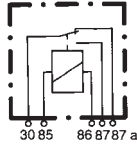
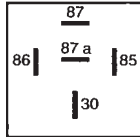
With bracket.



Part no.	Pk.	
		Max. load (at +80 °C) normally-closed contact / normally-open contact Resistive load: 20A / 30A Inductive load: 6A / 20A Capacitive load: 10A / 20A
4RD 933 332-041	1	Change-over relay, 5-pole, 12V
4RD 933 332-047	40	
		Max. load (at +80 °C) normally-closed contact / normally-open contact Resistive load: 10A / 20A Inductive load: 8A / 16A Capacitive load: 5A / 15A
4RD 933 332-061	1	Change-over relay, 5-pole, 24V
4RD 933 332-067	40	

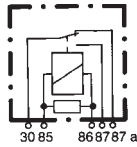
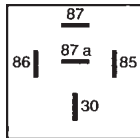
Change-over relays (mini-relays)

With bracket.



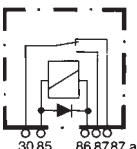
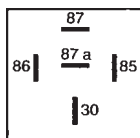
Part no.	Pk.	
4RD 933 332-237	1	Max. load (at +80 °C) normally-closed contact / normally-open contact Resistive load: 20A / 30A Inductive load: 6A / 20A Capacitive load: 10A / 20A
		Change-over relay, 5-pole, 12V

With bracket and resistor in parallel with coil.



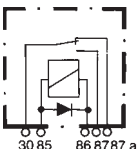
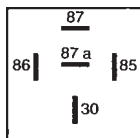
Part no.	Pk.	
4RD 007 794-031	1	Max. load (at +80 °C) normally-closed contact / normally-open contact Resistive load: 20A / 30A Inductive load: 5A / 20A Capacitive load: 10A / 30A
		Change-over relay, 5-pole, 12V
4RD 007 903-011	1	Max. load (at +80 °C) normally-closed contact / normally-open contact Resistive load: 10A / 20A Inductive load: 10A / 16A Capacitive load: 5A / 15A
		Change-over relay, 5-pole, 24V

With bracket and diode in parallel with coil.



Part no.	Pk.	
4RD 933 332-277	40	Max. load (at +80 °C) normally-closed contact / normally-open contact Resistive load: 20A / 30A Inductive load: 6A / 20A Capacitive load: 10A / 20A
		Change-over relay, 5-pole, 12V

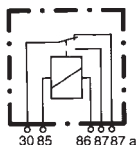
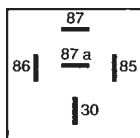
With bracket and diode in parallel with coil.



Part no.	Pk.	
4RD 933 332-081 4RD 933 332-087	1 40	Max. load (at +80 °C) normally-closed contact / normally-open contact Resistive load: 10A / 20A Inductive load: 8A / 16A Capacitive load: 5A / 15A
		Change-over relay, 5-pole, 24V

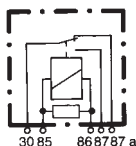
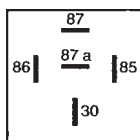
Change-over relays (mini-relays)

Without bracket.



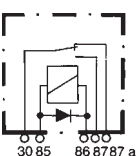
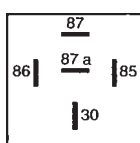
Part no.	Pk.	
4RD 933 332-051 4RD 933 332-057	1	Max. load (at +80 °C) normally-closed contact / normally-open contact Resistive load: 20A / 30A Inductive load: 6A / 20A Capacitive load: 10A / 20A
	40	Change-over relay, 5-pole, 12V
4RD 933 332-071 4RD 933 332-077	1	Max. load (at +80 °C) normally-closed contact / normally-open contact Resistive load: 10A / 20A Inductive load: 8A / 16A Capacitive load: 5A / 15A
	40	Change-over relay, 5-pole, 24V

Without bracket, with resistor in parallel with coil.



Part no.	Pk.	
4RD 007 794-021 4RD 007 794-027 4RD 007 794-077	1	Max. load (at +80 °C) normally-closed contact / normally-open contact Resistive load: 20A / 30A Inductive load: 5A / 20A Capacitive load: 10A / 30A
	200	
	200	Change-over relay, 5-pole, 12V
4RD 007 903-001 4RD 007 903-007	1	Max. load (at +80 °C) normally-closed contact / normally-open contact Resistive load: 10A / 20A Inductive load: 10A / 16A Capacitive load: 5A / 15A
	200	Change-over relay, 5-pole, 24V
4RD 933 332-261	1	Max. load (at +80 °C) normally-closed contact / normally-open contact Resistive load: 10A / 20A Inductive load: 8A / 16A Capacitive load: 5A / 15A
		Change-over relay, 5-pole, 24V

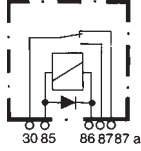
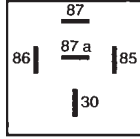
Without bracket, with diode in parallel with coil.



Part no.	Pk.	
4RD 007 794-041 4RD 007 794-047	1	Max. load (at +80 °C) normally-closed contact / normally-open contact Resistive load: 20A / 30A Inductive load: 5A / 20A Capacitive load: 10A / 30A
	200	Change-over relay, 5-pole, 12V
4RD 007 903-021 4RD 007 903-027	1	Max. load (at +80 °C) normally-closed contact / normally-open contact Resistive load: 10A / 20A Inductive load: 10A / 16A Capacitive load: 5A / 15A
	200	Change-over relay, 5-pole, 24V

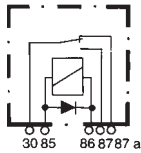
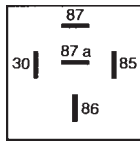
Change-over relays (mini-relays)

Without bracket, with diode in parallel with coil.



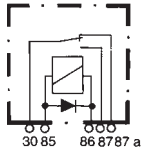
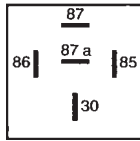
Part no.	Pk.	
		Max. load (at +80 °C) normally-closed contact / normally-open contact Resistive load: 20A / 30A Inductive load: 6A / 20A Capacitive load: 10A / 20A
4RD 933 332-021	1	Change-over relay, 5-pole, 12V
4RD 933 332-027	40	

Without bracket, with diode in parallel with coil.



Part no.	Pk.	
		Max. load (at +80 °C) normally-closed contact / normally-open conta Resistive load: 15A / 30A Inductive load: 20A / 33A Capacitive load: 8A / 16A
4RD 965 400-027	40	Change-over relay, 5-pole, 12V

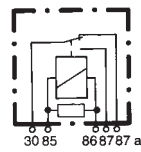
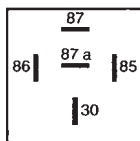
Without bracket, with diode in parallel with coil.



Part no.	Pk.	
		Max. load (at +80 °C) normally-closed contact / normally-open contact Resistive load: 10A / 20A Inductive load: 8A / 16A Capacitive load: 5A / 15A
4RD 933 332-091	1	Change-over relay, 5-pole, 24V
4RD 933 332-097	40	

Change-over relays (skirted-relays)

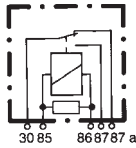
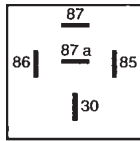
With bracket and resistor in parallel with coil.



Part no.	Pk.	
		Max. load (at +80 °C) normally-closed contact / normally-open contact Resistive load: 20A / 30A Inductive load: 6A / 20A Capacitive load: 10A / 20A
4RD 933 332-031	1	Change-over relay, 5-pole, 12V
8JD 745 801-001	1	and 5 blade receptacles 6.3 mm
8JD 745 801-011	1	Cable connector for socket 8JD 745 801-011,
8KW 863 904-003	50	1,0 - 2,0 sq. mm
8KW 863 904-013	50	2,5 - 4,0 sq. mm

Change-over relays (skirted-relays)

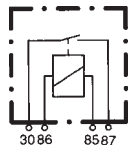
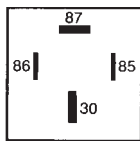
Without bracket, with resistor in parallel with coil.



Part no.	Pk.	
		Max. load (at +80 °C) normally-closed contact / normally-open contact Resistive load: 20A / 30A Inductive load: 6A / 20A Capacitive load: 10A / 20A
4RD 933 332-177	16	Change-over relay, 5-pole, 12V
		Accessories: Socket, 5-pole, with 300/480 mm long connector lead and blade receptacles 6.3 mm without connector lead and blade receptacles 6.3 mm Cable connector for socket 8JD 745 801-011,
8JD 745 801-001	1	
8JD 745 801-011	1	
8KW 863 904-003	50	1,0 - 2,0 sq. mm
8KW 863 904-013	50	2,5 - 4,0 sq. mm

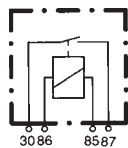
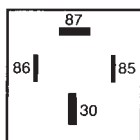
Heavy-duty normally open relays

With bracket.



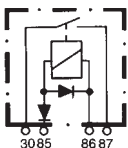
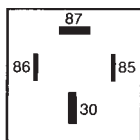
Part no.	Pk.	
		Max. load (at +80 °C) normally-closed contact / normally-open contact Resistive load: - / 60A Inductive load: - / 50A Capacitive load: - / 25A
4RA 003 437-081	1	Heavy-duty normally open relay, 4-pole, 12V
4RA 003 437-087	120	

With bracket.



Part no.	Pk.	
		Max. load (at +80 °C) normally-closed contact / normally-open contact Resistive load: - / 60A Inductive load: - / 50A Capacitive load: - / 25A
4RA 003 437-091	1	Heavy-duty normally open relay, 4-pole, 24V
4RA 003 437-097	120	

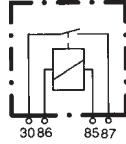
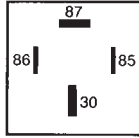
With holder and additional diodes
(anti-surge diode and polarity reversal protection diode)



Part no.	Pk.	
		Max. load (at +80 °C) normally-closed contact / normally-open contact Resistive load: - / 60A Inductive load: - / 50A Capacitive load: - / 25A
4RA 003 437-101	1	Heavy-duty normally open relay, 4-pole, 12V

Heavy-duty normally open relays

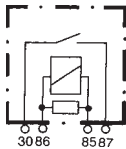
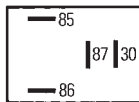
Without bracket.



Part no.	Pk.	
4RA 003 437-111	1	Max. load (at +80 °C) normally-closed contact / normally-open contact Resistive load: - / 60A Inductive load: - / 50A Capacitive load: - / 25A Heavy-duty normally open relay, 4-pole, 12V
4RA 003 437-121 4RA 003 437-127	1 180	Max. load (at +80 °C) normally-closed contact / normally-open contact Resistive load: - / 60A Inductive load: - / 50A Capacitive load: - / 25A Heavy-duty normally open relay, 4-pole, 24V

Normally-open relays (micro-relays)

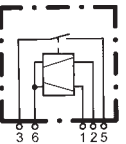
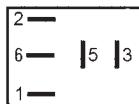
Without bracket, with resistor in parallel with coil.



Part no.	Pk.	
4RA 007 813-011 4RA 007 813-017	1 350	Max. load (at +80 °C) normally-closed contact / normally-open contact Resistive load: - / 20A Inductive load: - / 15A Capacitive load: - / 16A Normally-open relay, 4-pole, 12V

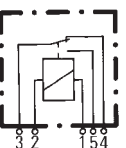
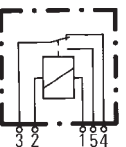
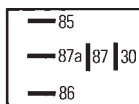
Normally-open relays (micro-relays) bistable

Without bracket.



Part no.	Pk.	
4RC 933 364-027	1	Max. load (at +80 °C) normally-closed contact / normally-open contact Resistive load: - / 20A Inductive load: - / 20A Capacitive load: - / 20A Normally-open relay, 5-pole, 12V

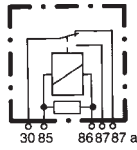
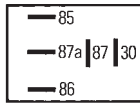
Change-over relays (micro-relays)



Part no.	Pk.	
4RD 933 319-011 4RD 933 319-017	1 50	Max. load (at +80 °C) normally-closed contact / normally-open contact Resistive load: 10A / 20A Inductive load: 8A / 18A Capacitive load: 8A / 15A Change-over relay, 5-pole, 24V

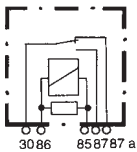
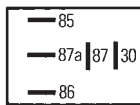
Change-over relays (micro-relays)

Without bracket, with resistor in parallel with coil.



Part no.	Pk.	
		Max. load (at +80 °C) normally-closed contact / normally-open contact Resistive load: 10A / 20A Inductive load: 11A / 11A Capacitive load: 10A / 20A
4RD 007 814-011	1	Change-over relay, 5-pole, 12V
4RD 007 814-017	350	

Without bracket, with locking tab and resistor in parallel with coil.
Blue body with dust and waterproof sealed base plate.



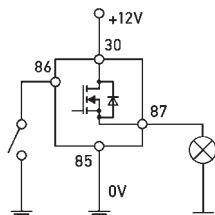
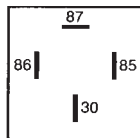
Part no.	Pk.	
		Max. load (at +80 °C) normally-closed contact / normally-open contact Resistive load: 20A / 35A Inductive load: 15A / 30A Capacitive load: 15A / 25A
4RD 933 319-007	450	Change-over relay, 5-pole, 12V

Normally-open relays (solid-state relays)

Solid-state relays are modern semi-conductor switches.
HELLA satisfies the increasing trend of controlling loads
(e.g. fan motors, glow plugs, headlamps and heaters)
with power regulation.

Solid-state relays in detail:

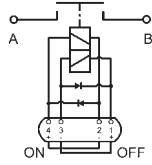
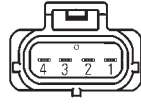
- Semi-conductor relays, suitable for resistive loads, lamp loads and inductive loads.
- Pulse width modulation allows regulation of the power for the loads.
- Maximum switching reliability, particularly suited for switching functions relevant for safety.
- Compatible with conventional ISO-mini relays in terms of overall size and plug pattern.
- Silent switching, e.g. in passenger compartment.
- Resistant to short-circuit and overload.
- Protected against polarity reversal and earth disconnection.
- Shock and vibration-resistant.
- Water-proof, potted design.
- Protected against overheating.
- Low quiescent current.
- Type of protection: IP 67.



Part no.	Pk.	
		Max. load (at +80 °C) normally-closed contact / normally-open contact Resistive load: - / 22A Inductive load: - / 22A Capacitive load: - / 22A
4RA 007 865-031	1	Solid-state relay, 12V

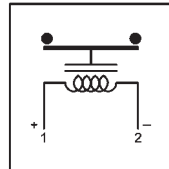
Battery disconnect relays (bistable)

With bracket and diode in parallel with coil.

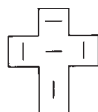


Part no.	Pk.	
		Max. load (at +80 °C) normally-closed contact / normally-open contact Resistive load: - / 180A Inductive load: - / 180A Capacitive load: - / 180A
4RC 011 152-007	1	Normally-open relay, 6-pole, 12V
8KW 188 577-001	1	Accessories: 4-pole socket-set

With lead and 2-pole Superseal plug connector.



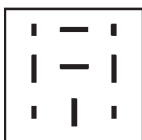
Part no.	Pk.	
		Max. load (at +80 °C) normally-closed contact / normally-open contact Resistive load: - / 150A Inductive load: - / 150A Capacitive load: - / 150A
4RC 011 152-011	1	Battery disconnect relay, 4-pole, 12V



For built-in or external fitting

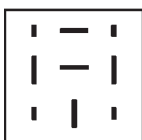
For mini-relays.
With 5-pole SAE terminal arrangement
 for receiving five 6.3 mm blade terminal connectors. Made of black plastic.

Part no.	Pk.	
8JA 715 606-001	50	Socket, 5-pole



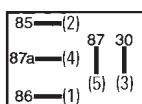
For mini-relays.
With 9-pole SAE terminal arrangement
 for receiving five 6.3 mm and four 2.8 mm blade terminal connectors. Made of black plastic.

Part no.	Pk.	
8JA 003 526-001	5	Socket, 9-pole
8JA 003 526-002	50	



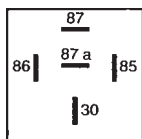
For mini-relays.
With 9-pole SAE terminal arrangement
 for receiving 3 blade terminal connectors 6.3 mm, 2 blade terminal connectors 9.5 mm and 4 blade terminal connectors 2.8 mm. Made of black plastic.

Part no.	Pk.	
8JA 183 161-002	5	Socket, 9-pole
Accessories:		
Blade receptacles with locking tab for cable section		
8KW 744 819-003	100	0.5 - 1.0 sq. mm (connector width 6.3 x 0.8 mm)
8KW 701 235-033	100	1.5 - 2.5 sq. mm (connector width 6.3 x 0.8 mm)
8KW 744 822-003	100	4.0 - 6.0 sq. mm (connector width 9.5 x 0.8 mm)



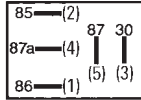
For micro-relays.
With 5-pole SAE terminal arrangement.
 for receiving three 4.8 mm and two 6.3 mm blade terminal connectors. Made of black plastic.

Part no.	Pk.	
8JD 733 767-001	5	Socket, 5-pole



For waterproof ISO mini-relays
4RD 933 332-177 / -031
 with pin arrangement B1.

Part no.	Pk.	
8JD 745 801-001	1	5-pole socket with 30 cm long connector lead
8JD 745 801-011	1	without connector lead
Accessoires for -011:		
Blade receptacle 6,3 mm for cable section 1,0 sq. mm - 2,0 sq. Mm		
8KW 863 904-003	50	



For built-in or external fitting

For micro-relays.

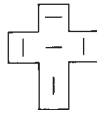
With SAE terminal arrangement, 5-pole, be lined,
for receiving three 4.3 mm and
two 6.3 blade terminal connectors.
Made of black plastic.

Part no.	Pk.	
8JD 187 872-001	10	Socket, 5-pole
8JD 187 871-031	1	Accessories: MINI-fuse holder

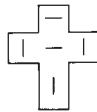
For circuit boards

For mini-relays.

With 5-pole SAE terminal arrangement
for receiving five 6.3 mm blade terminal connectors.
Made of black plastic.



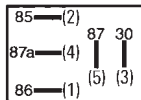
Part no.	Pk.	
8JA 717 291-007	1	Socket, 5-pole



For mini-relays.

With 5-pole SAE terminal arrangement
for receiving five 6.3 mm blade terminal connectors.
Made of black plastic.

Part no.	Pk.	
8JD 733 963-001	5	Socket, 5-pole



With 5-pole SAE terminal arrangement,

for receiving three 4.8 mm and
two 6.3 mm blade terminal connectors.
Made of black plastic.

Part no.	Pk.	
8JD 733 962-001	5	Socket, 5-pole

For flasher units

6-pole,

for receiving six 6.3 mm blade terminal connectors.
Made of black plastic.



Part no.	Pk.	
9NH 701 230-001	10	Socket, 6-pole



Retaining spring for relays

For mounting mini-relays.

Part no.	Pk.	
9KB 710 131-001	10	Retaining spring





Relays, Wiping interval

Alfa Romeo - Vauxhall



Manufacturer Model	Model year	Part no.	Pk.	Manufacturer Model	Model year	Part no.	Pk.
Alfa Romeo				Peugeot			
75	05/85->02/92	5WG 003 620-081	1	106	01/92 ->04/96	5WG 003 620-081	1
Audi				205	02/83 ->		
A4 (8D2, B5)	11/94->05/97	5WG 003 620-081	1	306	01/93 ->		
A4 Avant (8D5, B5)	07/95->09/01			309	03/86 ->		
A6 (4A, C4)	06/94->02/97			405	07/87 ->09/96		
A6 Avant (4A, C4)	06/94->12/97			406	10/96 ->		
Coupé	09/91->12/95			806	02/95 ->		
80	08/72->07/95			Renault			
90	10/84->08/91			Espace	01/85 ->	5WG 003 620-081 Height 42 mm	1
100	08/76->05/94			Kangoo	03/98 ->		
200	09/79->11/90			Laguna	04/94 ->		
Citroën				Safrane	01/93 ->		
Berlingo	10/96->	5WG 003 620-081	1	Twingo	06/93 ->		
BX	04/83->			Saab			
CX	09/74->11/89			90	08/84 ->07/87	5WG 003 620-081	1
Xantia	03/93->			900	10/78 ->08/93		
XM	12/89->			9000	05/85 ->		
ZX	10/91->			Seat			
Ford				Alhambra (7V8, 7V9)	04/96 ->09/97	5WG 003 620-081	1
Galaxy	06/95->09/97	5WG 003 620-081	1	Arosa (6H)	05/97 ->		
Opel				Cordoba (6K2/C2)	02/93 ->06/99		
Ascona C	09/81->09/88	5WG 003 620-081	1	Cordoba (6K2)	06/99 ->10/02		
Astra F	09/91->			Ibiza I (021A)	06/84 ->12/93		
Calibra	06/90->07/97			Ibiza II (6K1)	03/93 ->08/99		
Corsa A	03/83->02/93			Ibiza III (6K1)	08/99 ->02/02		
Corsa B	03/93->			Toledo I (1L)	01/91 ->03/99		
Kadett C	08/73->07/79			Skoda			
Kadett D	08/79->09/84			Favorit	03/89 ->	5WG 003 620-081	1
Kadett E	10/84->08/91			Felicia	10/94 ->		
Omega A	10/86->02/94			Vauxhall			
Senator A	08/87->08/93			Vectra	10/88 ->09/95	5WG 003 620-081	1
Tigra	11/94->						
Vectra A	10/88->09/95						



Relays, Wiping interval

Volkswagen - Volvo



2

Manufacturer Model	Model year	Part no.	Pk.
Volkswagen			
Corrado (53I)	09/88->12/95	5WG 003 620-081	1
Derby (86)	02/77->09/81		
Derby (86C, 80)	08/81->12/84		
Golf I (17)	08/77->12/85		
Golf II (19E, 1G1)	08/83->12/92		
Golf III (1H1)	08/91->08/97		
Golf III Estate (1H5)	07/93->04/99		
Jetta I (17)	08/79->01/85		
Jetta II (19E, 1G2)	01/84->12/92		
Passat (32)	08/75->07/80	5WG 003 620-081	1
Passat Estate (33)	08/75->10/81		
Passat (32B)	08/80->12/88		
Passat Estate (32B)	08/80->06/89		
Passat (3A2, 35I)	02/88->08/96		
Passat Estate (3A5, 35I)	02/88->05/97		
Passat (3B2)	08/96->08/97		
Passat Estate (3B5)	06/97->08/97		
Polo I, II, III	08/76->09/01	5WG 003 620-081	1
Polo III Classic	11/95->09/01		
Polo Estate	04/97->09/01		
Santana	09/81->01/85		
Scirocco I, II	08/75->09/92		
Sharan	05/95->09/97		
Vento	01/92->10/98		
Transporter (T4) California, Caravelle, Multivan, Transporter	09/90->		
Volvo			
S70	02/97->	5WG 003 620-081	1
V40	04/96->12/98		
V70	02/97->		
340	07/76->12/91		
360	08/81->07/90		
440, 460	09/88->		
480	04/86->		
800	08/90->		



Relays, Wiping interval

Citroën - Volkswagen



Manufacturer Model	Model year	Part no.	Pk.
Citroën			
Berlingo	10/96->	5WG 003 620-081	1
Mercedes-Benz			
L 406 D - L 613 D	09/82->12/85	5WG 002 450-121 24V	1
207 D - 410 (T1, TN-series)	05/77->	5WG 002 450-311	1
507 D - 814 D (T2, LN1-series)	01/86->	5WG 002 450-121 24V	1
Opel			
Astra F	10/91->01/99	5WG 003 620-081	1
Corsa A	02/86->09/94		
Corsa B	08/99->09/00		
Kadett E	08/84->07/94		
Peugeot			
205	02/83->	5WG 003 620-081	1
Renault			
Kangoo	03/98->	5WG 003 620-081 Height 42 mm	1
Master	01/85->12/97		
Seat			
Inca (6K9)	08/97->	5WG 003 620-081	1
Volkswagen			
Polo	08/92->12/99	5WG 003 620-081	1
Transporter (T4) California, Caravelle, Multivan, Transporter	09/90->		



Relays, Wiping interval

Bova - Steyr



2

Manufacturer Model	Model year	Part no.	Pk.
Bova			
Europa		5WG 002 450-301 24V	1
Delta Plan			
various models		5WG 002 450-301 24V	1
Iveco			
180-24 - 240-38, 256 M - 320 M (T-series)	05/78->	5WG 002 450-111 24V, max. switching current: 10A	1
		5WG 002 450-291 24V, max. switching current: 3,5A	1
Mercedes-Benz			
L 1518 - L 2624	01/66->12/74	5WG 002 450-121 24V, max. switching current: 10A	1
O 309, O 309 D	09/82->12/88		
O 405			
O 405 VÖV II	01/84->	5WG 002 450-287 24V, max. switching current: 3,5A	50
O 407			
709 - 1524 (LK, LN2-series)	03/84->		
1013 - 3850 (New generation)	08/73->07/88		
Scania			
G 82 - T 142 (series 2)	07/80->12/87	5WG 002 450-301 24V	1
G 83 - T 143 (series 3)	01/88->		
Steyr			
6 S - 17 S	01/86->	5WG 002 450-301 24V	1
19 S - 40 S	10/87->		
791 - 1491	04/78->09/87		

Technical data:

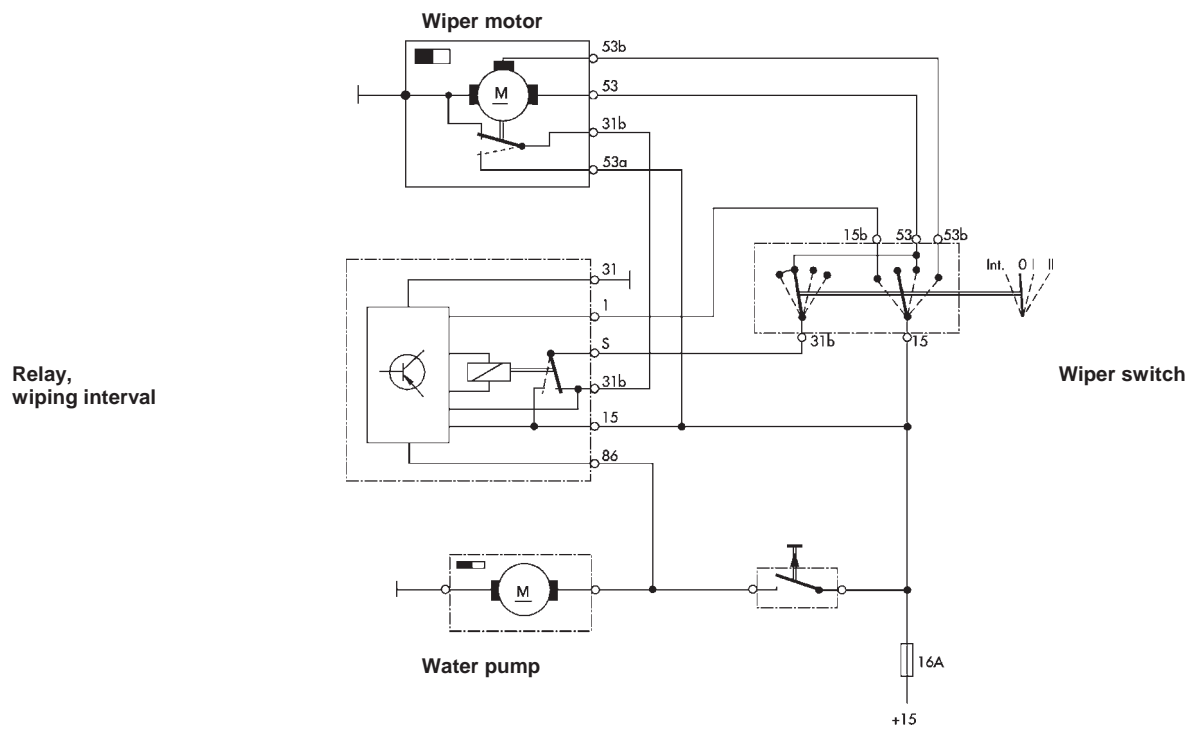
	5WG 003 620-08	5WG 002 450-28
Nominal voltage	12V	24V
Operating temperature	-20 °C to +60 °C	-25 °C to +70 °C
Cutoffdelay (wipe dry)	4.75 s ± 1.25 s	Room temperature
15 s delay between 2 washing cycles	at 10V up to 15V and -10 °C to +60 °C	
Interval delay time	5.5 s ± 1.5 s at 10V up to 15V and -10 °C to +60 °C	5 s ± 1 s at 26V and room temperature
Rated current load of power circuit	12V-wiper motor at I = 5A	24V-wiper motor at I = 3.5A

Test duration of wiper-washer operation

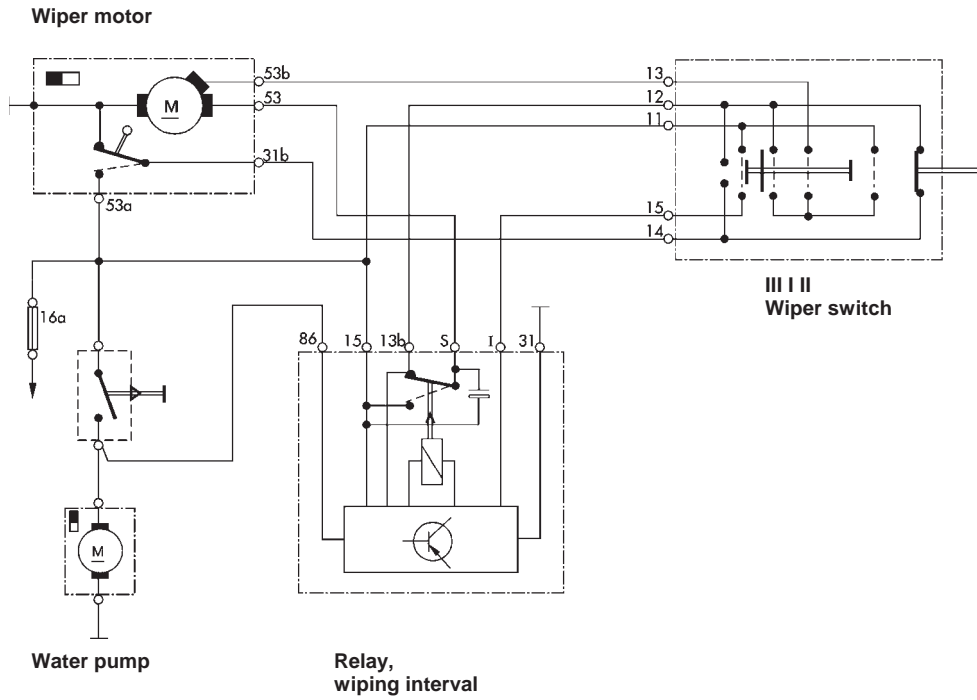
30.000 switching operations at 3 cycles per minute

250 h continuous interval wiping combined with wash-wiper cycle, 1 wash impulse per minute

5WG 003 620-08

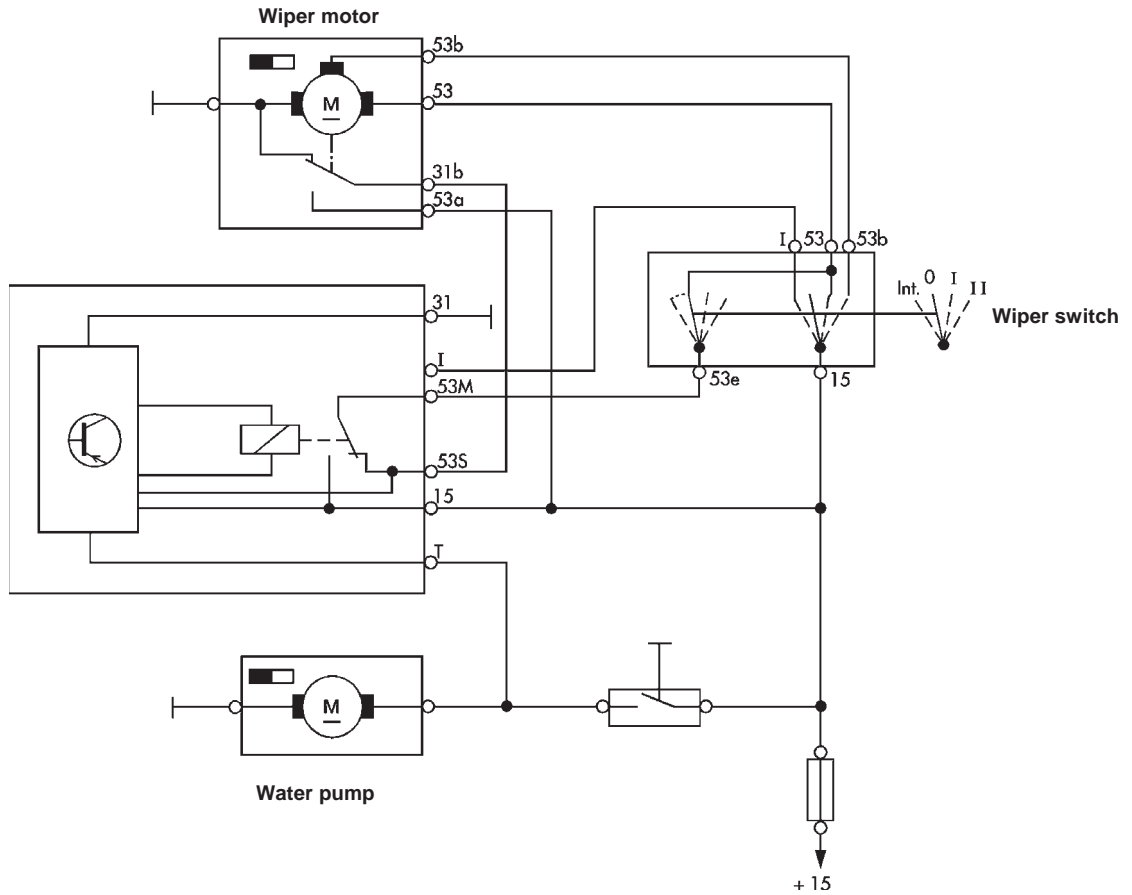


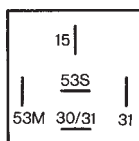
5WG 002 450-28



5WG 002 450-31

Relay, wiping interval

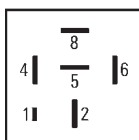




Switches, wiping interval

The intermittent switch automatically stops/starts the windscreen wiper at regular intervals, 2-20 times per minute.
For windscreen and rear window wipers, for positive and negative-earth vehicles. With installation material.

Part no.	Pk.	
5WA 001 871-041	1	Switch, wiping interval, 5-pole, 12V, self-service box
5WA 001 871-051	1	24V

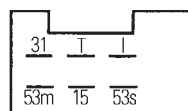


Relays, wiping interval for windscreens

Alfa Romeo, Audi, Citroën, Daihatsu, Ford, Mazda, Mercedes-Benz, Mitsubishi, Opel, Peugeot, Porsche, Renault, Rover, Saab, Seat, Subaru, Suzuki, Skoda, Toyota, Volkswagen, Volvo

Dimensions: 30 x 30 x 42 mm.

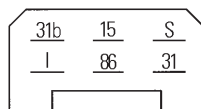
Part no.	Pk.	
5WG 003 620-081	1	Relay, wiping interval, 12V, 6-pole
5WG 003 620-087	196	



Mercedes-Benz

Max. switching current: 10A
Release delay when operating wiping: 4 sec. +/- 1 sec.
Switch-on delay when operating interval: 1 sec.
Break time when operating interval: 5 sec. +/- 1 sec.

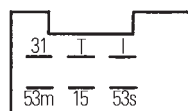
Part no.	Pk.	
5WG 002 450-121	1	Relay, wiping interval, 24V, 6-pole
5WG 002 450-127	25	



Mercedes-Benz

Max. switching current: 3.5A.
Release delay when operating wiping: 4 sec. +/- 1 sec.
Switch-on delay when operating interval: 1 sec.
Break time when operating interval: 5 sec. +/- 1 sec.

Part no.	Pk.	
5WG 002 450-287	50	Relay, wiping interval, 24V, 6-pole



Iveco Magirus, Mercedes-Benz

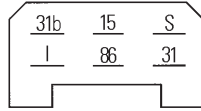
Max. switching current: 10A
Release delay when operating wiping: 4 sec. +/- 1 sec.
Switch-on delay when operating interval: 1 sec.
Break time when operating interval: 5 sec. +/- 1 sec.

Part no.	Pk.	
5WG 002 450-111	1	Relay, wiping interval, 12V, 6-pole
5WG 002 450-117	25	

Relays, wiping interval for windscreens

Iveco Magirus, Mercedes-Benz

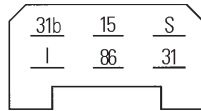
Max. switching current: 3.5A.
 Release delay when operating wiping: 4 sec. +/- 1 sec.
 Switch-on delay when operating interval: 1 sec.
 Break time when operating interval: 5 sec. +/- 1 sec.



Part no.	Pk.	Relay, wiping interval,
5WG 002 450-311	1	12V, 6-pole
5WG 002 450-317	100	
5WG 002 450-291	1	24V, 6-pole
5WG 002 450-297	100	

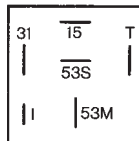
Bova, Scania, Steyr

Max. switching current: 3.5A.
 Release delay when operating wiping: 4 sec. +/- 1 sec.
 Switch-on delay when operating interval: 1 sec.
 Break time when operating interval: 5 sec. +/- 1 sec.

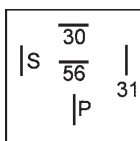


Part no.	Pk.	Relay, wiping interval,
5WG 002 450-301	1	24V, 6-pole
5WG 002 450-307	140	

Alfa Romeo, Audi, Citroën, Daihatsu, Ford, Mazda, Mercedes-Benz, Mitsubishi, Opel, Peugeot, Porsche, Renault, Rover, Saab, Seat, Subaru, Suzuki, Skoda, Toyota, Volkswagen, Volvo
 Dimensions: 30 x 30 x 42 mm.

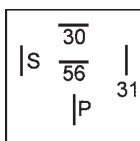


Part no.	Pk.	Relay, wiping interval,
5WG 003 620-081	1	12V, 6-pole
5WG 003 620-087	196	



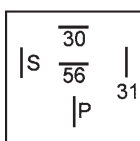
Relays, Headlight cleaning

Part no.	Pk.	
5WD 005 674-131	1	Relay, headlight cleaning, 12V, 5-pole



Iveco, Mercedes-Benz

Part no.	Pk.	
5WD 005 674-141	1	Relay, headlight cleaning, 24V, 5-pole



Renault Trucks

Part no.	Pk.	
5WD 003 547-071	1	Relay, headlight cleaning, 24V, 5-pole



List of manufacturers / page

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Application chart for cars

2.31-2.35

Product descriptions

2.36



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` áíêçØã	OKPN
cÉëè~éá	OKPO
cá~í	OKPO
cçêÇ	OKPO
eçäÇÉã	OKPO
i ~ãĀã~	OKPP
l éÉã	OKPPJOKPO
mÉì ÖÉçí	OKPQ
pÉ~í	OKPQ
s~ì ñŪ~ãã	OKPQJOKPR
sçããëï ~ÖÉã	OKPRJOKPS



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Manufacturer Model Vehicle type	Model Year	Part no.	Note
Alfa Romeo			
75 (162B)	05/85->12/92		
1.8 Turbo i.e. (162.B1E) (AR 06158)		4RP 008 189-111	
Audi			
80 (81, 85, B2)	08/78->12/86		
1.6 GLE (YZ); 1.6 (DT); 1.6 (YP); 2.0 quattro (85Q) (JS); 2.0 (JS, HP); 2.2 quattro (85Q) (KK); 2.2 (WE)		4RP 008 189-081	
1.8 CC quattro (85Q) (NE, JV); 1.8 CC quattro (85Q) (JN); 1.8 (SF); 1.8 (DS); 1.8 (JN)		4RP 008 189-061 4RP 008 189-071	
1.8 GTE quattro (85Q) (DZ); 1.8 GTE quattro (85Q) (PV); 1.8 GTE (DZ); 1.8 GTE (PV)		4RP 008 189-091	
Coupé (81, 85)	07/80->10/88		
1.8 GT (SF); 1.8 GT (DS, JV); 1.8 GT (PV); 1.8 GT (DZ); 1.8 GT (JN)		4RP 008 189-061	
2.0 (SK); 2.0 (JS, HP)		4RP 008 189-071	
2.2 quattro (KV); 2.2 quattro (JT)		4RP 008 189-081	
80 (89, 89Q, 8A, B3)	06/86->10/91		
1.8 E quattro (DZ); 1.8 E (DZ); 1.8 quattro (SD); 1.8 S quattro (SF); 1.8 S quattro (PM, JN, NE); 1.8 S (SF); 1.8 S (PM, JN, NE); 1.8 (RU); 1.8 (SD)		4RP 008 189-061	
2.0 E quattro (3A); 2.0 E (3A); 2.0 quattro (AAD); 2.0 quattro (3A); 2.0 (AAD)		4RP 008 189-081	
Coupé (89, 8B)	10/88->12/96		
1.8 (DZ); 2.0 (AAD, ABK)		4RP 008 189-061	
2.0 20 V quattro (NM); 2.2 quattro (KV)		4RP 008 189-071	
90 (81, 85, B2)	08/84->03/87		
2.0 (JS, HP); 2.0 (SK); 2.2 E quattro (KV); 2.2 E quattro (JT); 2.2 (KX); 2.2 (KV, HY)		4RP 008 189-081	
90 (89, 89Q, 8A, B3)	04/87->09/91		
2.0 (PS)		4RP 008 189-081	
2.2 E quattro (KV); 2.2 E (KV)		4RP 008 189-071	
100 (44, 44Q, C3)	08/82->07/91		
1.8 quattro (SH); 1.8 quattro (NP, JW); 1.8 (SH); 1.8 (DR, RS); 1.8 (DS, NP, JW)		4RP 008 189-061	
1.8 quattro (SH); 1.8 quattro (NP, JW); 1.8 (SH); 1.8 (DR, RS); 1.8 (DS, NP, JW); 2.0 (SL); 2.0 (KP); 2.1 (WC)		4RP 008 189-071	
1.8 KAT (PH, 4B)		4RP 008 189-061	eng. code PH
		4RP 008 189-061	eng. code 4B
2.0 KAT (RT); 2.2 E quattro (PX); 2.2 KAT (KU, HX); 2.2 quattro KAT (KU, HX); 2.2 quattro (KU); 2.2 (KZ); 2.2 (KU)		4RP 008 189-081	
100 Avant (44, 44Q, C3)	08/82->11/90		
1.8 (DR, RS); 1.8 (SH); 1.8 (NP, JW, DS); 2.0 E (KP); 2.1 (WC)		4RP 008 189-071	
1.8 quattro (SH); 1.8 quattro (NP, JW); 1.8 (DR, RS); 1.8 (SH); 1.8 (NP, JW, DS)		4RP 008 189-061	
1.8 quattro KAT (PH, 4B)		4RP 008 189-061	eng. code PH
		4RP 008 189-061	eng. code 4B
2.0 E KAT (RT); 2.0 (SL); 2.2 E quattro (PX); 2.2 KAT (KU, HX); 2.2 quattro KAT (KU, HX); 2.2 quattro (KU); 2.2 (KZ); 2.2 (KU)		4RP 008 189-081	
200 (43)	10/79->09/82		
2.1 5 E (WC)		4RP 008 189-081	
2.1 5 T (WJ)		4RP 008 189-071	
200 (44, 44Q)	06/83->12/91		
2.1 5 E (WC); 2.1 Turbo quattro (KG); 2.1 Turbo (KG); 2.2 (KU)		4RP 008 189-081	
200 Avant (44, 44Q)	09/83->12/91		
2.1 Turbo quattro (KG)		4RP 008 189-081	
Citroën			
CX II	07/85->12/92		
25 GTi Turbo 2 (M25-667); 25 GTi Turbo 2 (M25-662); 25 GTi (M25-668); 25 TRI (M25-659)		4RP 008 189-111	
CX II Break	07/85->12/92		
25 i (M25-668); 25 TRI (M25-659)		4RP 008 189-111	

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Manufacturer Model Vehicle type	Model Year	Part no.	Note
Ferrari			
Mondial	07/80->12/93		
3.2 Quattrovalvole (F 105 C..); 3.4 T (F 119 D); 8 Quattrovalvole (F 105 A.); 8 (F 106 B..)		4RP 008 189-111	
Mondial Convertible	03/84->12/93		
3.2 Quattrovalvole (F 105 C..); 3.4 T (F 119 D); 8 Quattrovalvole (F 105 A.)		4RP 008 189-111	
Fiat			
Croma (154)	12/85->12/96		
2000 16V (154 E1.000); 2000 CHT (154.AC) (154 A1.000); 2000 i.e. (154.AD) (834 B.000, 154 C3.000); 2000 i.e. (154.AM) (834 B.048); 2000 i.e. (154.AM, 154.LM) (154 C3.046, 834 B.146); 2000 i.e. Turbo (154.AM) (154 A2.000); 2000 i.e. Turbo (154.AM, 154.LM) (154 C4.046, 834 C.146); 2000 i.e. Turbo (834 C.146)		4RP 008 189-111	
Uno (146A/E)	01/83->06/06		
1.3 Turbo i.e. (146 A2.146); 1.3 Turbo i.e. (146 A2.000); 1.3 Turbo i.e. (146 A2.246); 1.4 Turbo i.e. (146 A8.046)		4RP 008 189-111	
Ford			
Capri III (GECF)	01/78->04/87		
2.8 Super Injection (PRN)		4RP 008 189-001	
Granada (GU)	08/77->08/85		
2.8 i (PRD); 2.8 i (PRC); 2.8 i (PRB)		4RP 008 189-001	
Granada Estate (GNU)	08/77->08/85		
2.8 i (PRD); 2.8 i (PRC); 2.8 i (PRB)		4RP 008 189-001	
Scorpio I (GAE, GGE)	04/85->09/94		
1.8 (REC); 2.0 i (NRC); 2.0 i (NRA, NRI); 2.0 i (N9D); 2.0 (N8D, NEL); 2.4 i KAT (ARD); 2.4 i (ARD); 2.4 i (ARC); 2.8 i 4x4 (PRE); 2.8 i (PRE); 2.9 i 24V (BOA); 2.9 i 4x4 (BRF, BRE, BRD); 2.9 i 4x4 (BRC); 2.9 i KAT (BRE); 2.9 i (BRE, BRF, BRD); 2.9 i (BRC)		4RP 008 189-001	
Scorpio I Saloon (GGE)	09/86->12/94		
2.0 i (N9B); 2.0 i (N9F); 2.0 i (N9D); 2.4 i (ARD); 2.9 i 24V (BOA); 2.9 i 4x4 (BRE, BRF, BRD); 2.9 i (BRE, BRF, BRD)		4RP 008 189-001	
Scorpio I Estate (GGE)	05/88->09/94		
2.0 i (N9F); 2.0 i (N9D); 2.4 i (ARD); 2.9 24V (BOA); 2.9 i 4x4 (BRF, BRE, BRD); 2.9 i (BRE, BRF, BRD)		4RP 008 189-001	
Sierra Hatchback (GBC)	08/82->02/87		
2.0 i (NR2, NRB); 2.8 XR 4x4 (PRT); 2.8 XR4i (PRT); 2.8 XR4i (PR6)		4RP 008 189-001	
Sierra Estate (BNC)	08/82->12/86		
2.8 XR4i (PR6)		4RP 008 189-001	
Sierra Hatchback (GBC, GBG)	01/87->03/93		
2.0 16V Cosworth 4x4 KAT (N5C); 2.0 16V Cosworth 4x4 (N5D); 2.0 i KAT (N4B); 2.0 i (N4A, N4I); 2.0 i (N9C); 2.0 i (N8A); 2.0 i (N9B); 2.0 i (NEJ, NE5); 2.8 i XR 4x4 (PRG); 2.9 i XR 4x4 (B4A); 2.9 i XR 4x4 (B4B, B4C); 2.9 i (B4B, B4C)		4RP 008 189-001	
Sierra (GBG, GB4)	01/87->02/93		
2.0 4x4 (N9C); 2.0 i KAT (N4B); 2.0 i (N4A, N4I); 2.0 i (N9C); 2.0 i (NE5, NEJ); 2.9 i (B4B, B4C)		4RP 008 189-001	
Sierra Estate (BNG)	01/87->02/93		
2.0 4x4 (N9C); 2.0 i KAT (N4B); 2.0 i (N4A, N4I); 2.0 i (N9C); 2.0 i (NE5, NEJ); 2.8 4x4 (PRG); 2.9 4x4 (B4B, B4C); 2.9 (B4B, B4C)		4RP 008 189-001	
Holden			
Calibra (YE)	06/90->07/98		
2.0 i 16V (C 20 XE); 2.0 i 16V (X 20 XEV); 2.0 i Turbo AWD (C 20 LET); 2.0 i (C 20 NE)		4RP 008 189-051	



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Manufacturer Model Vehicle type	Model Year	Part no.	Note
Lancia			
Thema (834)	11/84->07/94		
2000 16V (834FA) (C 834 F1.000); 2000 16V Turbo (834AC) (C 834 C1.000); 2000 16V Turbo (834GC, 834FC) (C 834 F2.000); 2000 i.e. (834B) (C 834 B.000); 2000 i.e. (834BV) (C 834 B.146); 2000 i.e. 16V (834AI) (C 834 B2.246); 2000 i.e. 16V Turbo (834AL) (C 834 C1.246); 2000 i.e. Turbo (834C) (C 834 C.000); 2000 i.e. (C 834 B.048); 2000 i.e. Turbo (834CV) (C 834 C.146); 8.32 (834F) (F 105 L); 8.32 (834FS) (F 105 L.046)			
Thema SW (834)	03/87->07/94		
2000 16V (834FA) (C 834 F1.000); 2000 i.e. 16V (834AI) (C 834 B2.246); 2000 i.e. 16V Turbo (834AC) (C 834 C1.000); 2000 i.e. 16V Turbo (834AL) (C 834 C1.246); 2000 Turbo 16V (834GC, 834FC) (C 834 F2.000); 2000 Turbo (C 834 C.146)			
Opel			
Ascona C CC (84_, 89_)	09/81->08/88		
1.8 E (C 18 NE, S 18 NV); 1.8 i (C 18 E) 2.0 i GT (C 20 SEH); 2.0 i KAT (C 20 NE); 2.0 i (C 20 NE)			
Ascona C (81_, 86_, 87_, 88_)	09/81->10/88		
1.8 E (C 18 NE, S 18 NV); 1.8 i (C 18 E) 2.0 i GT (C 20 SEH); 2.0 i KAT (C 20 NE); 2.0 i (C 20 NEF); 2.0 i (C 20 NE)			
Astra F CC (53_, 54_, 58_, 59_)	09/91->01/98		
1.8 i 16V (C 18 XEL, X 18 XE); 1.8 i 16V (C 18 XE); 2.0 GSI 16V (C 20 XE); 2.0 i 16V (X 20 XEV); 2.0 i (C 20 NE)			
Astra F (56_, 57_)	09/91->09/98		
1.8 i 16V (C 18 XE); 1.8 i 16V (C 18 XEL, X 18 XE); 2.0 i 16V (X 20 XEV); 2.0 i (C 20 NE)			
Astra F Estate (51_, 52_)	09/91->01/98		
1.8 i 16V (C 18 XE); 1.8 i 16V (C 18 XEL, X 18 XE); 2.0 i 16V (C 20 XE); 2.0 i 16V (X 20 XEV); 2.0 i (C 20 NE)			
Astra F Convertible (53_B)	03/93->03/01		
1.8 i 16V (C 18 XEL, X 18 XE); 2.0 i (C 20 NE)			
Calibra A (85_)	06/90->07/97		
2.0 i 16V 4x4 (X 20 XEV); 2.0 i 16V (X 20 XEV); 2.0 i 4x4 (C 20 NE); 2.0 i Turbo 4x4 (C 20 LET); 2.0 i (C 20 NE)			
Corsa A CC (93_, 94_, 98_, 99_)	09/82->03/93		
1.6 GSI KAT (C 16 SE); 1.6 GSI (C 16 SEI); 1.6 GSI (E 16 SE)			
Frontera A Sport (5_SUD2)	03/92->10/98		
2.0 i (52SUD2, 55SUD2) (C 20 NE, X 20 SE)			
Frontera A (5_MWL4)	03/92->10/98		
2.4 i (53MWL4) (C 24 NE)			
Kadett D (31_-34_, 41_-44_)	08/79->08/84		
1.8 GT/E (C 18 E)			
Kadett E CC (33_, 34_, 43_, 44_)	09/84->08/91		
1.6 i KAT (C 16 LZ, C 16 NZ); 1.6 i (E 16 NZ); 1.8 i (C 18 NT, C 18 NZ, S 18 NV); 2.0 GSI 16V KAT (C 20 XE); 2.0 GSI 16V (C 20 XEJ); 2.0 GSI KAT (C 20 NE); 2.0 GSI (C 20 NE); 2.0 GSI (C 20 SEH)			
1.8 E (C 18 NE); 1.8 GSI (C 18 E); 1.8 i (C 18 NT, C 18 NZ, S 18 NV)			
Kadett E (39_, 49_)	09/84->08/91		
1.6 i KAT (C 16 LZ, C 16 NZ); 1.6 i (E 16 NZ); 1.8 i (C 18 NT, C 18 NZ, S 18 NV); 1.8 i (C 18 E); 2.0 i KAT (C 20 NE); 2.0 i (C 20 NE, 20 SE)			
1.8 i (C 18 E, 18 SE); 1.8 i (C 18 NE)			
Kadett E Estate (35_, 36_, 45_, 46_)	09/84->08/91		
1.6 i KAT (C 16 LZ, C 16 NZ); 1.6 i (E 16 NZ); 1.8 i (C 18 NT, C 18 NZ); 2.0 i KAT (C 20 NE); 2.0 i (C 20 NE)			
1.8 E (C 18 NE); 1.8 i (C 18 NT, C 18 NZ)			
Kadett E Convertible (43B_)	10/86->02/93		
1.4 i (C 14 NZ)			
1.6 i KAT (C 16 LZ, C 16 NZ); 1.6 i (E 16 SV); 1.6 i (E 16 NZ); 2.0 i KAT (C 20 NE); 2.0 i (C 20 NE)			

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Manufacturer Model Vehicle type	Model Year	Part no.	Note
Opel			
Manta B (58_, 59_)	09/75->08/88		
2.0 E (C 20 E); 2.4 400 (C 24 E)		4RP 008 189-041	
Manta B CC (53_, 55_)	09/75->08/88		
2.0 E (C 20 E)		4RP 008 189-041	
Monza A (22_)	02/78->08/86		
2.5 E (H 25 E); 2.5 E (C 25 E); 3.0 GSE (C 30 LE); 3.0 GSE (C 30 E)		4RP 008 189-041	
Omega A (16_, 17_, 19_)	09/86->05/94		
1.8 N (C 18 NV); 1.8 S (C 18 SV); 1.8 (E 18 NVR); 1.8 (C 18 SEH); 2.0 i (C 20 NE); 2.0 (C 20 SE); 2.0 (C 20 NEF); 2.0 (C 20 NEJ); 2.4 i (C 24 NE); 2.6 i (C 26 NE); 3.0 (3000) KAT (C 30 NE); 3.0 (3000) (C 30 LE); 3.0 (3000) (C 30 NE); 3.0 24V (3000) (C 30 SEJ); 3.0 24V (3000) (C 30 SE); 3.0 24V Evolution500 (C 30 XEI); 3.6 24V Lotus (C 36 GET)		4RP 008 189-051	
Omega A Estate (66_, 67_)	09/86->05/94		
1.8 N (C 18 NV); 1.8 S (C 18 SV); 1.8 (E 18 NVR); 1.8 (C 18 SEH); 2.0 i (C 20 NEJ); 2.0 i (C 20 NE); 2.0 (C 20 SE); 2.0 (C 20 NEF); 2.4 i (C 24 NE); 2.6 i (C 26 NE); 3.0 24V (C 30 SEJ); 3.0 KAT (C 30 NE); 3.0 (C 30 NE); 3.0 (C 30 LE)		4RP 008 189-051	
Rekord E (17_-19_, 11_, 14_, 16_)	08/77->08/86		
1.8 E (C 18 NV); 2.0 E (C 20 E); 2.2 E (C 22 E)		4RP 008 189-041	
Rekord E Estate (61_, 66_, 67_)	08/77->08/86		
1.8 E (C 18 NV); 2.0 E (C 20 E); 2.2 E (C 22 E)		4RP 008 189-041	
Senator A (29_)	02/78->08/87		
2.5 E (H 25 E); 2.5 E (C 25 E); 3.0 E (C 30 E)		4RP 008 189-041	
Vectra A CC (88_, 89_)	04/88->11/95		
2.0 i 16V KAT (C 20 XE); 2.0 i 16V (C 20 XEJ); 2.0 i 16V (X 20 XEV); 2.0 i GT (C 20 SEH); 2.0 i KAT (C 20 NE); 2.0 i (C 20 NE)		4RP 008 189-051	
Vectra A (86_, 87_)	08/88->11/95		
2.0 i 16V 4x4 (X 20 XEV); 2.0 i 16V (X 20 XEV); 2.0 i 4x4 KAT (C 20 NE); 2.0 i 4x4 (C 20 NE); 2.0 i 4x4 (C 20 SEH); 2.0 i KAT (C 20 NE); 2.0 i Turbo 4x4 (C 20 LET); 2.0 i (C 20 SEH); 2.0 i (C 20 NE); 2000 16V 4x4 (C 20 XEJ); 2000/GT 16V 4x4 KAT (C 20 XE); 2000/GT 16V KAT (C 20 XE); 2000/GT 16V (C 20 XEJ)		4RP 008 189-051	
Peugeot			
205 I (741A/C)	02/83->10/87		
1.6 GTI (C 180A (XU5J)); 1.9 GTI (C D6B (XU9JA (w/o KAT))); 1.9 GTI (C DFZ (XU9J1))		4RP 008 189-111	
205 I Convertible (741B, 20D)	04/86->12/94		
1.6 CTI (C 180A (XU5J), 180Z (XU5J)); 1.9 CTI (C DFZ (XU9J1))		4RP 008 189-111	
205 II (20A/C)	01/87->09/98		
1.6 GTI (C 180Z (XU5J), 180A (XU5J)); 1.6 GTIY; 1.9 GTI KAT (C DFZ (XU9J1)); 1.9 GTI (C D6B (XU9JA)); 1.9 GTI (C D2A (XU92C)); 1.9 GTI (C DKZ (XU9JAZ))		4RP 008 189-111	
505 (551A)	05/79->12/93		
2.2 GTI (C 851B (ZDJL)); 2.2 GTIY		4RP 008 189-111	
505 Break (551D)	04/82->12/93		
2.2 GTI (C 851B (ZDJL))		4RP 008 189-111	
Seat			
Ibiza I (021A)	06/84->12/93		
1.5 i KAT (C 021 C.2000); 1.5 i (C 021 B.2000); 1.5 i (C 021 D.2000)		4RP 008 189-111	
Malaga (023A)	11/84->12/93		
1.5 i KAT (C 021 D.2000, 021 C.2000, 021 A 2000); 1.5 i (C 021 B.2000)		4RP 008 189-111	
Vauxhall			
Astra CC	09/79->08/86		
1.8 GTE (C 18 E)		4RP 008 189-041	
Astra Mk II CC	09/84->08/91		
1.8 GTE (C 18 E, 18 SE)		4RP 008 189-041	
1.8 GTE (C 18 E, 18 SE); 2.0 GTE 16V (C 20 XE); 2.0 GTE (C 20 SEH)		4RP 008 189-051	



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Manufacturer Model Vehicle type	Model Year	Part no.	Note
Vauxhall			
Astra Mk II Belmont	09/85->12/91		
1.8 i (18 E, 18 SE); 1.8 (18 SE)		4RP 008 189-051	
Astra Mk III (F)	09/91->09/98		
2.0 i 16V (X 20 XEV); 2.0 i (C 20 NE)		4RP 008 189-051	
Astra Mk III (F) CC	09/91->02/98		
2.0 i 16V (C 20 XE); 2.0 i (C 20 NE)		4RP 008 189-051	
Astra Mk III (F) Estate	03/91->02/98		
2.0 i (C 20 NE)		4RP 008 189-051	
Astra Mk III (F) Convertible	03/93->03/01		
2.0 i (C 20 NE)		4RP 008 189-051	
Calibra	06/90->07/97		
2.0 i 16V 4x4 (X 20 XEV); 2.0 i 16V 4x4 (C 20 XE); 2.0 i 16V (X 20 XEV); 2.0 i 16V (C 20 XE); 2.0 i 4x4 (C 20 NE); 2.0 i Turbo 4x4 (C 20 LET); 2.0 i (C 20 NE)		4RP 008 189-051	
Carlton Mk III	09/86->03/94		
1.8 i (18 SEH); 2.0 i (20 SE); 2.4 i (C 24 NE); 2.6 i (C 26 NE)		4RP 008 189-051	
3.0 3000 (30 NE); 3000 KAT (C 30 NE); 3000 (C 30 LE)		4RP 008 189-041	
Carlton Mk III Estate	09/86->03/94		
1.8 i (18 SEH); 2.0 i (20 SE); 2.0 i (C 20 NEJ); 2.4 i (C 24 NE); 2.6 i (C 26 NE)		4RP 008 189-051	
3.0 (C 30 NE)		4RP 008 189-041	
Cavalier Mk II CC	09/81->08/88		
1.8 i (18 SE); 1.8 i (18 E)		4RP 008 189-041	
1.8 i (18 SE); 1.8 i (18 E); 2.0 i KAT (C 20 NE)		4RP 008 189-051	
Cavalier Mk II	09/81->08/88		
1.8 i KAT (C 18 NE); 1.8 i (18 SE); 1.8 i (18 E)		4RP 008 189-041	
1.8 i KAT (C 18 NE); 1.8 i (18 SE); 1.8 i (18 E); 2.0 i KAT (C 20 NE); 2.0 i (20 NE); 2.0 SRi 130 (20 SEH)		4RP 008 189-051	
Cavalier Mk II Estate	09/81->08/88		
1.8 i (18 E, 18 SE)		4RP 008 189-041	
		4RP 008 189-051	
Cavalier Mk III CC	09/88->11/95		
2.0 i 16V (C 20 XE); 2.0 i (20 NE); 2.0 SRi (20 SEH)		4RP 008 189-051	
Cavalier Mk III (87)	09/88->11/95		
2.0 i 16V 4x4 (C 20 XE); 2.0 i 16V (C 20 XE); 2.0 i 4x4 (20 SEH); 2.0 i (20 NE); 2.0 SRi 16V (X 20 XEV); 2.0 SRi (20 SEH)		4RP 008 189-051	
Frontera Mk I (A) Sport	03/92->10/98		
2.0 i (C 20 NE, X 20 SE)		4RP 008 189-051	
Frontera Mk I (A)	03/92->10/98		
2.4 i (C 24 NE)		4RP 008 189-051	
Nova CC	05/83->03/93		
1.6 GSI KAT (C 16 SE); 1.6 GSI (E 16 SE); 1.6 GSI (C 16 SEI)		4RP 008 189-051	
Senator Mk II (B)	09/87->09/93		
2.6 i (C 26 NE); 3.0 i KAT (C 30 NE); 3.0 (C 30 LE); 3.0 (30 NE)		4RP 008 189-041	
3.0 24V (C 30 SE)		4RP 008 189-051	
Volkswagen			
Corrado (53I)	08/87->12/95		
1.8 G60 (PG)		4RP 008 189-101	
Golf I (17)	04/74->12/85		
1.8 GTI (DX, JJ)		4RP 008 189-081	
Golf I Convertible (155)	01/79->08/93		
1.8 (JH)		4RP 008 189-091	from chas. no. 15-G-000 001, eng. code JH
1.8 (DX, EV, PB)		4RP 008 189-091	from chas. no. 15-G-000 001, eng. code DX

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sčãäëi ~ÖĚä



Manufacturer Model Vehicle type	Model Year	Part no.	Note
Volkswagen			
Golf II (19E, 1G1)		08/83->12/92	
1.8 i KAT (RP, GX); 1.8 Syncro (GX, GU); 1.8 (GX, GU, HV)		4RP 008 189-061	eng. code GX
		4RP 008 189-071	
1.8 i Syncro KAT (RP); 1.8 Syncro (1P); 1.8 (RH)		4RP 008 189-071	
1.8 GTI (EV, PB, GZ, DX)		4RP 008 189-061	eng. code EV, GZ, up to model 85
		4RP 008 189-091	eng. code EV, GZ, from model 86
1.8 GTI G60 Syncro (1H, PG); 1.8 GTI G60 (PG); 1.8 Syncro (GX); 1.8 (GX)		4RP 008 189-101	
Jetta I (16)		08/78->02/84	
1.8 (DX, JJ)		4RP 008 189-081	
Jetta II (19E, 1G2, 165)		08/83->12/92	
1.8 (GX, GU, HV)		4RP 008 189-061	eng. code GX
1.8 (GX)		4RP 008 189-101	
1.8 KAT (RP, GX)		4RP 008 189-061	eng. code GX
		4RP 008 189-071	
1.8 KAT (PF); 1.8 Syncro (1P); 1.8 Syncro (GU, RP); 1.8 (RH); 1.8 (RD)		4RP 008 189-071	
1.8 (EV, PB, GZ)		4RP 008 189-061	eng. code EV, GZ, up to model 85
		4RP 008 189-071	
		4RP 008 189-091	eng. code EV, GZ, from model 86
Passat (32B)		11/79->06/89	
1.8 (DS, JN, JV)		4RP 008 189-061	eng. code JN
2.0 (JS, HP); 2.2 (KX); 2.2 (KV)		4RP 008 189-081	
Passat Saloon (32B)		08/84->03/88	
1.8 (DS, JN)		4RP 008 189-061	eng. code JN
		4RP 008 189-101	
2.2 (KX)		4RP 008 189-081	
Passat Estate (32B)		08/80->06/89	
1.8 Syncro (DS, JN); 1.8 (DS, JN, JV)		4RP 008 189-061	eng. code JN
2.0 Syncro (JS); 2.0 (JS, HP); 2.2 Syncro (JT); 2.2 (KX); 2.2 (KV)		4RP 008 189-081	
Passat (3A2, 35I)		02/88->12/97	
1.8 16V (); 1.8 G60 Syncro (PG); 1.8 (PF); 1.8 (PB); 1.8 (ABS, RP, ADZ); 2.0 Syncro (2E, AGG, ADY); 2.0 (2E, ABA, ADY, AGG)		4RP 008 189-101	
Passat Estate (3A5, 35I)		02/88->06/97	
1.8 16V (); 1.8 G60 Syncro (PG); 1.8 (PF); 1.8 (PB); 1.8 (ABS, RP, ADZ); 2.0 Syncro (2E, ADY, AGG)		4RP 008 189-101	
Scirocco (53B)		08/80->07/92	
1.8 (JH)		4RP 008 189-061	from chas. no. 53G-000 001, eng. code JH

Opel, Vauxhall

Part no.	Pk.	
4RP 008 189-041	1	Relay, fuel pump, 12V

Part no.	Pk.	
4RP 008 189-051	1	Relay, fuel pump, 12V

Audi, Volkswagen

Part no.	Pk.	
4RP 008 189-061	1	Relay, fuel pump, 12V

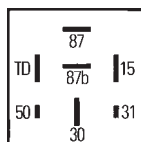
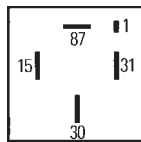
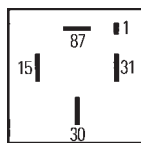
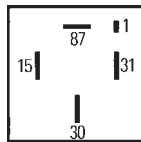
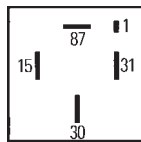
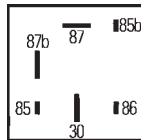
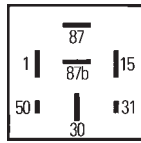
Part no.	Pk.	
4RP 008 189-071	1	Relay, fuel pump, 12V

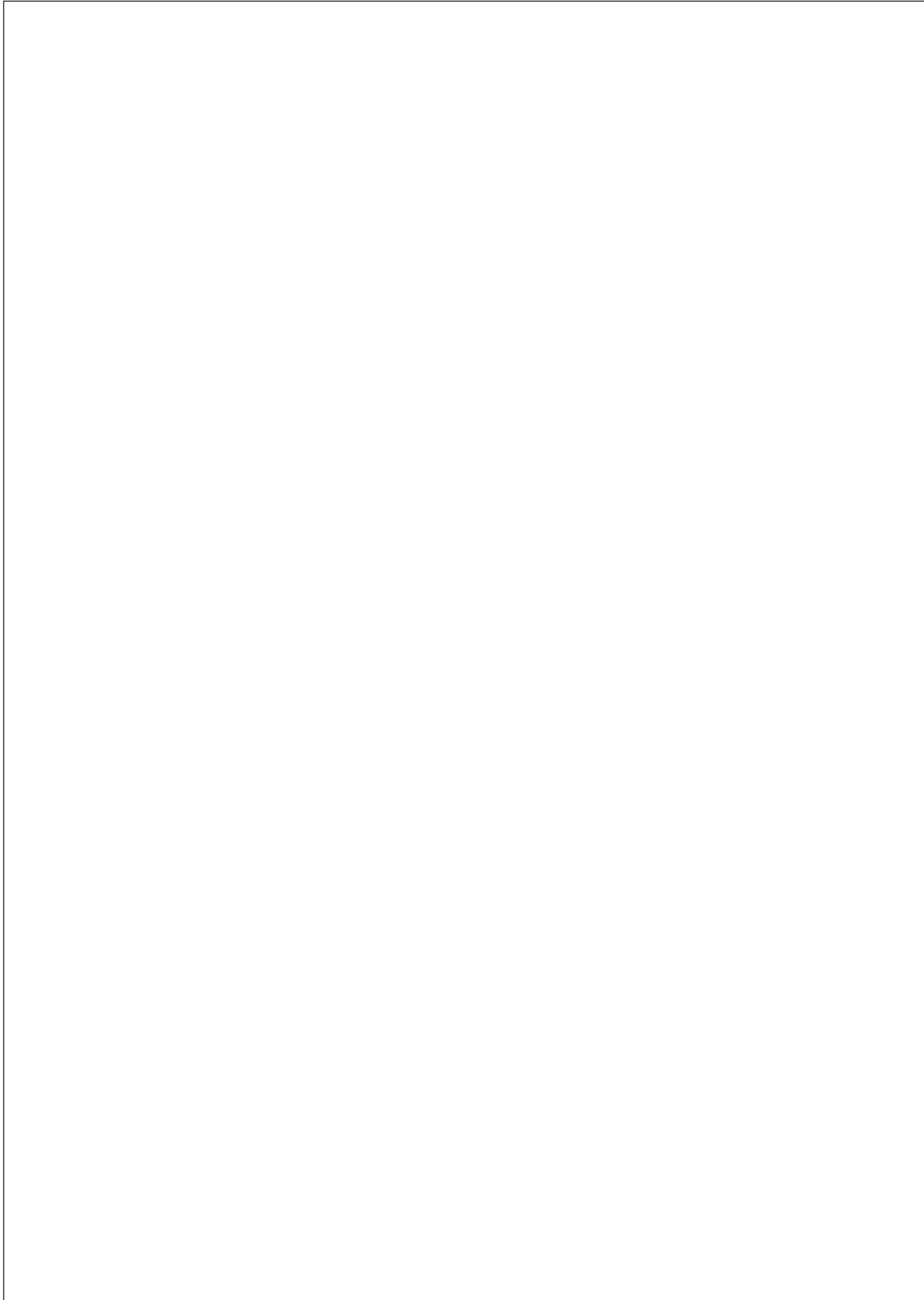
Part no.	Pk.	
4RP 008 189-081	1	Relay, fuel pump, 12V

Part no.	Pk.	
4RP 008 189-091	1	Relay, fuel pump, 12V

Alfa Romeo, Citroën, Ferrari, Fiat, Lancia, Peugeot, Seat

Part no.	Pk.	
4RP 008 189-111	1	Relay, fuel pump, 12V







Configurator module switches	3.02
Universal flush-fit switches in model range 3 100 / 4 100 / 007 832 / 008 948 / 004 570 / 008 910	3.03-3.36
Symbol cards	3.37-3.52
Cross-reference rocker switches 3 100 / 4 100 / 007 832 / 008 948 / 004 570 / 008 910	3.53-3.54
Rocker switches	3.55-3.57
Toggle switches	3.57-3.59
Blower switch	3.58
Switches, door contact - universal	3.59-3.60
Push-button switches	3.61-3.63
Push-button switches	3.63-3.66
Switches, stop light	3.66, 3.69
Push-pull switches	3.67-3.69
Regulating switch	3.69
Warning lights	3.70-3.71
Push-pull rotary switches	3.72
Rotary switches	3.69, 3.73-3.74
Immobilizer	3.73
Steering column mounted switches	3.75-3.76
Battery master switches	3.77-3.80
Foot-operated dipper switch	3.80
Foot-operated switches	3.81
Loading platform switches	3.81
Pressure and tappet switches	3.82

The vehicle application overviews can be found in the HELLA Online Catalogue and TecDoc

The HELLA module switches konfigurator



HELLA module switches konfigurator

You can configure your own switches individually.

First, choose between the new waterproof 003 100 series (indoor and outdoor applications) and the 004 100 series (indoor applications).

You can select any switch functions, the operating voltage, combinations of symbols and the corresponding accessories with just a few clicks.

Your choices can easily be transferred to a favourites list, printed out or sent as an online request.

The project-specific processing of your request will be carried out individually with the desired symbol configuration and customer-specific article number.

www.hella.com/switch

Modul switch generation 3 100

Watertight module switches for electrical systems.
Ideal for use in agricultural and construction machinery.
The lasered symbols are lit by integrated LEDs.

- Highly reliable even under extreme conditions
- Ideal for use in agricultural and construction machinery
- Most diverse switch functions in 12/24V
 - Normally open / Change-over
 - One-stage switch / Two-stage switch
- Locking functions
 - Hazard flasher switch
- Manifold standard and customer-specific laser symbols
- Specific symbol illumination by using one or two LEDs
- Easy to mount, either directly in the mounting hole or using a modular mounting frame
- Display light in the same design for safety-related feedback



Accessoires see page 3.05, 3.37-3.52

Mounting frame:

End piece left, right

Adapter

Indicator lamps:

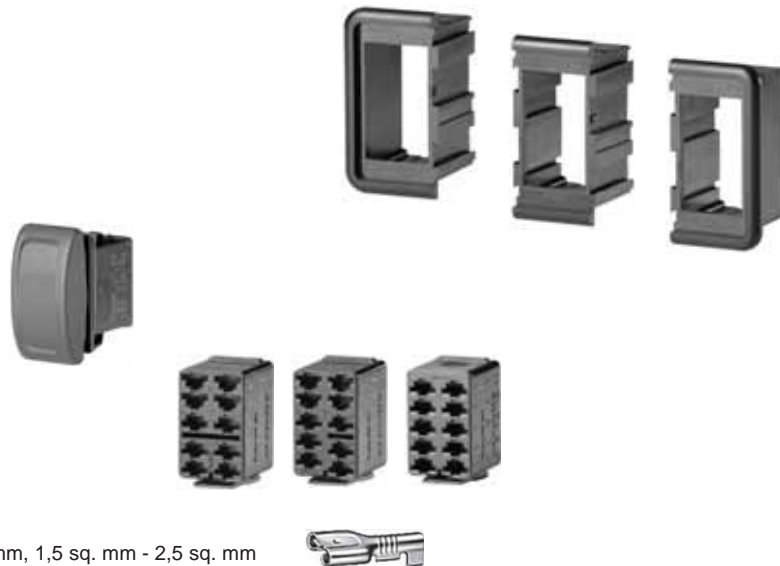
For safety-related feedback

Cover plug

Socket housing

Blade receptacles

for cable section 0,5 sq. mm - 1,0 sq. mm, 1,5 sq. mm - 2,5 sq. mm

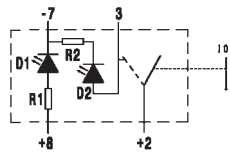


Technical details:

Mounting aperture:	21,1 x 37,0 mm
Rocker material:	PC transparent, painted
Body material:	PBT, black
Connection contacts:	6,3 mm x 0,8 mm
Switch-contact coating:	CuZn silver plated
Light source:	max. 2 LEDs:
	1 x background illumination, green
	1 x function illumination, red
	warning lights in orange and green
	lasered
Symbol type:	
Service life:	150.000 cycles at 6A / 24V
Type of protection:	IP 68 terminal side: IP 66
Operating temperature:	-40 °C to + 85 °C
Storage temperature:	-40 °C to + 85 °C
Dash board thickness:	if the switch is installed directly: 2 mm

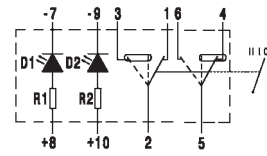
Function 00

**Normally open, locking,
1-pole, 1-stage**
suitable for use with location light
and pilot light



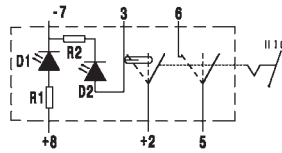
Function 01

**Normally open, locking,
1-pole, 1-stage**
with internal function illumination,
with locking



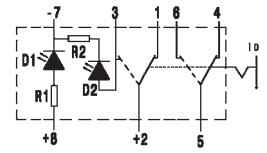
Function 02

**Normally open, locking,
2-pole, 2-stage**
suitable for use with location light
and pilot light



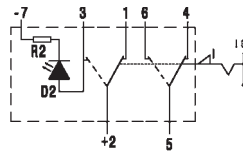
Function 03

**Change-over, locking,
2-pole, 1-stage**
suitable for use with location light
and pilot light



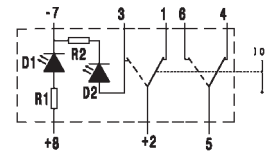
Function 04

**Change-over, locking,
2-pole, 1-stage**
with internal function illumination,
with locking



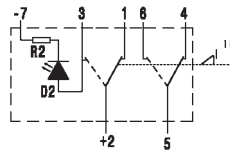
Function 05

**Change-over, key,
2-pole, 1-stage**
with location light,
with external function indication



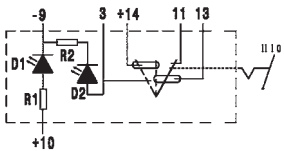
Function 06

**Change-over, key,
2-pole, 1-stage**
with internal function illumination,
with locking



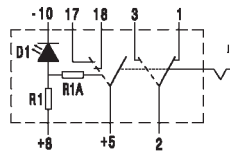
Function 07

**Change-over, locking,
1-pole, 2-stage**
suitable for use with location light
and pilot light



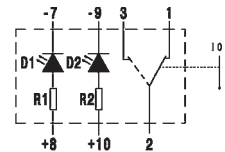
Function 08

**Hazard warning switch
Change-over, locking,
2-pole, 1-stage**
with location light red,
with internal function illumination



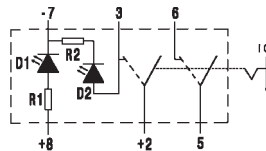
Function 09

**Change-over, key,
1-pole, 1-stage**
with location light,
with external function indication



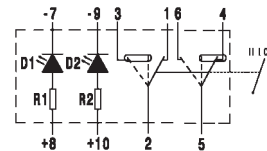
Function 10

**Normally open, locking,
2-pole, 1-stage**
suitable for use with location light
and pilot light



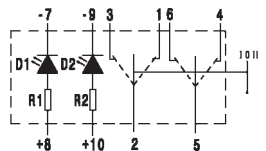
Function 11

**Change-over, locking,
2-pole, 2-stage**
with location light,
with external function indication,
switching stage I: locking
switching stage II: key



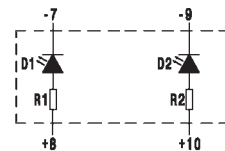
Function 12

**Change-over, key,
2-pole, 2-stage.**
with location light,
with external function indication,
Switching stage: I-0-II



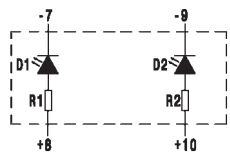
Function 13

Warning light
with external function indication,
double, green



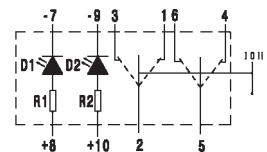
Function 14

Warning light
with external function indication,
double, orange



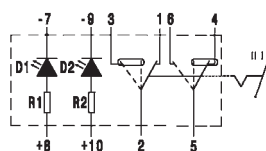
Function 15

**Change-over, locking,
2-pole, 2-stage**
with location light,
with external function indication
Switching stage: I-0-II



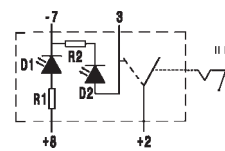
Function 16

**Change-over, locking,
2-pole, 2-stage**
with location light,
with external function indication



Function 17

**Normally open, locking,
1-pole, 1-stage**
with location light,
with internal function illumination



Modular mounting-panel system

Black. 2 end pieces and 1 middle piece are needed to make a mounting panel. By adding middle pieces, this panel can be extended as required.



Part no.	Pk.	
9AR 169 209-102	10	End piece, left and right
9AR 169 209-107	100	
9AR 169 208-102	10	Adapter
9AR 169 208-107	200	

Cover plug

Black. For closing empty switch apertures in mounting panel.



Part no.	Pk.	
9HB 172 229-101	1	Cover plug
9HB 172 229-107	10	

Socket housing

Black.



Part no.	Pk.	
8JD 010 076-102	10	Socket, 10-pole Type I
8JD 010 076-107	440	
8JD 010 076-112	10	Type II
8JD 010 076-117	440	
8JD 010 076-122	10	Type III
8JD 010 076-127	440	

Blade receptacles



Part no.	Pk.	
8KW 744 882-003	100	Blade receptacle, 6,3 mm for cable section 0,5 sq. mm - 1,0 sq. mm
8KW 744 820-003	100	

Removal tool



Part no.	Pk.	
8PE 197 631-001	1	Removal tool

Modul switch generation 4 100

For particularly energy-efficient & maintenance-free interior applications in commercial vehicles, passenger cars, agricultural and construction machines, as well as special vehicles.

Energy efficiency:

The increasing use of electronic control elements represents a particular drain on vehicles' energy systems. Since the provision of additional power is extremely costly, the trend is towards extremely low control currents which also need safe and reliable switching mechanisms.

The HELLA solution:

friction-fit snap system and selected contact pairs.

The standard AgNi version makes safe switching functions possible even in the mA range.



Maintenance-free:

The operator can expect reliable and maintenance-free functioning for the duration of the vehicle's life.

The service life (cycles) of the contact system and that of the lighting source are the primary definitive parameters.

Hella supplies its customers with the especially wear-resistant "micro-switch system".

The snap-action friction system minimises the wear and soiling of the contact surfaces occasioned by every operation of the switch.

The average service life of an LED is up to 100,000 hours.

An additional feature is the use of up to four light sources.

This allows optimum representation of all the switching states (two orientation and two function controls).

Accessories see page 3.13, 3.37-3.52

Mounting frame:

A newly designed modular system can facilitate all possible installation configurations.

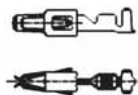
Indicator lamps:

For safety-relevant or special applications, a reliable indicator lamp can be delivered that provides information about the switching condition in a non-local manner.

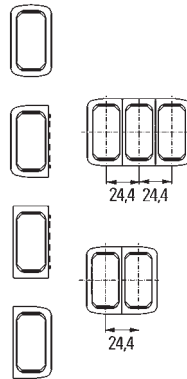
Cover plug



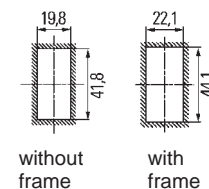
Socket housing



Junior Power Timer



Mounting aperture

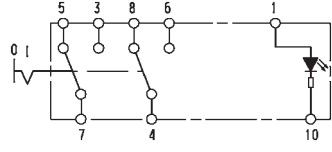


Technical details:

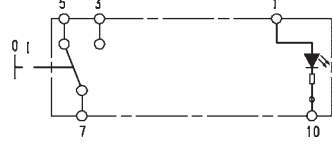
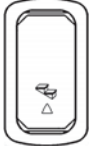
Rocker material:	PC transparent, painted
Body material:	white PA, black PA body
Connection contacts:	3,0 mm Junior Power Timer
Switch-contact coating:	AgNi
Blade receptacle:	2,8 mm Junior Power Timer, with AgNi-coating
Light source:	Max. 4 LEDs: 2 x location lighting, green 2 x function lighting, red Warning lights also available in blue and orange
Symbol type:	Laser-applied in accordance with catalog or customer-specifically in dxf format
Service life:	5 mA / 450.000 cycles 5A / 24V inductive / 270.000 cycles 4A / 24V bulb (75W) / 90.000 cycles 10A / 24V ohmic / 80.000 cycles
Type of protection:	IP 54
Operating temperature:	-40 °C to + 85 °C
Storage temperature:	-40 °C to +100 °C
Dash board thickness:	if the switch is installed directly: 2 mm
Accessories:	Mounting-panels individually and linkable, socket housing available

You can find further information, including ordering notes, at www.hella.com/switch

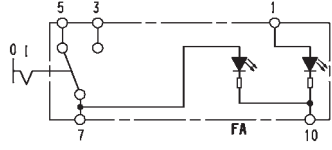
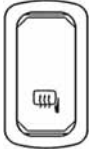
Module switches, 12V



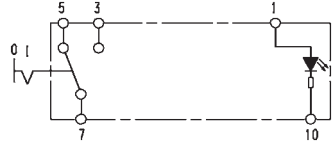
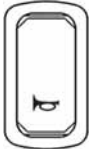
Part no.	Pk.	Function 03
6FH 354 100-701	1	Change-over, locking, 2-pole, 1-stage



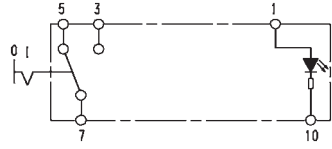
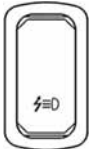
Part no.	Pk.	Function 07
6FH 354 100-687	100	Change-over, key, 1-pole, 1-stage



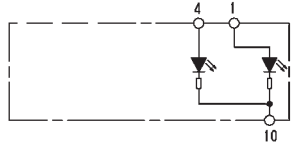
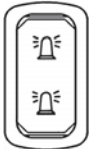
Part no.	Pk.	Function 01
6FH 354 100-671	1	Change-over, locking, 1-pole, 1-stage
6FH 354 100-677	100	



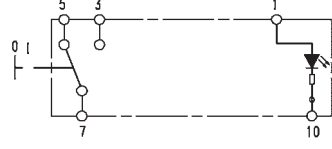
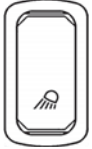
Part no.	Pk.	Function 00
6FH 354 100-691	1	Change-over, locking, 1-pole, 1-stage



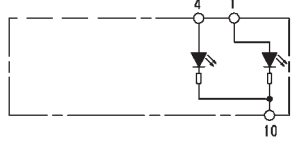
Part no.	Pk.	Function 00
6FH 354 100-721	1	Change-over, locking, 1-pole, 1-stage



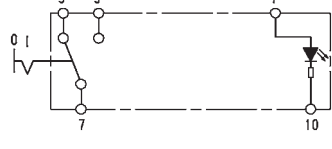
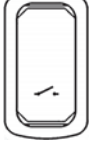
Part no.	Pk.	Function 79
2AA 354 100-751	1	Indicator light for symbol fields 1 and 2, green



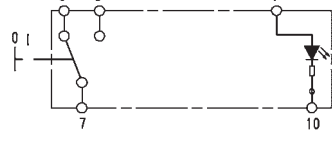
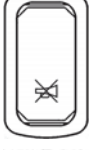
Part no.	Pk.	Function 07
6FH 354 100-741	1	Change-over, key, 1-pole, 1-stage



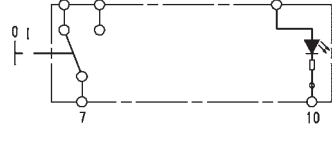
Part no.	Pk.	Function 79
2AA 354 100-761	1	Indicator light for symbol fields 1 and 2, green



Part no.	Pk.	Function 00
6FH 354 101-401	1	Change-over, locking, 1-pole, 1-stage



Part no.	Pk.	Function 07
6FH 354 101-271	1	Change-over, key, 1-pole, 1-stage



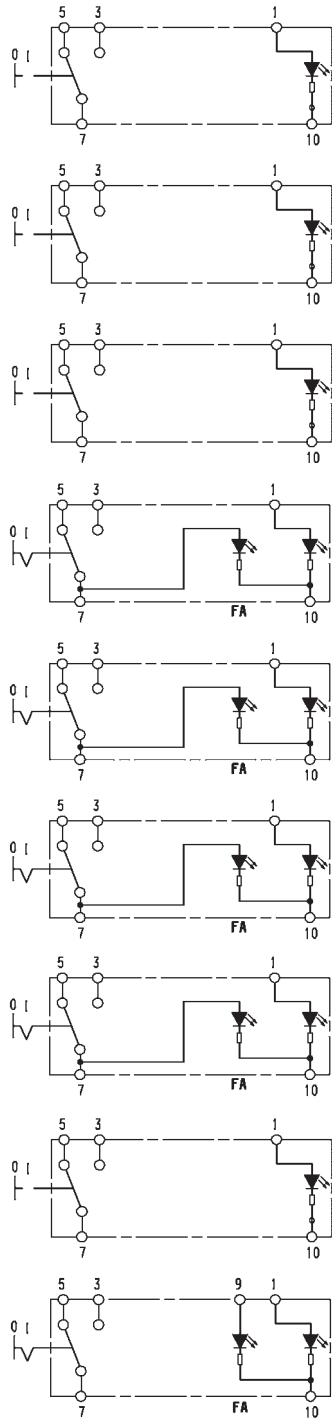
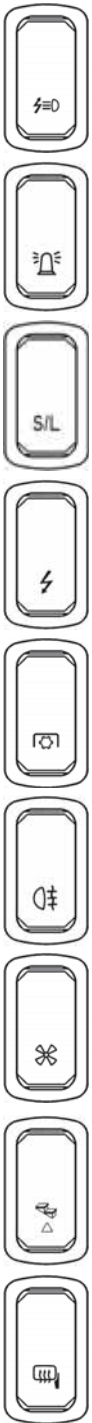
Part no.	Pk.	Function 07
6FH 354 101-261	1	Change-over, key, 1-pole, 1-stage

Universal flush-fit switches

Small range of customer's favorites

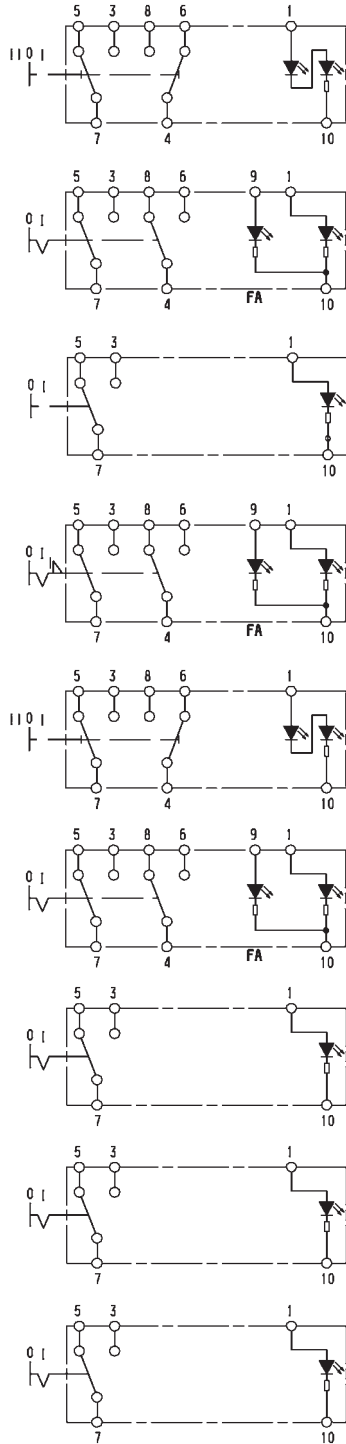


Module switches, 12V



Part no.	Pk.	Function
6FH 354 101-231	1	Function 07
		Change-over, key, 1-pole, 1-stage
6FH 354 101-241	1	Function 07
		Change-over, key, 1-pole, 1-stage
6FH 354 101-281	1	Function 07
		Change-over, key, 1-pole, 1-stage
6FH 354 103-671	1	Function 01
		Change-over, locking, 1-pole, 1-stage
6FH 354 103-621	1	Function 01
		Change-over, locking, 1-pole, 1-stage
6FH 354 103-601	1	Function 01
		Change-over, locking, 1-pole, 1-stage
6FH 354 103-611	1	Function 01
		Change-over, locking, 1-pole, 1-stage.
6FH 354 100-682	12	Function 07
		Change-over, key, 1-pole, 1-stage
6FH 354 103-922	12	Function 08
		Change-over, locking, 1-pole, 1-stage

Module switches, 24V



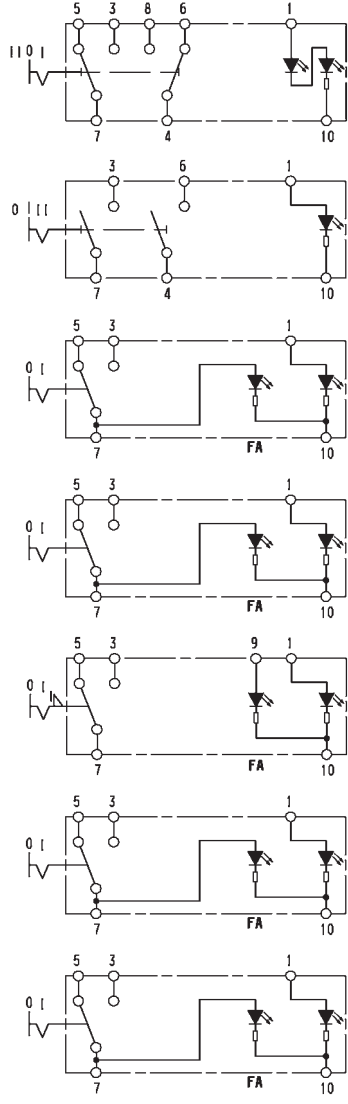
Part no.	Pk.	Function
6FH 354 101-922	12	Function 15
		Change-over, key, 2 x 1-pole, 2-stage
6FH 354 102-992	12	Function 11
		Change-over, locking, 2-pole, 1-stage
6FH 354 102-972	12	Function 07
		Change-over, key, 1-pole, 1-stage
6FH 354 103-002	12	Function 12
		Change-over, locking, locking function, 2-pole, 1-stage
6FH 354 102-441	1	Function 15
		Change-over, key, 2 x 1-pole, 2-stage
6FH 354 102-401	1	Function 11
		Change-over, locking, 2-pole, 1-stage
6FH 354 104-212	12	Function 00
		Change-over, locking, 1-pole, 1-stage
6FH 354 104-222	12	Function 00
		Change-over, locking, 1-pole, 1-stage
6FH 354 104-232	12	Function 00
		Change-over, locking, 1-pole, 1-stage

Universal flush-fit switches

Small range of customer's favorites



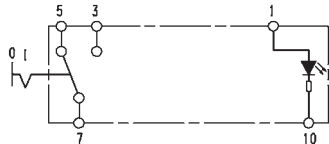
Module switches, 24V



Part no.	Pk.	Function
6FH 354 104-242	12	Function 14 Change-over, locking, 2 x 1-pole, 2-stage
6FH 354 100-521	1	Function 24 Normally open, locking, 2 x 1-pole, 2-stage
6FH 354 100-831	1	Function 01 Change-over, locking, 1-pole, 1-stage
6FH 354 102-301	1	Function 01 Change-over, locking, 1-pole, 1-stage
6FH 354 103-251	1	Function 09 Change-over, locking, locking function, 1-pole, 1-stage
6FH 354 101-651	1	Function 01 Change-over, locking, 1-pole, 1-stage.
6FH 354 102-261	1	Function 01 Change-over, locking, 1-pole, 1-stage

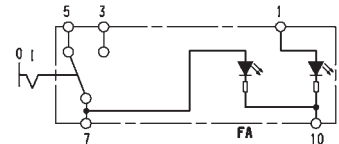
Function 00

**Change-over, locking,
1-pole, 1-stage.**
1 x Symbol illumination



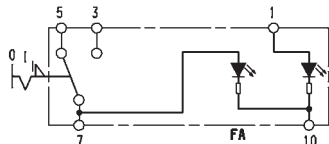
Function 01

**Change-over, locking,
1-pole, 1-stage.**
1 x Symbol illumination
1 x function indication, internal



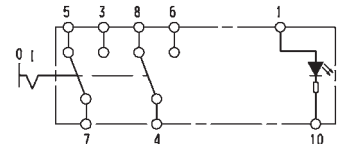
Function 02

**Change-over, locking,
locking function, 1-pole, 1-stage**
1 x Symbol illumination
1 x function indication, internal



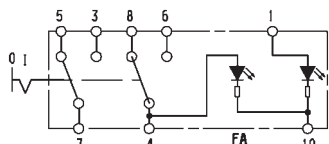
Function 03

**Change-over, locking,
2-pole, 1-stage**
1 x Symbol illumination



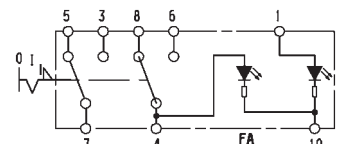
Function 04

**Change-over, locking,
2-pole, 1-stage**
1 x Symbol illumination
1 x function indication, internal



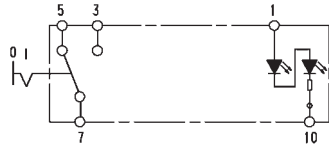
Function 05

**Change-over, locking,
locking function, 2-pole, 1-stage**
1 x Symbol illumination
1 x function indication, internal



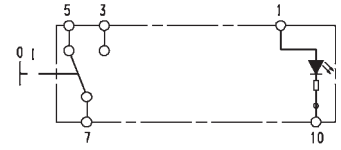
Function 06

**Change-over, locking,
1-pole, 1-stage.**
2 x Symbol illumination



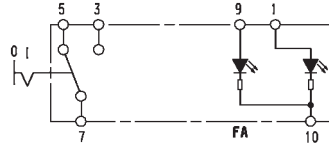
Function 07

**Change-over, key,
1-pole, 1-stage**
1 x Symbol illumination



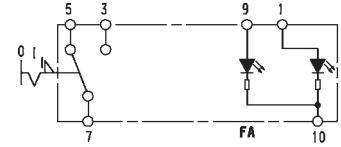
Function 08

**Change-over, locking,
1-pole, 1-stage.**
1 x symbol illumination
1 x function indication, external



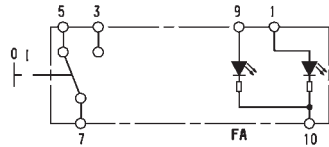
Function 09

**Change-over, locking,
locking function, 1-pole, 1-stage**
1 x symbol illumination
1 x function indication, external



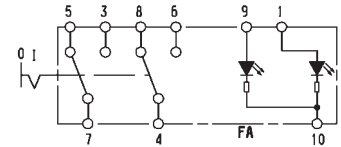
Function 10

**Change-over, key,
1-pole, 1-stage**
1 x symbol illumination
1 x function indication, external



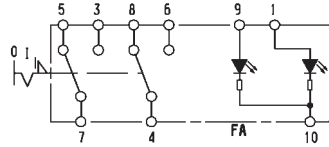
Function 11

**Change-over, locking,
2-pole, 1-stage**
1 x symbol illumination
1 x function indication, external



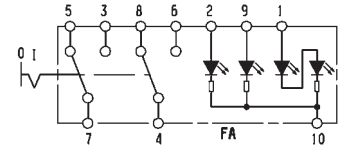
Function 12

**Change-over, locking,
locking function, 2-pole, 1-stage**
1 x symbol illumination
1 x function indication, external



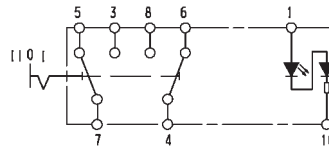
Function 13

**Change-over, locking,
2-pole, 1-stage**
2 x symbol illumination:
2 x function indication, external



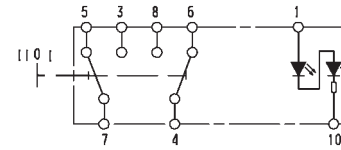
Function 14

**Change-over, locking,
2 x 1-pole, 2-stage**
2 x Symbol illumination



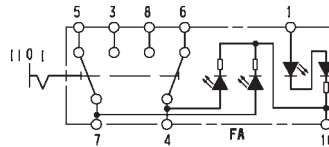
Function 15

**Change-over, key,
2 x 1-pole, 2-stage**
2 x Symbol illumination



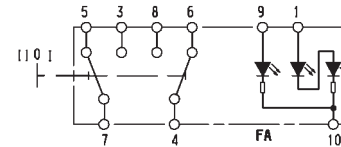
Function 16

**Change-over, locking,
2 x 1-pole, 2-stage**
2 x Symbol illumination
2 x function indication, internal



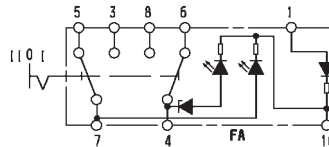
Function 17

**Change-over, key,
2 x 1-pole, 2-stage**
2 x Symbol illumination
1 x function indication, external



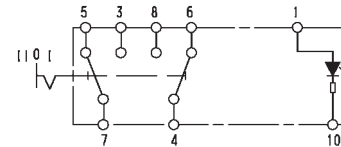
Function 18

**Change-over, locking,
2 x 1-pole, 2-stage**
1 x Symbol illumination
2 x function indication, internal



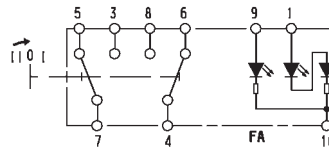
Function 19

**Change-over, locking,
2 x 1-pole, 2-stage**
1 x Symbol illumination



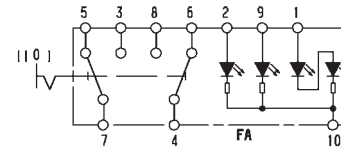
Function 20

**Change-over,
locking (I), key (II),
2 x 1-pole, 2-stage**
2 x Symbol illumination:
1 x function indication, external



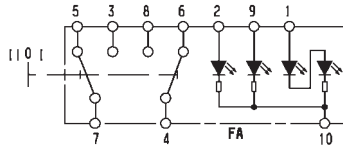
Function 21

**Change-over, locking,
2 x 1-pole, 2-stage**
2 x Symbol illumination
2 x function indication, external



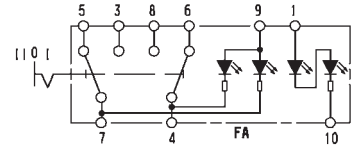
Function 22

**Change-over, key,
2 x 1-pole, 2-stage**
2 x Symbol illumination
2 x function indication, external



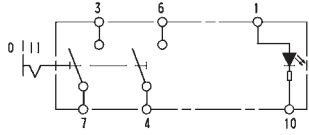
Function 23

**Change-over, locking,
2 x 1-pole, 2-stage**
2 x Symbol illumination
2 x function indication, internal



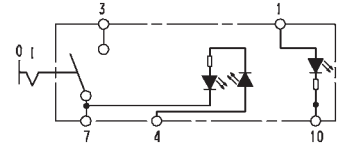
Function 24

**Normally open, locking,
2 x 1-pole, 2-stage**
1 x Symbol illumination



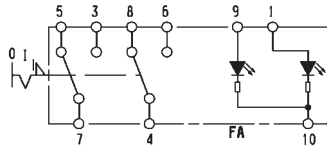
Function 25

**Normally open, locking,
Hazard warning switch,
1-pole, 1-stage**
1 x Symbol illumination
2 x Function indication, internal



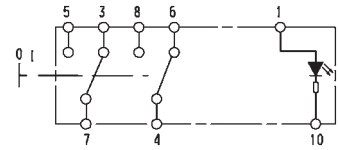
Function 28

**Change-over, locking,
locking function, Yellow cap,
2-pole, 1-stage**
1 x symbol illumination
1 x function indication, external



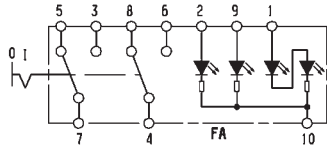
Function 29

**Change-over, key,
2-pole, 1-stage**
1 x Symbol illumination



Function 30

**Change-over, locking,
Hazard warning switch,
2-pole, 1-stage**
2 x Symbol illumination
2 x function indication, external



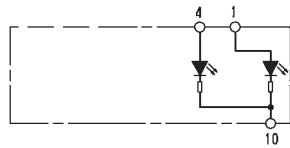
Function 78

Indicator light green
1 x Symbol illumination



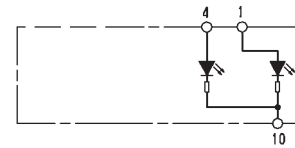
Function 79

Indicator light green
2 x Symbol illumination



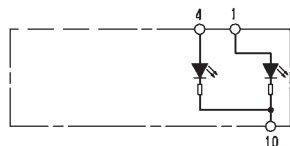
Function 80

Indicator light blue.
2 x Symbol illumination



Function 81

Indicator light orange.
2 x Symbol illumination



Modular mounting-panel system

Black. 2 end pieces and 1 middle piece are needed to make a mounting panel. By adding middle pieces, this panel can be extended as required.



Part no.	Pk.	
9AR 168 396-002	10	Single frame
9AR 168 396-007	200	
9AR 169 208-002	10	Middle piece
9AR 169 208-007	200	
9AR 169 209-002	10	End piece, left
9AR 169 209-007	100	
9AR 169 210-002	10	End piece, right
9AR 169 210-007	200	

Cover plug

Black. For closing empty switch apertures in mounting panel.



Part no.	Pk.	
9HB 172 229-002	10	Cover plug
9HB 172 229-007	52	

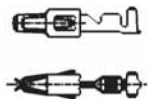
Socket housing

White.



Part no.	Pk.	
8JD 010 076-002	10	Socket, 10-pole
8JD 010 076-007	440	

Junior Power Timer



Part no.	Pk.	
8KW 863 934-003	50	Cable section: 0.5 - 1.0 sq. mm. Size of blade terminal: 2.8 x 0.8 sq. mm. Blade receptacle CuSn/Sn
8KW 863 934-023	50	Cable section: 1.0 - 2.5 sq. mm. Size of blade terminal: 2.8 x 0.8 sq. mm. Blade receptacle CuSn/Sn
8KW 863 934-024	1000	

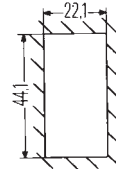
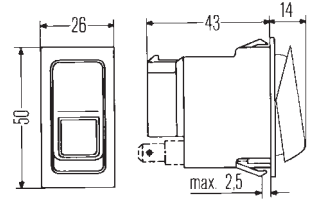
Universal flush-fit switches



The HELLA switch series 004 570 / 008 910 have been designed for interior use in commercial vehicles and cars. The model series make use of common standards in vehicle construction. The advantages of the HELLA model series are their modular design and high switching performance.

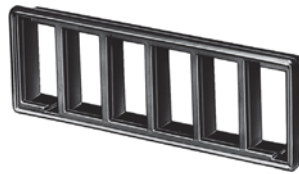
Available are:

- > Complete automotive functional range (standards and specified functions)
- > One-stage and two-stage switches
- > One circuit and two circuits
- > Push button or locking keys
- > Effective locking system
- > 12V/24V versions
- > LED-technology and bulbs
- > A range of symbol panels can be clipped in place
- > Both original equipment and retrofitting are possible thanks to standardised mounting opening 41.1 x 2.2 mm and mounting frame



Examples of symbols
see page 3.37 - 3.52

Accessories
see page 3.35 - 3.36



Technical details:

Housing, flush-fit accessories:	Plastic, black nobbing
Functional range:	-35 °C to +65 °C
Storage ability:	-40 °C to +90 °C
Protection system:	Suitable for interiors acc. to IP6 (DIN 40050)
Permissible drop in voltage:	before endurance run max. 10mV/A after endurance run max. 20mV/A
Bulb:	W5/1.2 12V/24V, DIN 72601
Dashboard thickness:	1 - 2.5 mm
Contacting:	Blade terminal contacts 6.3 mm, DIN 46244, fed out of the switch housing

Load values (without load):

Test voltage 13.5V

Amp.	Service life
6	250.000 switch positions
10	150.000 switch positions
16	20.000 switch positions

Test voltage 27.5V

Amp.	Service life
3	150.000 switch positions
5	100.000 switch positions
8	20.000 switch positions

Switching forces

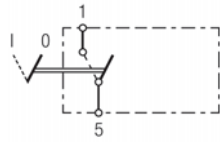
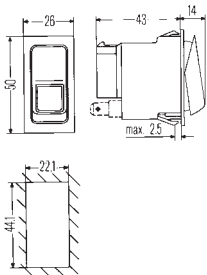
1-stage	0-I 0-I; I-0 = 6N±3N	2-stage	0-I-II 0-I; II-I=6N±3N I-0; I-II= 11N±4N	2-stage	I-0-II I-0; II-0=5N±2N 0-I; 0-II=11N±4N
Key contact:	8N±3N				

For types 6HH 007 832-28/-29/-30/-32/-59/-64/-66/-71/-72/-77 (Hazard flasher switch) the following is valid:

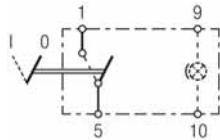
Load values at:

12V/24V:	10A = 10,000 switch positions
Switching forces:	0-I; I-0=8N±3N
Max. load:	12V 16A; 24V 8A

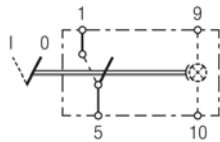
Locking, 1-stage, with one circuit



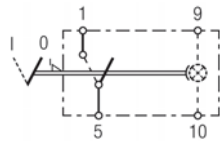
Part no.	Pk.	
6EH 007 832-001	1	Without location light



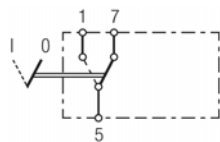
Part no.	Pk.	
6EH 007 832-011	1	Suitable for use with location light
6EH 007 832-012	12	Pro-fit-pack



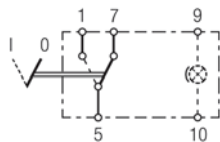
Part no.	Pk.	
6EH 007 832-021	1	Suitable for use with location light and pilot light
6EH 007 832-027	50	
6EH 007 832-022	12	Pro-fit-pack



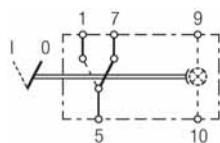
Part no.	Pk.	
6EH 007 832-041	1	Suitable for use with location light and pilot light, with mechanism for blocking operation



Part no.	Pk.	
6FH 007 832-051	1	Without location light

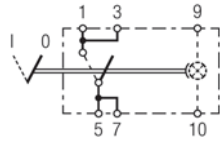


Part no.	Pk.	
6FH 007 832-061	1	Suitable for use with location light
6FH 007 832-067	50	



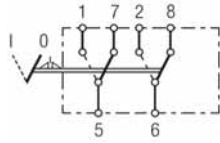
Part no.	Pk.	
6FH 007 832-081	1	Suitable for use with location light and pilot light
6FH 007 832-087	50	

Locking, 1-stage, with one circuit

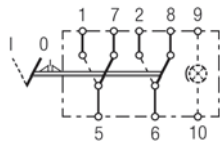


Part no.	Pk.	
6EH 007 832-611	1	Suitable for use with location light and pilot light

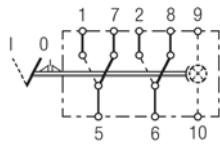
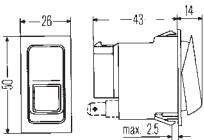
Locking, 1-stage, with two circuits



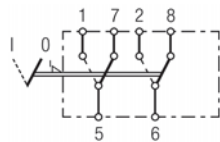
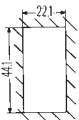
Part no.	Pk.	
6EH 007 832-601	1	Without location light, with two mechanisms for blocking operation



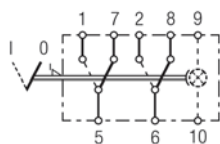
Part no.	Pk.	
6EH 007 832-671	1	Suitable for use with location light, with two mechanisms for blocking operation



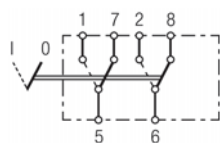
Part no.	Pk.	
6EH 007 832-751	1	Suitable for use with location light and pilot light, with two mechanisms for blocking operation



Part no.	Pk.	
6RH 008 948-012	1	Without location light, with mechanism for blocking operation

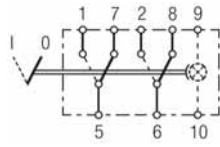


Part no.	Pk.	
6RH 007 832-491	1	Suitable for use with location light and pilot light, with mechanism for blocking operation



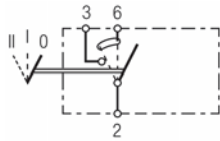
Part no.	Pk.	
6FH 007 832-121	1	Without location light
6FH 007 832-127	50	

Locking, 1-stage, with two circuits

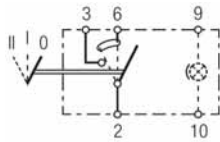


Part no.	Pk.	
6FH 007 832-101	1	Suitable for use with location light and pilot light
6FH 007 832-107	50	

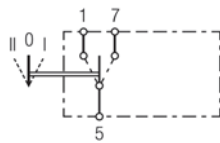
Locking, 2-stage, with one circuit



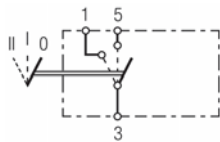
Part no.	Pk.	
6RH 007 832-431	1	Without location light, combination switch



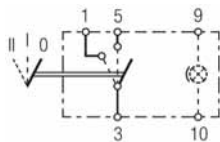
Part no.	Pk.	
6RH 007 832-441	1	Suitable for use with location light, combination switch



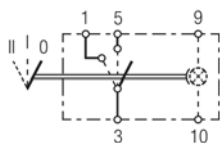
Part no.	Pk.	
6FH 007 832-131	1	Without location light



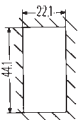
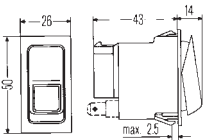
Part no.	Pk.	
6RH 007 832-331	1	Without location light



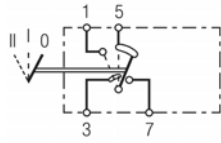
Part no.	Pk.	
6RH 007 832-341	1	Suitable for use with location light



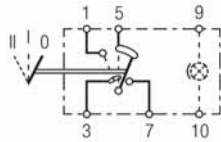
Part no.	Pk.	
6RH 007 832-351	1	Suitable for use with location light and pilot light



Locking, 2-stage, with one circuit



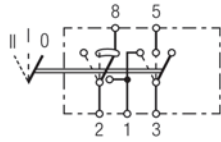
Part no.	Pk.	
6FH 007 832-511	1	Without location light, combination switch



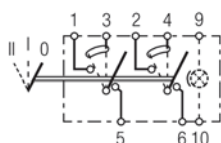
Part no.	Pk.	
6RH 007 832-391	1	Suitable for use with location light, combination switch



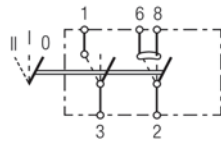
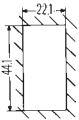
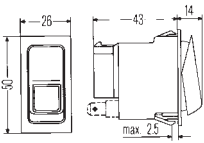
Locking, 2-stage, with two circuits



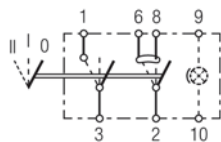
Part no.	Pk.	
6RH 007 832-761	1	Without location light, combination switch



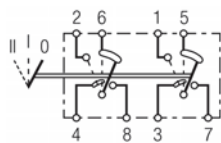
Part no.	Pk.	
6RH 007 832-681	1	Suitable for use with location light, combination switch



Part no.	Pk.	
6RH 007 832-451	1	Without location light, combination switch

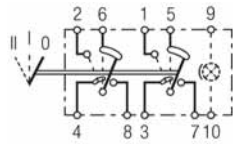


Part no.	Pk.	
6RH 007 832-461	1	Suitable for use with location light, combination switch
6RH 007 832-467	50	

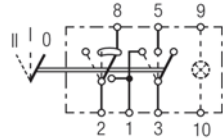


Part no.	Pk.	
6RH 007 832-381	1	Without location light, combination switch

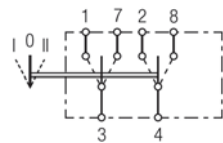
Locking, 2-stage, with two circuits



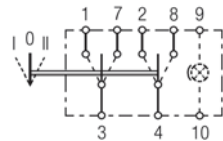
Part no.	Pk.	
6RH 007 832-741	1	Suitable for use with location light, combination switch



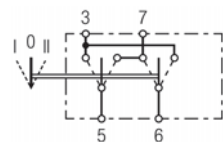
Part no.	Pk.	
6RH 007 832-797	50	Suitable for use with location light and pilot light, combination switch



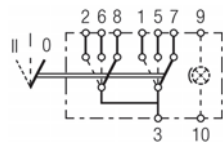
Part no.	Pk.	
6FH 007 832-161	1	Without location light



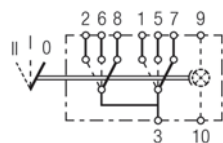
Part no.	Pk.	
6FH 007 832-151	1	Suitable for use with location light



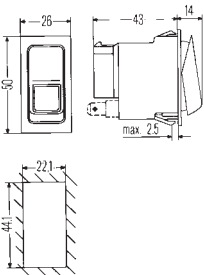
Part no.	Pk.	
6RH 007 832-481	1	Without location light



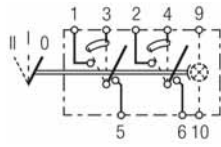
Part no.	Pk.	
6RH 007 832-701	1	Suitable for use with location light



Part no.	Pk.	
6RH 007 832-731	1	Suitable for use with location light and pilot light

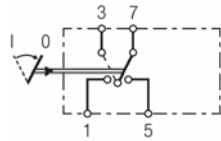


Locking, 2-stage, with two circuits

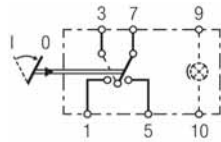


Part no.	Pk.	
6RH 007 832-377	1	Suitable for use with location light and pilot light, combination switch

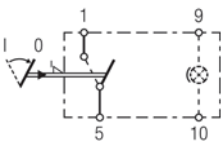
Key, 1-stage, with one circuit



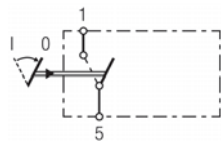
Part no.	Pk.	
6GM 007 832-211	1	Without location light



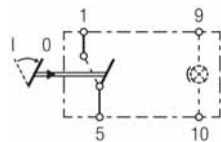
Part no.	Pk.	
6GM 007 832-221	1	Suitable for use with location light



Part no.	Pk.	
6GM 007 832-271	1	Suitable for use with location light, with mechanism for blocking operation

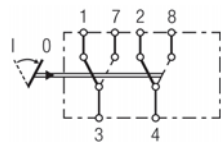


Part no.	Pk.	
6GM 007 832-181	1	Without location light

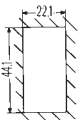
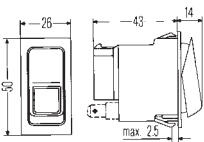


Part no.	Pk.	
6GM 007 832-191	1	Suitable for use with location light
6GM 007 832-197	50	

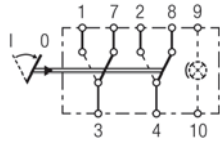
Key, 1-stage, with two circuits



Part no.	Pk.	
6GM 007 832-521	1	Without location light

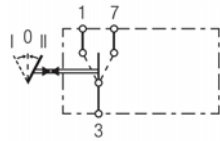


**Key,
1-stage, with two circuits**

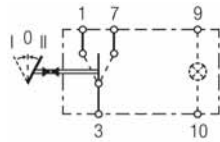


Part no.	Pk.	
6FH 007 832-621	1	Suitable for use with location light

**Key,
2-stage, with one circuit**

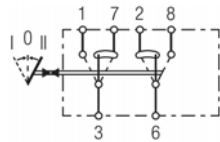
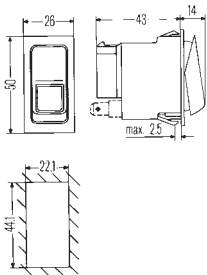


Part no.	Pk.	
6GM 007 832-231	1	Without location light

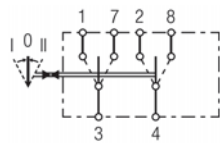


Part no.	Pk.	
6GM 007 832-241	1	Suitable for use with location light

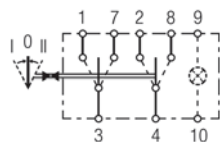
**Key,
2-stage, with two circuit**



Part no.	Pk.	
6GM 007 832-631	1	Without location light

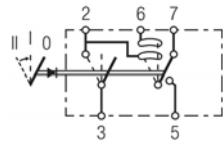


Part no.	Pk.	
6GM 007 832-261	1	Without location light

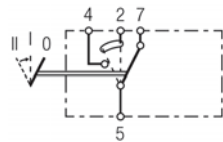


Part no.	Pk.	
6GM 007 832-251	1	Suitable for use with location light

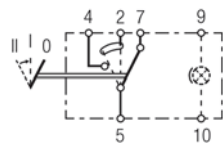
Key, 2-stage, with one circuit



Part no.	Pk.	
6RH 008 948-002	1	Without location light, 2nd stage key, combination switch



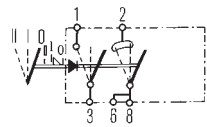
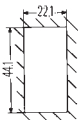
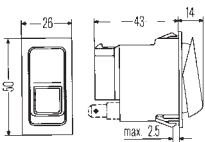
Part no.	Pk.	
6RH 007 832-551	1	Without location light, 2nd stage key, combination switch



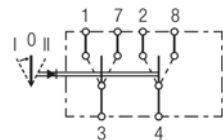
Part no.	Pk.	
6RH 007 832-411	1	Suitable for use with location light, 2nd stage key, combination switch



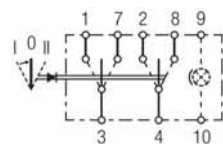
Key, 2-stage, with two circuit



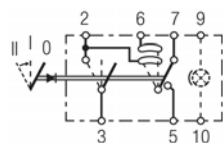
Part no.	Pk.	
6RH 007 832-651	1	Suitable for use with location light and pilot light, with mechanism for blocking operation, 2nd stage key, combination switch



Part no.	Pk.	
6FH 007 832-171	1	Without location light

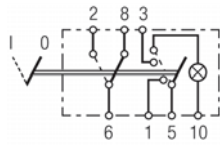


Part no.	Pk.	
6FH 008 948-022	1	Suitable for use with location light

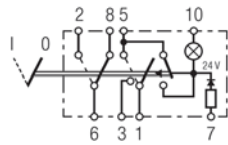


Part no.	Pk.	
6RH 007 832-421	1	Suitable for use with location light, combination switch

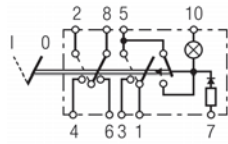
Hazard flasher switch



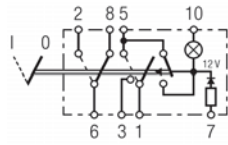
Part no.	Pk.	
6HH 007 832-281	1	With 12V bulb and location light



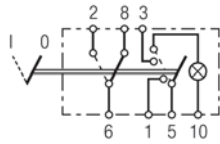
Part no.	Pk.	
6HH 007 832-297	1	With 24V bulb, location light and pilot light



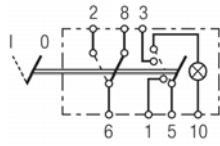
Part no.	Pk.	
6HH 007 832-301	1	With 24V bulb, location light and pilot light



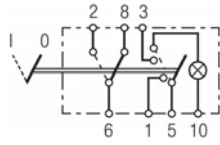
Part no.	Pk.	
6HH 007 832-321	1	With 12V bulb, with location light and pilot light
6HH 007 832-807	50	red push-button



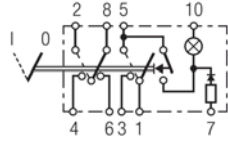
Part no.	Pk.	
6HH 007 832-591	1	With 24V bulb and pilot light



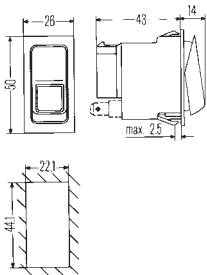
Part no.	Pk.	
6HH 007 832-641	1	With 24V bulb, with location light and red push-button

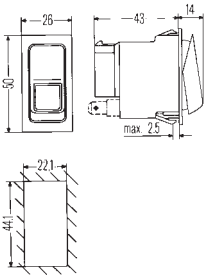


Part no.	Pk.	
6HH 007 832-661	1	With 12V bulb, with pilot light, red push-button

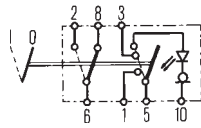


Part no.	Pk.	
6HH 007 832-771	1	With 12V bulb, with location light and pilot light

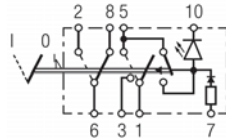




Hazard flasher switch



Part no.	Pk.	
6HH 007 832-711	1	With LED 12V - 32V, with location light

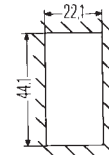
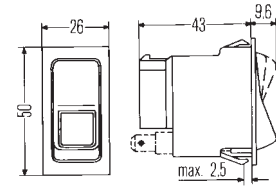


Part no.	Pk.	
6HH 007 832-721	1	With LED 12V - 32V, with location light and pilot light, with mechanism for blocking operation on.

The module switch series 004 570 / 008 910 have been designed for interior use in commercial vehicles and cars. The model series make use of common standards in vehicle construction. The advantages of the HELLA model series are their modular design and high switching performance.

Available are:

- > Complete automotive functional range (standards and specified functions)
- > One-stage and two-stage switches
- > One circuit and two circuits
- > Push button or locking keys
- > Effective locking system
- > 12V/24V versions
- > LED-technology and bulbs
- > A range of symbol panels can be clipped in place
- > Both original equipment and retrofitting are possible thanks to standardised mounting opening 41.1 x 2.2 mm and mounting frame.



Examples of symbols see page 3.37-3.52



Accessories see page 3.35-3.36



Technical details:

Housing, flush-fit accessories:

Plastic, black nobbing

Functional range:

-35 °C to +65 °C

Storage ability:

-40 °C to +90 °C

Type of protection:

Suitable for interiors acc. to IP6X (DIN 40050)

Permissible drop in voltage:

before endurance run max. 10mV/A
after endurance run max. 20mV/A

Bulb:

W5/1,2 12V/24V, DIN 72601

Dash board thickness:

1 - 2,5 mm

Contacting

Blade terminal contacts 6,3 mm, DIN 46244, fed out of the switch housing

Load values (without load):

Test voltage 13.5V

Amp.	Service life
6	250.000 switch positions
10	150.000 switch positions
16	20.000 switch positions

Test voltage 27.5V

Amp.	Service life
3	150.000 switch positions
5	100.000 switch positions
8	20.000 switch positions

Switching forces 1-stage:

0-I
0-I; I-0 = 6N±3N
Contacting: 8N±3N

Switching forces 2-stage:

0-I-II
0-I; II-I=6N±3N
I-0; I-II= 11N±4N
I-0-II
I-0; II-0=5N±2N
0-I; 0-II=11N±4N

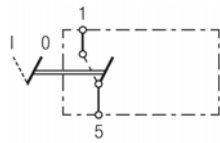
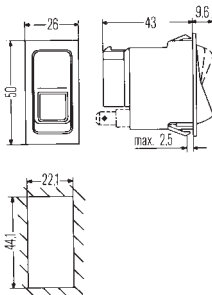
For types 004 570-43/-45/-47/-48/-49/-58/-59 the following is valid:

Load values at:

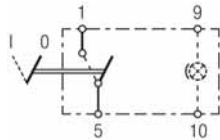
12V/24V:
Switching forces:
Max. load:

10A = 10,000 switch positions
0-I; I-0=8N±3N
12V 16A; 24V 8A

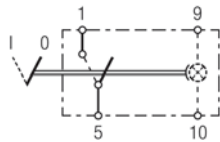
Locking, 1-stage, with one circuit



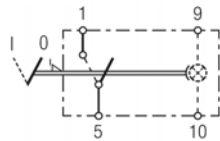
Part no.	Pk.	
6EH 004 570-001	1	Without location light



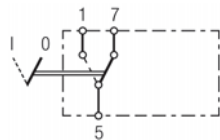
Part no.	Pk.	
6EH 004 570-011	1	Suitable for use with location light



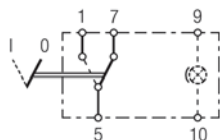
Part no.	Pk.	
6EH 004 570-021	1	Suitable for use with location light and pilot light
6EH 004 570-027	50	



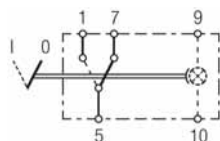
Part no.	Pk.	
6EH 004 570-621	1	Suitable for use with location light and pilot light, with mechanism for blocking operation



Part no.	Pk.	
6FH 004 570-101	1	Without location light

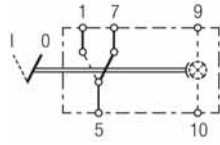


Part no.	Pk.	
6FH 004 570-111	1	Suitable for use with location light

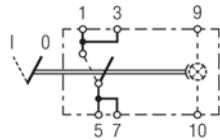


Part no.	Pk.	
6FH 004 570-121	1	Suitable for use with location light and pilot light
6FH 004 570-127	50	

Locking, 1-stage, with one circuit



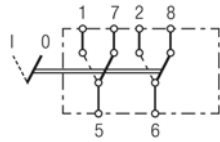
Part no.	Pk.	
6FH 004 570-777	50	Suitable for use with location light and pilot light, with gold-plated contacts



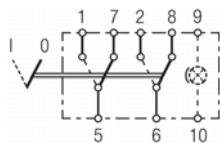
Part no.	Pk.	
6EH 004 570-681	1	Suitable for use with location light and pilot light



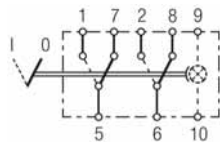
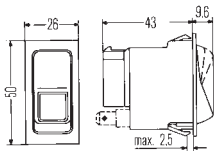
Locking, 1-stage, with two circuits



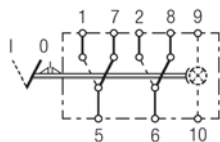
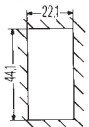
Part no.	Pk.	
6FH 004 570-501	1	Without location light



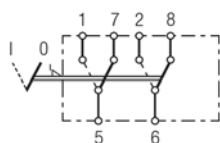
Part no.	Pk.	
6FH 004 570-341	1	Suitable for use with location light



Part no.	Pk.	
6FH 004 570-131	1	Suitable for use with location light and pilot light
6FH 004 570-137	50	

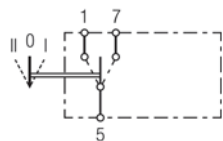


Part no.	Pk.	
6EH 004 570-641	1	Suitable for use with location light and pilot light, with two mechanisms for blocking operation
6EH 004 570-647	50	

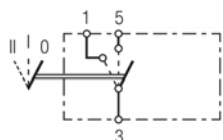


Part no.	Pk.	
6RH 008 910-011	1	Without location light, with mechanism for blocking operation, with gold-plated contacts

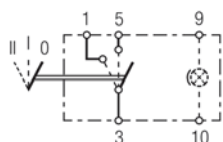
Locking, 2-stage, with one circuit



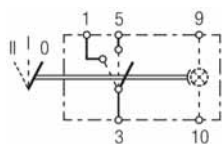
Part no.	Pk.	
6FH 004 570-511	1	Without location light
6FH 004 570-517	50	



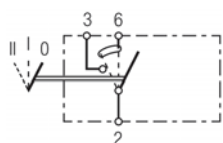
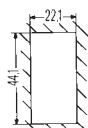
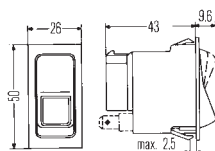
Part no.	Pk.	
6RH 004 570-151	1	Without location light



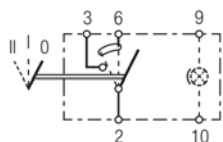
Part no.	Pk.	
6RH 004 570-161	1	Suitable for use with location light



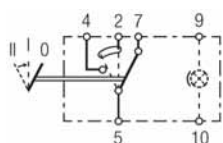
Part no.	Pk.	
6RH 004 570-171	1	Suitable for use with location light and pilot light
6RH 004 570-177	50	



Part no.	Pk.	
6RH 004 570-351	1	Without location light, combination switch

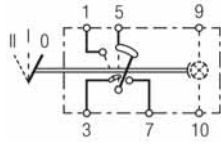


Part no.	Pk.	
6RH 004 570-361	1	Suitable for use with location light, combination switch



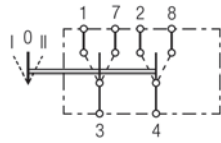
Part no.	Pk.	
6RH 004 570-311	1	Suitable for use with location light, 2nd stage key, combination switch

Locking, 2-stage, with one circuit

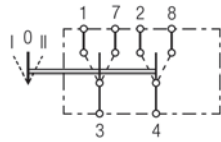


Part no.	Pk.	
6RH 004 570-261	1	Suitable for use with location light, combination switch
6RH 004 570-267	50	

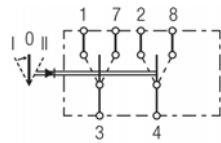
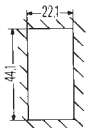
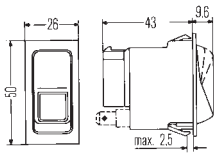
Locking, 2-stage, with two circuits



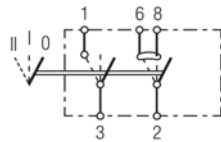
Part no.	Pk.	
6FH 004 570-531	1	Without location light



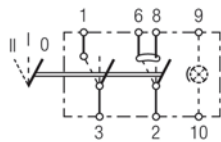
Part no.	Pk.	
6FH 004 570-521	1	Suitable for use with location light



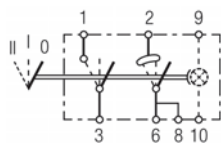
Part no.	Pk.	
6FH 004 570-541	1	Without location light, 1st stage key



Part no.	Pk.	
6RH 004 570-401	1	Without location light, combination switch

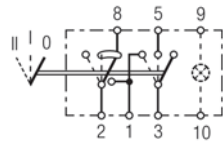


Part no.	Pk.	
6RH 004 570-411	1	Suitable for use with location light, combination switch
6RH 004 570-417	50	

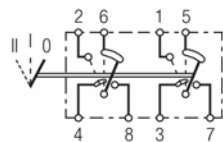


Part no.	Pk.	
6RH 008 910-022	10	Suitable for use with location light and pilot light, combination switch

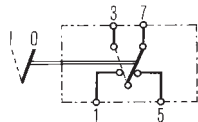
Locking, 2-stage, with two circuits



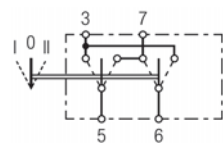
Part no.	Pk.	
6RH 008 910-037	50	Suitable for use with location light, combination switch



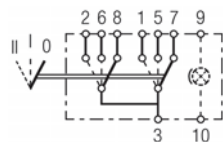
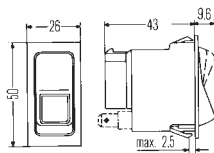
Part no.	Pk.	
6RH 004 570-191	1	Without location light, combination switch



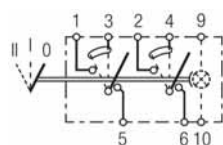
Part no.	Pk.	
6RH 004 570-382	10	Suitable for use with location light and pilot light, combination switch



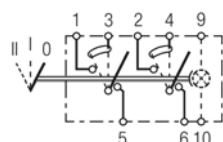
Part no.	Pk.	
6RH 004 570-751	1	Without location light



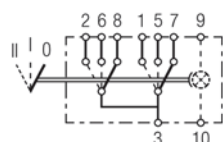
Part no.	Pk.	
6RH 004 570-371	1	Suitable for use with location light



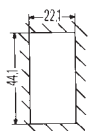
Part no.	Pk.	
6RH 004 570-187	1	Suitable for use with location light and pilot light, combination switch



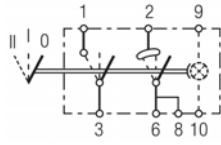
Part no.	Pk.	
6RH 004 570-787	1	Suitable for use with location light and pilot light, gold-plated contacts, combination switch



Part no.	Pk.	
6RH 004 570-321	1	Suitable for use with location light and pilot light

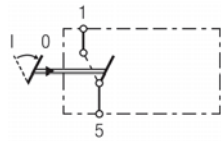


Locking, 2-stage, with two circuits

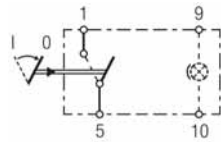


Part no.	Pk.	
6RH 004 570-671	1	Suitable for use with location light and pilot light, combination switch

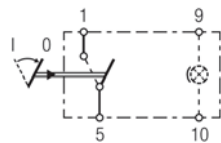
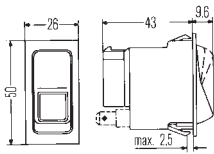
Key, 1-stage, with one circuit



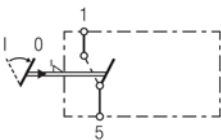
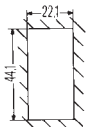
Part no.	Pk.	
6GM 004 570-051	1	Without location light



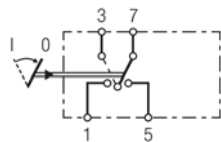
Part no.	Pk.	
6GM 004 570-061	1	Suitable for use with location light
6GM 004 570-067	50	



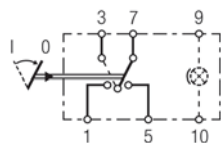
Part no.	Pk.	
6GM 004 570-767	1	Suitable for use with location light, gold-plated contacts



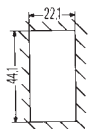
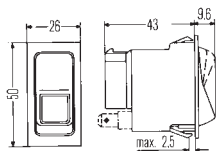
Part no.	Pk.	
6GM 004 570-691	1	Without location light, with mechanism for blocking operation



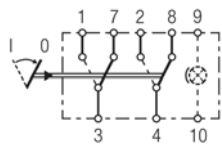
Part no.	Pk.	
6GM 004 570-071	1	Without location light



Part no.	Pk.	
6GM 004 570-081	1	Suitable for use with location light

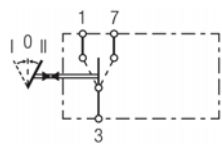


Key, 1-stage, with two circuits

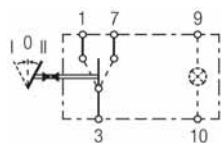


Part no.	Pk.	
6FH 004 570-571	1	Suitable for use with location light
6FH 004 570-577	50	

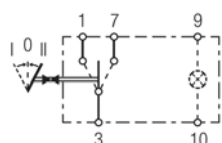
Key, 2-stage, with one circuit



Part no.	Pk.	
6GM 004 570-201	1	Without location light

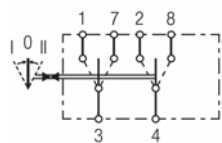


Part no.	Pk.	
6GM 004 570-211	1	Suitable for use with location light

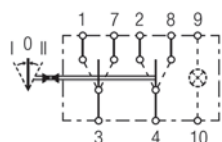


Part no.	Pk.	
6GM 004 570-797	50	Suitable for use with location light, gold-plated contacts

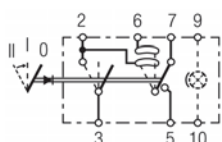
Key, 2-stage, with two circuit



Part no.	Pk.	
6GM 004 570-231	1	Without location light

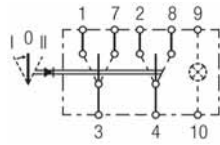


Part no.	Pk.	
6GM 004 570-221	1	Suitable for use with location light
6GM 004 570-227	50	

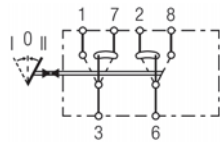


Part no.	Pk.	
6RH 004 570-331	1	Suitable for use with location light, 2nd stage key, combination switch

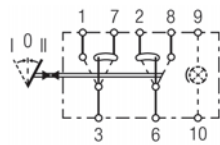
Key, 2-stage, with two circuit



Part no.	Pk.	
6FH 004 570-241	1	Suitable for use with location light, 1st stage key, 2nd stage locking

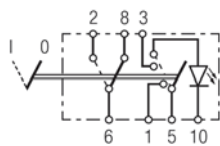
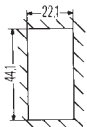
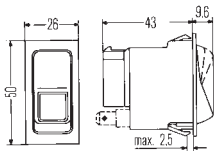


Part no.	Pk.	
6GM 004 570-271	1	Without location light, key, combination switch

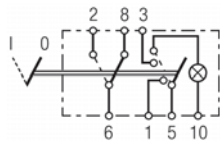


Part no.	Pk.	
6GM 004 570-297	50	Suitable for use with location light, key, combination switch

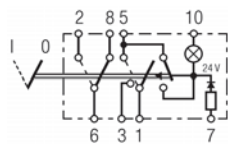
Hazard flasher switch



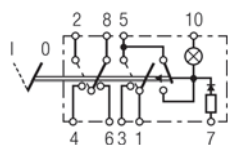
Part no.	Pk.	
6HH 004 570-431	1	With LED 12V - 32V, with location light



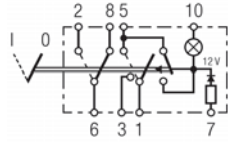
Part no.	Pk.	
6HH 004 570-451	1	With 12V-bulb, with location light



Part no.	Pk.	
6HH 004 570-477	1	With 24V bulb, location light and pilot light

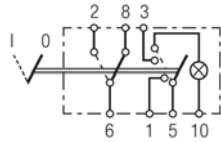
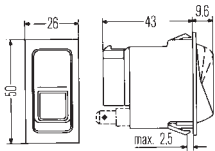


Part no.	Pk.	
6HH 004 570-481	1	With 24V bulb, location light and pilot light

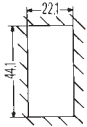


Hazard flasher switch

Part no.	Pk.	
6HH 004 570-491	1	With 12V bulb, with location light and pilot light

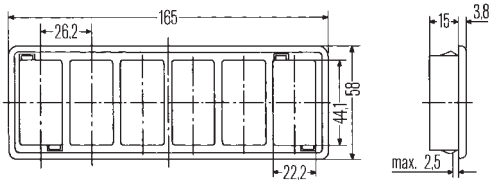
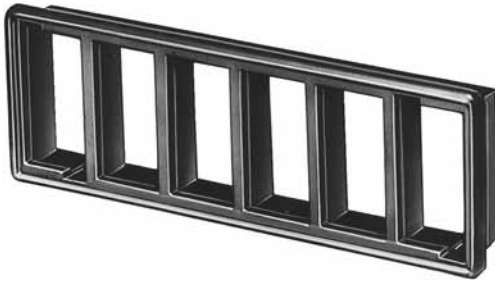


Part no.	Pk.	
6HH 004 570-591	1	With 24V-bulb, with location light, red push-button



Mounting panels

Black.

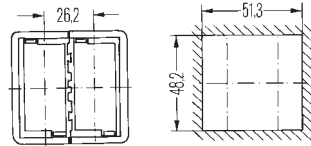
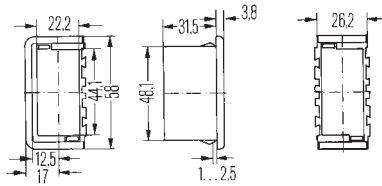


Part no.	Pk.	
8HG 713 626-001	12	Mounting aperture: 156.1 x 48.2 mm.
		Mounting panel for 6 switches
8HG 714 504-001	24	Mounting aperture: 77.6 x 48.2 mm.
		Mounting panel for 3 switches

Modular mounting-panel system

Black.

2 end pieces and 1 middle piece are needed to make a mounting panel. By adding middle pieces, this panel can be extended as required.



Part no.	Pk.	
8HG 716 734-001	10	End piece
8HG 716 734-007	200	
8HG 716 735-001	1	Middle piece
8HG 716 735-007	200	

Cover plug

For closing empty switch apertures in mounting panel.



Part no.	Pk.	
9HB 713 629-001	10	Plug

Socket housing



Part no.	Pk.	
8JA 713 631-001	10	Socket, 8-pole
8JA 713 631-007	1000	

Accessories for switches in model range

007 832 / 008 948 / 004 570 / 008 910



Warning lights for switches 007 832-... and 008 948-...

Part no.	Pk.	
2AA 713 628-021	10	with 12V bulb
2AA 713 628-031	10	with 24V bulb
2AA 713 628-041	10	with LEDs, 12V and 24V



Warning lights for switches 004 570-... and 008 910-...

Part no.	Pk.	
2AA 713 628-001	10	with 12V bulb
2AA 713 628-011	10	with 24V bulb
2AA 713 628-051	10	with LEDs, 12V and 24V
8GP 002 095-121	10	Spare parts: W5/1.2 bulb, 12V1.2W
8GP 002 095-241	10	



Bulb holders

Part no.	Pk.	
		Bulb holders for warning lights. Changeable against bulb holder with LEDs,
9FF 713 627-001	10	with 12V bulb
9FF 713 627-011	10	with 24V bulb
8GP 002 095-121	10	Spare parts: W5/1.2 bulb, 12V1.2W
8GP 002 095-241	10	
		Bulb holders with LEDs, 12V and 24V
9FF 713 627-031	10	for warning lights with 5 mm dia. LEDs



Socket housing

Part no.	Pk.	
		for bulb holders
8JA 715 600-001	10	Socket, 2-pole



Light	Part no.	Symbol	Colour		Light	Part no.	Symbol	Colour	
Light	9XT 713 630-301		green	001	Instrument panel illumination, medium	9XT 714 300-031		green	021
Dipped beam	9XT 713 630-311		green	002	Interior light, bright	9XT 713 630-501		green	022
Main beam	9XT 714 300-131		blue	003	Interior light, weak	9XT 714 300-241		green	023
Additional main beam	9XT 714 300-671		blue	004	Interior light, bright				024
Fog light	9XT 713 630-351		green	005	Light off			green	025
Work light front	9XT 713 630-421		green	006	Map light	9XT 713 630-511		green	026
Work light rear	9XT 713 630-701 9XT 740 763-491		green red	007	Map light			green	027
Position light	9XT 713 630-331		green	009	Driving compartment lighting	9XT 713 630-491		green	028
Side light	9XT 714 300-651		green	010	Passenger-side lighting			green	029
Position light 1	9XT 714 300-681		green	011	Boot lighting	9XT 713 630-641		green	030
Rear fog light	9XT 713 630-361 9XT 713 630-411		yellow green	012	Main light	9XT 713 630-261		green	031
Indicator	9XT 714 300-141		green	014	Room lamps	9XT 714 300-321		green	032
Warning light	9XT 713 630-391		red	015	Worklighting 1	9XT 713 630-371 9XT 734 713-121		green yellow	033
Warning light	9XT 714 300-691		orange	016	Worklighting 2				034
Front flasher	9XT 740 763-571		green	017	Table light	9XT 714 300-721		green	035
Cargo area illumination	9XT 740 763-311		yellow	018	Night light	9XT 714 300-701		green	036
Instrument panel illumination	9XT 714 300-661		green	019	Rotating beacon 1	9XT 713 630-281 9XT 713 630-711		green yellow	037
Instrument panel illumination, bright	9XT 713 630-271		green	020	Rotating beacon 2				038

All symbol cards with part no. are packed in 25s.

Switches

Symbol cards for 3 100 / 4 100 / 007 832 / 008 948 / 004 570 / 008 910



Light	Part no.	Symbol	Colour		Light	Part no.	Symbol	Colour	
Light switch 1				039	RFS				220
Light switch 2				040	UFB				221
Bulb test	9XT 714 300-501		green	226	Rod-type light				223
Light pole	9XT 740 763-601		yellow		Rear fog light on/off				229
Bulb	9XT 740 763-121		red		Worklighting top				234
Stairs	9XT 740 763-701		green		Fog light off				260
Rotating beacon				205	Adjustment work light				265
Light pole				208	Wall illumination				325
Tool room				209	Headlights up				334
Rear warning unit				210	Headlights down				335
RKL driver cab				212	Boom light				342
Rotating beacon 3				213	Driver light				358
Signal				214	Light sleeping compartment				377
Front flasher				215	Stair light				402
Front flasher				216	Engine bay illumination				425
Rear flasher				217	Light loading compartment external				430
Rear flasher				218	Light loading				431
VWA				219	Beacon, night-ramp-down				434

All symbol cards with part no. are packed in 25s.

Light	Part no.	Symbol	Colour		Brake system	Part no.	Symbol	Colour	
Trolley Lighting				445	Parking brake	9XT 714 300-011		red	086
Flashing beacon				447	Brake malfunction	9XT 714 300-231		red	087
Rotating beacon				448	Hand brake				088
Repeated Drivelights				449	Brake lining				089
Ambient lighting off				455	Oil pressure	9XT 740 763-391		red	090
Front Flasher off				464	ASR			yellow	091
Pantograph Reflector				472	Retarder				227
					Engine Brake				228
					Retarder 2				272
					Retarder 1				313
					ABS				314
					Brake				316
					Disable ASR	9XT 714 300-491		green	332
					Retarder switched off				355
					Reverse Interlock				456
					Automatic bus stop brake off				487

Switches

Symbol cards for 3 100 / 4 100 / 007 832 / 008 948 / 004 570 / 008 910



Sight	Part no.	Symbol	Colour		Inside	Part no.	Symbol	Colour	
Windscreen wiper	9XT 713 630-101		green	170	Lifting roof	9XT 714 300-021		green	138
Windscreen wiper/wash	9XT 713 630-121		green	171	Central locking system	9XT 714 300-541		green	149
Windscreen wash	9XT 713 630-131		green	172	Window lift	9XT 713 630-181		green	150
Wiping intervall switch				173	Window lift	9XT 714 300-041		yellow	151
Rear windowwiper	9XT 713 630-141		green	174	Window lift	9XT 714 300-341		green	152
Heated rear window	9XT 713 630-231 9XT 714 300-741		yellow green	175	Sun roof			green	153
Heated outside mirror	9XT 713 630-481		green	176	Air conditioning	9XT 714 300-771		green	154
Windscreen defrosting	9XT 714 300-761		yellow	177	Fan, fast	9XT 713 630-251		green	155
Rear window heating				178	Fan, slow	9XT 713 630-531		green	156
Defroster	9XT 713 630-521		green	179	Fan, fast/slow	9XT 714 300-311		green	157
Heated door window				230	Fan, speed adjustment	9XT 740 763-511		green	158
Defroster stage 1				257	Fan	9XT 714 300-751		green	159
Defroster stage 2				258	Fresh air	9XT 713 630-291		green	160
Windscreen wash				280	Air filter	9XT 740 763-401		yellow	161
Wiping intervall				281	Roof fan	9XT 713 630-681		green	162
Heated window				293	Activate sunshades	9XT 714 300-591		green	163
Mirror heating				294	Heater	9XT 713 630-201		green	164
					Heater	9XT 713 630-671		green	165

All symbol cards with part no. are packed in 25s.

Inside	Part no.	Symbol	Colour		Inside	Part no.	Symbol	Colour	
Auxiliary heating 1	9XT 713 630-211		green	166	Heating stage 1				289
Heater fan	9XT 713 630-221		green	167	Heating stage 2				290
Seat heating				168	Fan slow				291
Heating driver's side				169	Fan fast				292
Buzzer	9XT 714 300-641		green		Container heating				295
Auxiliary heating 2	9XT 713 630-601		green		Front ventilation damper				296
Description AC				235	Recirculation mode				297
Window lift up				236	Roof ventilation driver seat				298
Window lift down				237	Roof deaeration driver seat				299
Window up				249	Jalousie up				307
Window down				250	Jalousie down				308
Window dark up				251	Rollo up / down				359
Window dark down				252	Outlet Fan				367
Fan				284	Fresh air				368
Sun protection up				285	Heater				369
Sun protection down				286	Heating sleeping compartment				378
Heaters slow				287	Driver Heater				379
Seat heating on				288	Heater off				404

All symbol cards with part no. are packed in 25s.

Switches

Symbol cards for 3 100 / 4 100 / 007 832 / 008 948 / 004 570 / 008 910



Inside	Part no.	Symbol	Colour		Body	Part no.	Symbol	Colour	
Jalousie				405	Level adjustment	9XT 714 300-471		yellow	128
Seat adjustment				413	Level 1				129
Dryer				419	Height adjustment	9XT 714 300-071		yellow	130
Sunshade up / down				435	Lower	9XT 713 630-621		yellow	131
Heater on				470	Raise	9XT 713 630-631		green	132
Heater off				471	Raise			yellow	135
Seat heating				494	Raise/lower	9XT 734 713-521		yellow	136
					All raise/ lower			yellow	137
					Lifting table head down/up	9XT 714 300-251		green	139
					Operating hydraulic system				140
					Trailing axle			green	141
					Full floating axle	9XT 713 630-761		yellow	142
					Lift axle				143
					Deaeration 3rd axle axle raise				144
					Dumping	9XT 734 713-281		orange	145
					Cylinder down			yellow	146
					Cylinder down rapid			yellow	147
					Ground pressure regulator	9XT 740 763-501		green	148

All symbol cards with part no. are packed in 25s.

Body	Part no.	Symbol	Colour		Body	Part no.	Symbol	Colour	
Lifting table on/off	9XT 714 300-261		green		Open 2nd door				322
Lock Telescopic arm 1	9XT 714 300-161		green		Close 2nd door				323
Support right	9XT 713 630-731		green		Open 3rd door				328
Operating hydraulic system	9XT 734 713-551		red		Close 3rd door				329
Tipper, loading-area repositioning (turned 180°)	9XT 740 763-531		green		Open cabin				338
Tipper, loading-area repositioning (turned 180°)	9XT 740 763-541		red		Close cabin				339
Arrow, down				211	Driving position				354
Driving side door				225	left inclination rear axle				384
Cab lock				240	right inclination rear axle				385
Tilt cabin				274	side shift, left				389
Door PRG				276	side shift, right				390
Lower bus				278	Door switches off				394
Door right				279	Hatch open				395
Open trunk				317	Roof Hatch open				396
Lock trunk				318	Door open				401
Open ventilating hatch				319	Central locking system open				403
Ventilating hatch closed				320	Tilt loading platform left				406
Close 1st door				321	Tilt loading platform right				407

All symbol cards with part no. are packed in 25s.

Switches

Symbol cards for 3 100 / 4 100 / 007 832 / 008 948 / 004 570 / 008 910



Body	Part no.	Symbol	Colour		Drive	Part no.	Symbol	Colour	
Extract support pillar			416		Lubrication	9XT 714 300-181		red	092
Retract support pillar			417		Engine start	9XT 714 300-381		green	093
Cabin off			428		Preheating	9XT 714 300-391		yellow	094
Cabin on			429		Preheating fuel	9XT 714 300-481		green	095
Suspension lower			460		Engine stop	9XT 714 300-401		red	096
Suspension raise			461		Motor malfunction	9XT 734 713-431		yellow	097
Suspension kneel			462		Throttle valve				098
Door opening enabling			476		Increased rpm	9XT 714 300-421		orange	099
All door opening			483		Battery	9XT 714 300-201		yellow	100
					Auxiliary battery	9XT 714 300-331		green	101
					Breaker 1	9XT 740 763-231		green	
					Breaker 2				102
					Temperature	9XT 714 300-191		red	103
					Pre-heater				104
					STOP	9XT 734 713-211		green	105
					On/off			green	106
					Fast	9XT 713 630-401		green	107
					Slow	9XT 713 630-691		yellow	108

All symbol cards with part no. are packed in 25s.

Drive	Part no.	Symbol	Colour		Drive	Part no.	Symbol	Colour	
All-wheel drive	9XT 734 713-771		green	109	Interruption in power train			green	127
Power take-off	9XT 734 713-231		green	110	Start	9XT 734 713-151		green	
Differential lock	9XT 714 300-111		green	111	Vibrating device	9XT 734 713-341		yellow	
Differential lock			green	112	Undervoltage				206
Differential lock	9XT 740 763-331		red	113	Right-hand drive				238
Differential lock	9XT 740 763-381		red	114	Left-hand drive				239
Differential lock				115	Start				241
Automatic idle	9XT 713 630-751		red	116	Engine				242
Fuel	9XT 734 713-511		yellow	117	Additional axle				246
Change-over tanks	9XT 714 300-051		green	118	Separate steering (can be turned through 180°)				247
Turbine	9XT 740 763-341		red	119	Air supply system left				255
Speed of PTO shaft, front	9XT 744 039-002		yellow	120	Air supply system right				256
All-wheel drive				121	Battery low				261
Transmission oil pressure	9XT 734 713-591		red	122	Battery bypass				262
Transmission, oil temperature	9XT 734 713-611		red	123	Rear-wheel drive off				300
Hydraulic oil filter	9XT 734 713-371		red	124	All-wheel drive off				301
Torque converter oil filter			red	125	ECO				304
Oil pressure/temperature	9XT 744 039-052		red	126	Engine				315

All symbol cards with part no. are packed in 25s.

Switches

Symbol cards for 3 100 / 4 100 / 007 832 / 008 948 / 004 570 / 008 910



Drive	Part no.	Symbol	Colour		Drive	Part no.	Symbol	Colour	
Min level hydraulic oil				326	Speed hold				421
Circulación del aire				327	Fuel cooling				424
Decrease speed				336	Engine off				426
Increase speed				337	Engine on				427
Engine increasing				346	Adaptive cruise control				433
Engine STOP				347	Auxiliary unit on / off				441
Engine check				348	Drive with auxiliary unit				442
Engine cooling				351	Frontaxel Suspension auto				450
Battery main switch				353	Frontaxel Suspension block				451
CRUISE CONTROL				380	Frontaxel Suspension up				452
Autopilot				381	Frontaxel Suspension down				453
Emergency steering pump				386	Heating Fuel Filter				454
Engine 1 separately				392	Ignition on / off				457
Engine 2 separately				393	Engine start / stop				458
Engine main switch				400	Master Switch				463
Fogmaker				411	DPF Inhibit				465
Drive off				418	Cruise Set				466
Diesel heater				420	Cruise Resume				467

All symbol cards with part no. are packed in 25s.

Drive	Part no.	Symbol	Colour		Drive	Part no.	Symbol	Colour	
Jake Brake				468	Differential Lock				504
Engine Protection Override				469					
600V on / off				474					
Battery Main Switch 24V				479					
external Charging				485					
saving charging of traction battery				486					
Insulation Failure				488					
Frontaxel Suspension auto 180°				491					
Frontaxle Suspension block 180°				492					
Engine Speed "A"				495					
Engine Speed "B"				496					
Limp Home Front				497					
Limp Home Back				498					
Battery Plus				499					
Battery Minus				500					
4WD Auto				501					
4WD				502					
Differential Lock Auto				503					

3

All symbol cards with part no. are packed in 25s.

Switches

Symbol cards for 3 100 / 4 100 / 007 832 / 008 948 / 004 570 / 008 910



Auxiliary symbol cards	Part no.	Symbol	Colour		Auxiliary symbol cards	Part no.	Symbol	Colour	
Without symbol	9XT 713 630-001 9XT 713 630-011 9XT 713 630-021 9XT 713 630-031 9XT 734 713-131 9XT 734 713-621 9XT 740 763-291		green black red yellow clear blue orange		Bell				056
Without laser symbol				000	Door opener	9XT 714 300-631		green	057
Overload warning device	9XT 713 630-381		red	041	Front door	9XT 713 630-551		green	058
Compressed air horn / Horn	9XT 713 630-461 9XT 734 713-601		green black	042	Rear door	9XT 713 630-561		green	059
Horn				043	Door plate	9XT 740 763-251		red	060
Horn test button WA 3	9XT 714 300-291		green	044	Arrow, up	9XT 740 763-461		yellow	061
Signal-switch-over	9XT 714 300-301		green	045	Arrow, left	9XT 740 763-451		yellow	062
Reverse signal	9XT 734 713-241		green	046	Arrow, right	9XT 740 763-471		yellow	063
City/country signal	9XT 740 763-581		green	047	Tail gate	9XT 740 763-591		green	064
Km/h			green	048	Cutting tool, reversing	9XT 740 763-481		green	065
Speed limit			yellow	049	Cutting tool, locked			red	066
WC	9XT 713 630-591		green	050	Socket	9XT 714 300-611		green	067
TV				051	Water on/off	9XT 744 039-012		orange	068
Camera	9XT 714 300-561		green	052	Plate broom (turned left)	9XT 734 713-251		orange	069
Radio/Music	9XT 714 300-571		green	053	Plate broom (turned right)				070
Refrigerator	9XT 714 300-101		green	054	Plate broom up				071
Bell			green	055	Double plate broom			orange	072
					Plate broom			orange	073

All symbol cards with part no. are packed in 25s.

Auxiliary symbol cards	Part no.	Symbol	Colour		Auxiliary symbol cards	Part no.	Symbol	Colour	
Plate broom spray water	9XT 740 763-621		green	074	Radio				207
Brush right on/off			orange	075	Working tool				222
Brush raise/lower	9XT 744 039-042		orange	076	Water pump				224
Brush side	9XT 740 763-711		green	077	ISO 2W	9XT 714 300-731		green	
Spray water	9XT 740 763-631		green	078	Fuel leak cut-off	9XT 714 300-001		orange	
Hasp	9XT 740 763-641		green	079	Exhaust	9XT 714 300-281		green	
Broom up / down	9XT 740 763-651		green	080	Signal light wheelchair	9XT 740 763-001		red	
Dumping				081	Caution	9XT 740 763-011		red	
Fast tipping				082	Fire alarm	9XT 744 039-092		red	
Auxiliary unit open	9XT 740 763-661		red	083	ZIG ZAG	9XT 744 039-062		red	
Float position				084	Main switch, radio				231
Wheel chair				085	Monitor control				232
WAIL Signal				180	Pump				243
YELP-Signal				181	Cap lock				244
HILO-Signal				182	Autom. Cap lock				245
Step				183	Intercom				248
Request next stop				194	Malfunction vehicle electronics				253
Lower				195	Water level diesel engine				254

All symbol cards with part no. are packed in 25s.

Switches

Symbol cards for 3 100 / 4 100 / 007 832 / 008 948 / 004 570 / 008 910



Auxiliary symbol cards	Part no.	Symbol	Colour		Auxiliary symbol cards	Part no.	Symbol	Colour	
Horn off				259	BORD SONDOR				309
Socket off				263	SEL II				310
Hook				264	N				311
Slewing gear				266	Coffee				312
Hook 2nd level				267	Emergency				324
Throttle body				268	INFO				330
Hook 1st level				269	Heating pump				331
Boom up				270	Bridge hoist end switch				333
Raise / Lower boom				271	Bridge boom				340
Extend / Retract boom				273	Setup RCL				341
Raise / Lower boom cap				275	CASSA				343
INFO				277	Hostess call				344
Return				282	LIM				345
OK				283	Locking cargo-body				349
Hydraulic gear pump off				302	Alternative steering wheel				350
Hydraulic gear pump on				303	Hydromech. transmission				352
RAG				305	Lane departure warning				356
Slew ring blocked				306	Central locking				357

All symbol cards with part no. are packed in 25s.

















Auxiliary symbol cards	Part no.	Symbol	Colour		Auxiliary symbol cards	Part no.	Symbol	Colour	
Driver microphone				360	monitor on				391
Hostess call-boiler				361	Generator automatic off				397
Panorama camera				362	Programm Remote control				398
Universal camera				363	Hill Holder				399
Park distance control				364	Buzzer				408
Toilet dump				365	Phone 1				409
Refrigerator				366	Phone 2				410
Request for stop-off				370	Phone Off				412
Stop				371	ladder down				414
Ticket machine				372	ladder up				415
Snow chains				373	Save data				422
Loudspeaker				374	Reset				423
Handicapped access				375	Bus stop reset				432
(Media on demand)				376	Acoustic Signal on /off				436
knife drum down				382	Voltage loss				437
knife drum up				383	Trolley heating				438
harvester down				387	Trolley activation				439
harvester up				388	Trolley up / down				440

All symbol cards with part no. are packed in 25s.

Switches

Symbol cards for 3 100 / 4 100 / 007 832 / 008 948 / 004 570 / 008 910



Auxiliary symbol cards	Part no.	Symbol	Colour	
Radio				443
Failure Acknowledgement				444
Washing Box				446
Information				459
Ice On Trolley Line				473
Car Wash Drive				475
Pantograph on / off				477
Moving on Intersection				478
Trolley Mode				480
Pantograph up				481
Pantograph down				482
Frog operation				484
Error Confirmation				489
Frog operation off				490
Acoustic Signal on / off 180°				493

All symbol cards with part no. are packed in 25s.



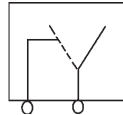
Cross-reference rocker switches

Part no. 007 832/008 948	Part no. 004 570/008 910	Part no. 4 100	Part no. 3 100	Part no. 007 832/008 948	Part no. 004 570/008 910	Part no. 4 100	Part no. 3 100
6EH 007 832-00	6EH 004 570-00	-	-	6RH 008 948-00	-	-	-
6EH 007 832-01	6EH 004 570-01	Function 00	-	6RH 007 832-42	6RH 004 570-33	-	-
6EH 007 832-02	6EH 004 570-02	Function 01	-	6RH 008 948-01	6RH 008 910-01	-	-
6GM 007 832-18	6GM 004 570-05	-	-	6EH 007 832-49	-	Function 05	Function 04
6GM 007 832-19	6GM 004 570-06	Function 07	Function 00	6EH 007 832-60	6EH 004 570-63	-	-
6GM 007 832-58	6GM 004 570-69	-	-	6EH 007 832-67	-	-	-
6GM 007 832-27	-	Function 09	Function 01	6EH 007 832-75	6EH 004 570-64	-	-
6HH 007 832-32	6HH 004 570-49	-	-	6FH 007 832-50	-	-	-
6HH 007 832-29	6HH 004 570-47	-	-	6GM 007 832-21	6GM 004 570-07	-	-
6HH 007 832-77	-	-	-	6GM 007 832-22	6GM 004 570-08	-	-
6HH 007 832-30	6HH 004 570-48	-	-	6RH 007 832-33	6RH 004 570-15	-	-
6EH 007 832-61	6EH 004 570-68	-	-	6RH 007 832-34	6RH 004 570-16	-	-
6FH 007 832-05	6FH 004 570-10	Function 00	-	6RH 007 832-35	6RH 004 570-17	-	-
6FH 007 832-06	6FH 004 570-11	Function 00	-	6RH 007 832-78	-	-	-
6FH 007 832-08	6FH 004 570-12	Function 01	-	6RH 007 832-70	6RH 004 570-37	-	-
6FH 007 832-12	6FH 004 570-50	-	-	6RH 007 832-76	-	-	-
-	6FH 004 570-34	Function 03	Function 03	6RH 007 832-45	6RH 004 570-40	-	-
6FH 007 832-10	6FH 004 570-13	Function 04	Function 03	6RH 007 832-46	6RH 004 570-41	Function 24	Function 02
6GM 007 832-52	-	-	-	-	6RH 004 570-67	Function 24	Function 02
6FH 007 832-62	6FH 004 570-57	-	Function 05	6RH 007 832-65	-	-	-
6RH 007 832-43	6RH 004 570-35	-	-	6RH 007 832-68	-	-	-
6RH 007 832-44	6RH 004 570-36	Function 24	Function 02	6RH 007 832-37	6RH 004 570-18	-	-
6HH 007 832-28	6HH 004 570-45	-	-	6FH 007 832-13	6FH 004 570-51	-	-
6HH 007 832-66	6HH 004 570-58	-	-	6GM 007 832-23	6GM 004 570-20	-	-
6HH 007 832-64	6HH 004 570-59	-	-	6GM 007 832-24	6GM 004 570-21	-	Function 12
6HH 007 832-59	-	-	-	6FH 007 832-16	6FH 004 570-53	-	-
6RH 007 832-48	6RH 004 570-75	-	-	6FH 007 832-15	6FH 004 570-52	Function 14	Function 15
6FH 007 832-51	-	-	-	6FH 007 832-17	6FH 004 570-24	-	-
6RH 007 832-39	6RH 004 570-26	-	-	6FH 008 948-02	6FH 004 570-24	-	-
6RH 007 832-38	6RH 004 570-19	-	-	6GM 007 832-26	6GM 004 570-23	-	-
6RH 007 832-74	-	-	-	6GM 007 832-25	6GM 004 570-22	-	Function 12
-	6RH 004 570-38	-	-	6GM 007 832-63	6GM 004 570-27	-	-
6RH 007 832-55	-	-	-	-	6GM 004 570-29	Function 17	-
6RH 007 832-41	6RH 004 570-31	Function 20	Function 11	6HH 007 832-71	6HH 004 570-43	-	-

Cross-reference rocker switches



Part no. 007 832/008 948	Part no. 004 570/008 910	Part no. 4 100	Part no. 3 100	Part no. 007 832/008 948	Part no. 004 570/008 910	Part no. 4 100	Part no. 3 100
-	6GM 004 570-76	Function 07	Function 00				
-	6GM 004 570-77	Function 01	-				
-	6GM 004 570-79	-	-				
-	6RH 008 910-00	-	-				
-	6RH 004 570-78	-	-				
6EH 007 832-04	6EH 004 570-62	Function 02	Function 01				
6RH 007 832-73	6RH 004 570-32	-	-				
6FH 008 948-02	-	-	-				
-	6FH 004 570-54	-	-				
-	6RH 008 910-02	Function 24	Function 02				
-	6RH 008 910-03	-	-				
-	6FH 008 910-04	-	-				
-	-	Function 06	-				
-	-	Function 08	-				
-	-	Function 10	Function 09				
-	-	Function 11	-				
-	-	Function 12	Function 04				
-	-	Function 13	-				
-	-	Function 15	-				
-	-	Function 16	-				
-	-	Function 18	-				
-	-	Function 19	-				
-	-	Function 21	-				
-	-	Function 22	-				
-	-	Function 23	-				
-	-	Function 25	Function 08				

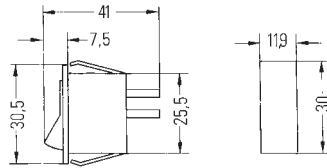


On-off switches

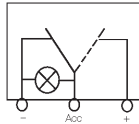
**Rocker switch.
Black push-button.**
With two 6.3 mm blade terminal contacts.

2 switch positions: 0 = off, 1 = on.

Max. load: 10A at 12V.

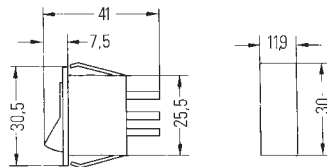


Part no.	Pk.	
6EH 004 406-001	1	On-off switch
6EH 004 406-002	10	carded

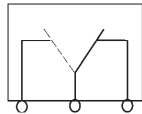


**Rocker switch. With 12V bulb.
Self-service box.**
Three 6.3 mm blade terminal contacts.

Max. load: 10A at 12V.



Part no.	Pk.	
6EH 004 406-012	1	On-off switch with red warning light
6EH 004 406-022	1	with amber warning light
6EH 004 406-032	1	with green warning light
6EH 004 406-042	1	with blue warning light

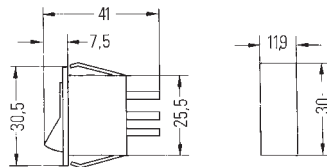


Change-over switch

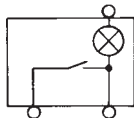
**Rocker switch.
Black push-button.**
With three 6.3 mm blade terminal contacts.

2 switch positions: 1 and 2.

Max. load: 10A at 12V.



Part no.	Pk.	
6FH 004 406-052	1	Change-over switch

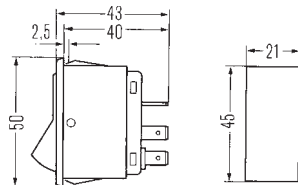


On-off switch

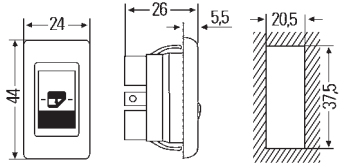
Rocker switch with 12V bulb.
With three 6.3 mm blade terminal contacts.

2 switch positions: 0 = off, 1 = on.

Max. load: 16A at 12V.



Part no.	Pk.	
6EH 003 268-001	5	On-off switch with red warning light
8GP 002 095-121	10	Spare parts: W5/1.2 bulb, 12V1.2W



Power window switch

For window lifts 8EF 006 288-00/-01 and 8EF 006 291-80

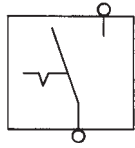
Rocker switch.

With five 4.8 mm blade terminal contacts.

3 switch positions: down, 0 = off, up, automatic spring return to off position.

Max. load: 10A at 12V.

Part no.	Pk.	
6GH 857 414-001	1	Power window switch



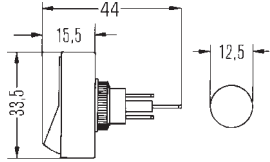
On-off switches

Rocker switch. Black push-button. Self-service box.

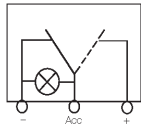
With two 6.3 mm blade terminal contacts.

2 switch positions: 0 = off, 1 = on.

Max. load: 10A at 12V.



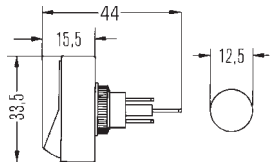
Part no.	Pk.	
6EH 004 407-002	1	On-off switch



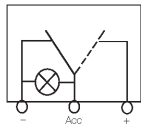
Rocker switch. With 12V bulb. Self-service box.

With three 6.3 mm blade terminal contacts.

Max. load: 10A at 12V.



Part no.	Pk.	
6EH 004 407-012	1	On-off switch with red warning light
6EH 004 407-022	1	with amber warning light
6EH 004 407-032	1	with green warning light
6EH 004 407-042	1	with blue warning light

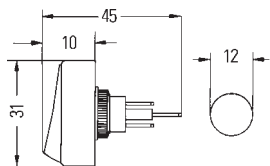


Rocker switch. With 12V bulb. Self-service box.

With three 6.3 mm blade terminal contacts.

2 switch positions: 0 = off, 1 = on.

Max. load: 10A at 12V.



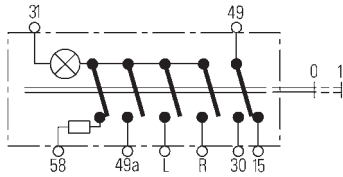
Part no.	Pk.	
6EH 007 946-001	1	On-off switch with green warning light
6EH 007 946-011	1	with red warning light
6EH 007 946-031	1	with amber warning light
6EH 007 946-041	1	with LEDs and green warning light

Hazard flasher switch

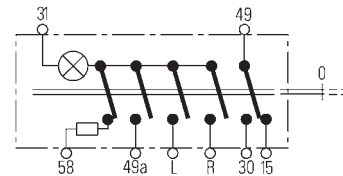
On-off switch with red warning light.
With eight 6.3 mm blade terminal contacts.

2 switch positions: 0 = off, 1 = on.

Max. load: 10 x 21W.



Part no.	Pk.	
6HH 004 175-021	1	Hazard flasher switches with pre-fitted 24V bulb
8GP 002 095-241	10	Spare parts: W5/1.2 bulb, 24V1.2W



Rocker switch with red warning light.

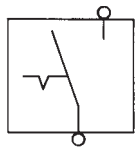
With pre-fitted 12V bulb.

With eight pin terminals.

2 switch positions: 0 = off, 1 = on.

Max. load: 6 x 21W + 2 x 5W.

Part no.	Pk.	
6HH 003 631-021	1	Hazard flasher switches
8GP 002 095-121	10	Spare parts: W5/1.2 bulb, 12V1.2W



On-off switches

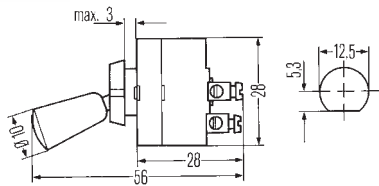
Toggle switch.

Black lever.

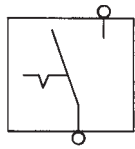
With two screw contacts.

2 switch positions: 0 = off, 1 = on.

Max. load: 6A at 12V, 3A at 24V.



Part no.	Pk.	
6EG 001 567-011	10	On-off switch



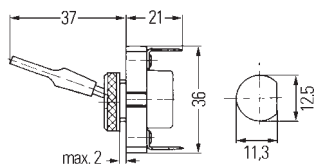
Toggle switch.

Black lever, made of flexible plastic.

With two 6.3 mm blade terminal contacts.
Round nut for fixing.

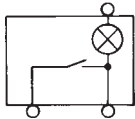
2 switch positions: 0 = off, 1 = on.

Max. load: 5A at 12V.



Part no.	Pk.	
6EG 001 567-041	1	On-off switch
6EG 001 567-042	19	carded

On-off switches

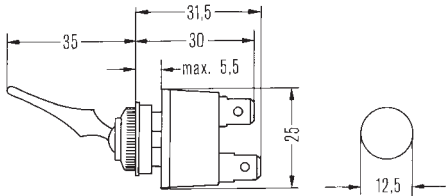


Toggle switch with 12V bulb.

With three 6.3 mm blade terminal contacts.

2 switch positions: 0 = off, 1 = on.

Max. load: 10A at 12V.



Part no.	Pk.	
6EG 001 567-112	10	On-off switch with green warning light
6EG 001 567-122	1	with amber warning light

Blower switch, multiple stage.

With five 6.3 mm blade terminal contacts.

Type of protection: IP 53 acc. to DIN 400 50

Temperature resistance: -30 °C - +80 °C.

Max. load: 30A at 12V.

4 switch positions:

0 = off

Position I: 10A

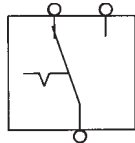
Position II: 15A

Position III: 30A



Part no.	Pk.	
6EB 008 845-007	50	On-off switch

Change-over switches



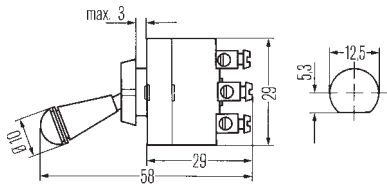
Toggle switch.

Switch lever silver-coloured.

With three screw contacts.

2 switch positions: 1 and 2.

Max. load: 5A at 12V, 2A at 24V.



Part no.	Pk.	
6FG 002 312-001	10	Change-over switch
6FG 002 312-002	1	carded



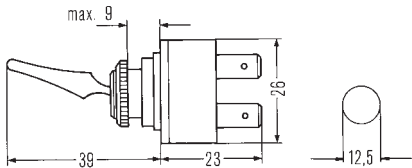
Toggle switch.

Black lever, made of flexible plastic.

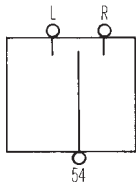
With three 6.3 mm blade terminal contacts.

2 switch positions: 1 and 2.

Max. load: 5A at 12V.



Part no.	Pk.	
6FG 002 315-001	1	Change-over switch



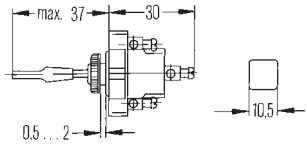
Flasher switch

Toggle switch.
Black lever.

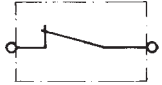
With three screw contacts.

3 switch positions: middle = off, right and left.

Max. load: 5A at 12V, 2A at 24V.



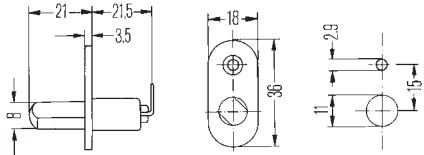
Part no.	Pk.	
6BG 001 545-001	10	Flasher switch



Switches/Door-contact

With one 6.3 mm blade terminal contact.
Pin protrudes in "on" position.

Max load: 3.5A at 12V.

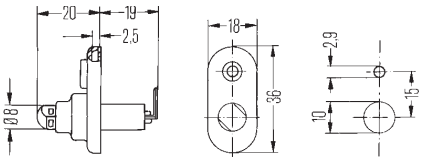


Part no.	Pk.	
6ZF 005 388-001	10	Switch/Door-contact with cover



With one 6.3 mm blade terminal contact.
Pin protrudes in "on" position.

Max load: 3.5A at 12V.

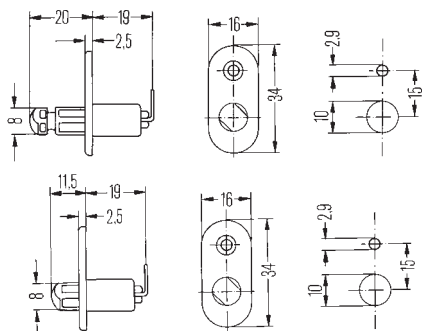


Part no.	Pk.	
6ZF 004 365-031	10	Switch/Door-contact



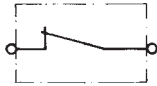
With one 6.3 mm blade terminal contact.
Pin protrudes in "on" position.

Max load: 3.5A at 12V.



Part no.	Pk.	
6ZF 004 365-041	10	Switch/Door-contact
6ZF 004 365-011	10	Switch/Door-contact

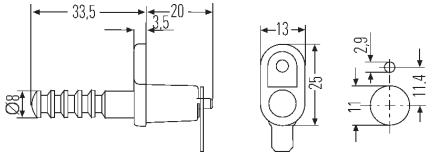
Switches/Door-contact



Particularly suitable for anti-theft warning systems and use with low current.

With one 6.3 mm blade terminal contact.
Pin protrudes in "on" position.
Sections of contact pin can be shortened individually up to 20 mm.

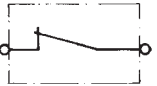
Max. load: 0.4A at 12V.



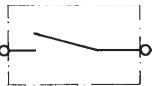
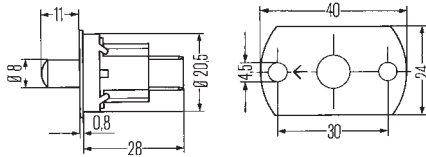
Part no.	Pk.	
6ZF 007 239-001	10	Switch/Door-contact

With two 6.3 mm blade terminal contacts.

Max. load: 1.5A at 12V, 0.75A at 24V.

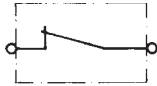


Part no.	Pk.	
6ZF 003 549-001	10	Switch/Door-contact Pin protrudes in "on" position
6ZF 003 549-021	10	Pin protrudes in "off" position

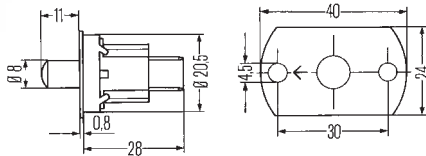


With two 6.3 mm blade terminal contacts.
Pin protrudes in "on" position

Max. load: 2A at 24V.

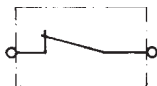


Part no.	Pk.	
6ZF 005 686-067	100	Switch/Door-contact

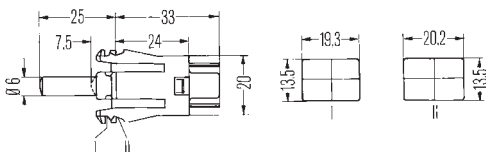


With two 6.3 mm blade terminal contacts.
Pin protrudes in "on" position.

Max. load: 1.5A at 12V.



Part no.	Pk.	
6ZF 004 229-011	1	Switch/Door-contact
6ZF 004 229-017	250	



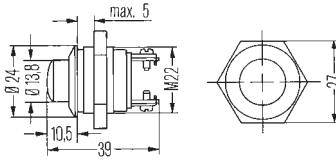


Push-button switches

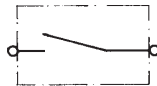
**For flush fitting. Black button.
Without damp-proof cover.**

Two combined screw/blade terminal contacts, for mounting surfaces up to 5 mm thick.

Short term load: 20A at 12V, 15A at 24V.



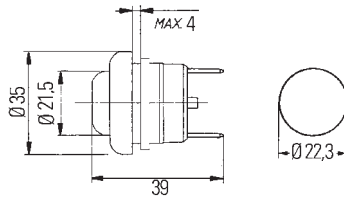
Part no.	Pk.	
6JF 001 571-001	5	Push-button switch



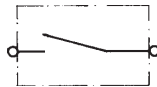
**For flush fitting. Black button.
With damp-proof cover.**

Rubber cap (IP 54 DIN 40050) from the operation side.

Short term load: 20A at 12V, 15A at 24V.



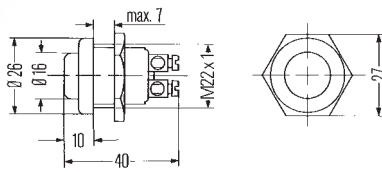
Part no.	Pk.	
6JF 001 571-041	5	Push-button switch with two 6.3 mm blade terminal contacts
6JF 001 571-047	150	
6JF 001 571-071	5	with two screw contacts



For flush fitting. Black button.

With two screw contacts, for mounting surfaces up to 7 mm thick.

Short term load: 12.5A at 12V, 6.25A at 24V.



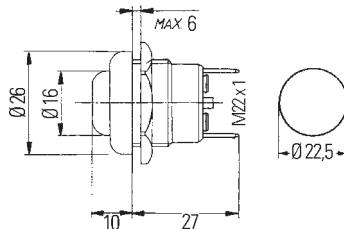
Part no.	Pk.	
6JF 001 571-101	10	Push-button switch



For flush fitting. Black button.

With two 6.3 mm blade terminal contacts, for mounting surfaces up to 6 mm thick.

Short term load: 16A at 12V, 8A at 24V.



Part no.	Pk.	
6JF 001 571-131	10	Push-button switch



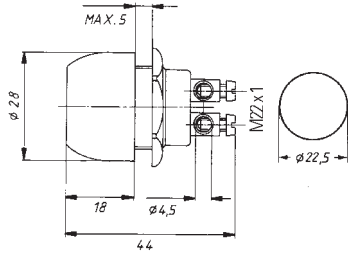
Damp-proof cover,
for switches in model range 6JF 001 571-...

Part no.	Pk.	
9GH 045 833-001	10	Damp-proof cover

Push-button switches



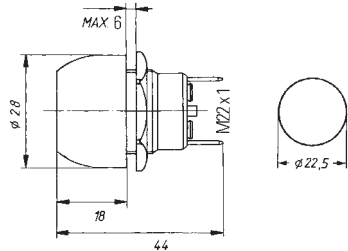
For flush fitting. Black button.
With damp-proof cover.
With two screw contacts,
for mounting surfaces up to 5 mm thick.
 Max. load: 16A at 12V, 8A at 24V.



Part no.	Pk.	
6JF 001 571-151	10	Push-button switch



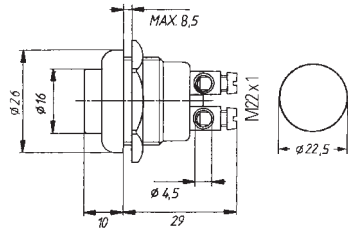
For flush fitting. Black button.
With damp-proof cover.
With two 6.3 mm blade terminal contacts,
for mounting surfaces up to 5 mm thick.
 Max. load: 16A at 12V, 8A at 24V.



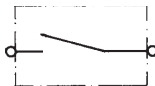
Part no.	Pk.	
6JF 001 571-161	10	Push-button switch



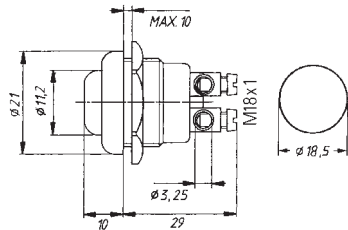
For flush fitting. Black button.
Metal body.
 With 2 screw contacts.
 Short term load: 16A at 12V, 8A at 24V.



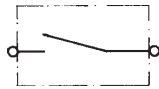
Part no.	Pk.	
6JF 001 571-171	10	Push-button switch for mounting surfaces up to 8.5 mm thick



For flush fitting. Black button.
Metal body.
 With 2 screw contacts.
 Short term load: 12A at 12V, 5A at 24V.



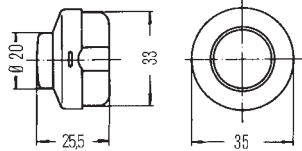
Part no.	Pk.	
6JF 001 571-181	10	Push-button switch for mounting surfaces up to 10 mm thick



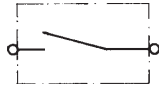
Push-button switches

For external fitting.
Black button.
Chrome-nickel alloy cap.
 With two screw contacts.

Max. load: 10 ecs. with 10A at 12V, 5A at 24V.

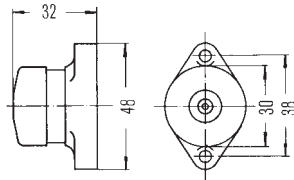


Part no.	Pk.	
6JF 001 572-001	10	Push-button switch

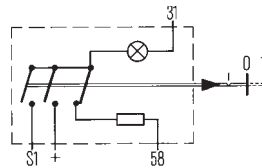


For external fitting.
 With two screw contacts.

Max. load: 6A at 12V.



Part no.	Pk.	
6EJ 001 569-001	10	Push-button switch

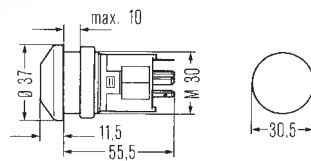


On-off switches

Push-button switch with green warning light.
With 12V bulb.
 Splash-proofed in front of the dashboard
 (according to DIN 40 005, IP 66 A).
 With four 6.3 mm blade terminal contacts.

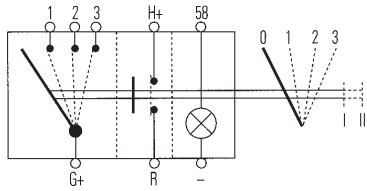
2 switch positions: 0 = off, 1 = on.

Max. load: 14A at 12V.



Part no.	Pk.	
6EF 003 916-061	1	On-off switch
8GP 002 095-121	10	Spare parts: W5/1.2 bulb, 12V1.2W

On-off switches

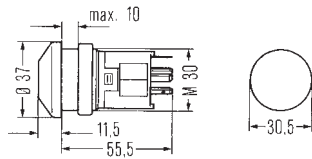


Push-button switch with red warning light.

Protected against spray water (according to DIN 40 050, IP 66 A).
With nine 6.3 mm blade terminal contacts.

2 switch positions: 0 = off, 1 = on.

Max. load: 14A at 12V, 7A at 24V.



Part no.	Pk.	
6HF 003 916-011	1	Hazard flasher switch with 12V bulb
6HF 003 916-031	1	Hazard flasher switch without contact 30b, with 12V bulb
6HF 003 916-107	50	with 24V bulb
Spare parts:		
8GP 002 095-121	10	W5/1.2 bulb,
8GP 002 095-241	10	12V1.2W
		24V1.2W

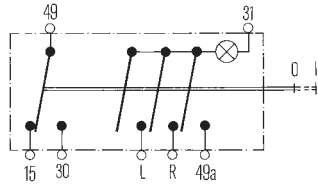
Socket housing

for switches in model range 003 916-...



Part no.	Pk.	
8JA 711 375-001	5	Socket, 9-pole, carded

Hazard flasher switches



Push-button switch, for use with combined direction and hazard flasher units 4DM 003 944-041 or 4DW 003 944-051 only.

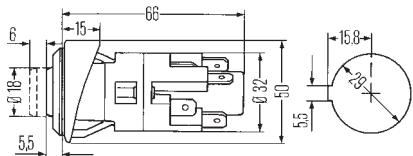
Except vehicles with stop/flasher change-over.

Red push-button with symbol.

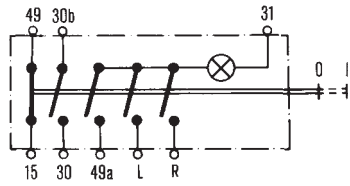
Black grained plastic mounting panel for under-dashboard fitting. Can be mounted into dashboards without mounting panel.

2 switch positions: 0 = off, 1 = on.

Max. load at 12V: Terminal 49-15, 49a-L and 49a-R: 7A, 30b-30: 14A.



Part no.	Pk.	
6HF 001 579-052	1	Hazard flasher switch with bracket
6HF 001 579-061	2	without bracket
Accessories:		
8GP 002 066-121	10	J bulb,
8GP 002 066-241	10	12V
		24V



Hazard flasher switches

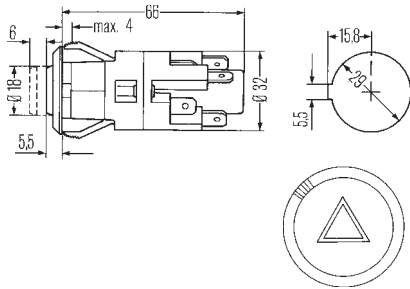
Push-button switch, for use with combined direction and hazard flasher units 4DM 003 944-041 or 4DW 003 944-051 only.

Except vehicles with stop/flasher change-over.
Red push-button with symbol.

Black grained plastic mounting panel for under-dashboard fitting. Can be mounted into dashboards without mounting panel.

2 switch positions: 0 = off, 1 = on.

Max. load at 12V: Terminal 49-15, 49a-L and 49a-R: 7A, 30b-30: 14A.



Part no.	Pk.	
6HF 001 579-011	5	Hazard flasher switch without bracket
6HF 001 579-157	100	without bracket, with 24 bulb and red push-button
		Spare parts/Accessories:
8GP 002 066-121	10	J bulb, 12V
8GP 002 066-241	10	24V

Socket housing

With eight 6.3 mm blade terminal contacts, for switches in model range 6HF 001 579-...

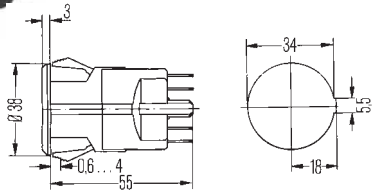
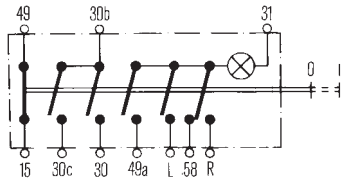


Part no.	Pk.	
8JA 001 926-001	10	Socket housing, 8-pole, carded

Hazard flasher switches

Push button switch.

With ten 6.3 mm blade terminal contacts.
 2 switch positions: 0 = off, 1 = on.
 Max. load: 8 bulbs 21W.



Part no.	Pk.	
6HF 002 372-041	1	Hazard flasher switch without red button
6HF 002 372-051	1	with red button, included separately
Accessories:		
8GP 002 068-121	10	T8/2 bulb, 12V2W
8GP 002 068-241	10	24V2W
Spare parts/Accessories:		
9SK 702 331-071	10	Push-button, red

Socket housing

for hazard flashes switch 6HF 002 372-041/-051



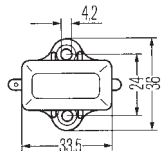
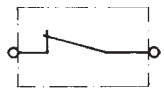
Part no.	Pk.	
8JA 703 947-011	5	Socket, 10-pole

Switch, stop light (push-type)

Switch is " on " when in normal position.

With rubber protective cap.
 With two screw contacts.

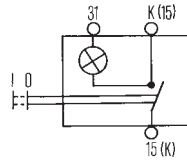
Max. load: 7A at 12V.



Part no.	Pk.	
6DF 001 551-091	2	Switch, stop light

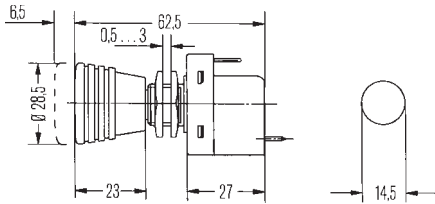
On-off switches

Push-pull switch,
with soft plastic safety knob.
Three 6.3 mm blade terminal contacts.
Pilot or location light
by reversing terminals 15 and K.



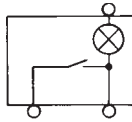
2 switch positions: 0 = off, 1 = on.

Max load: 8A at 12V, 4A at 24V.



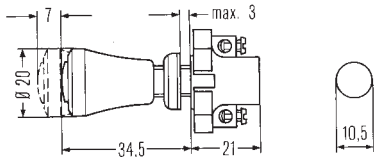
Part no.	Pk.	
6ED 004 778-011	2	On-off switch with red warning light
6ED 004 778-021	2	with green warning light
6ED 004 778-031	2	with amber warning light
6ED 004 778-001	1	with green warning light and 12V bulb, in self-service box, interchangeable lenses (1 red and 1 amber) included
Spare parts/Accessories:		
8GP 002 095-121	10	W5/1.2 bulb, 12V1.2W
8GP 002 095-241	10	24V1.2W

Push-pull switch with black knob.
With two screw contacts.



2 switch positions: 0 = off, 1 = on.

Max. load: 5A at 12V.



Part no.	Pk.	
6ED 001 565-001	10	On-off switch with red warning light
Spare parts:		
8GP 002 066-121	10	J bulb, 12V2W

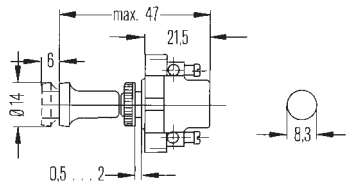
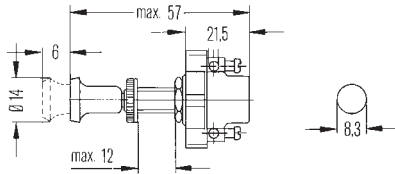
On-off switches



Push-pull switch with black knob.
With two screw contacts.

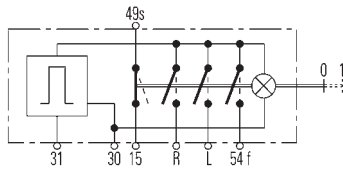
2 switch positions: 0 = off, 1 = on.

Max. load: 5A at 12V.



Part no.	Pk.	
6ED 001 563-001	10	On-off switch for dashboards up to 12 mm thick
6ED 001 563-003	25	
6ED 001 563-004	1	
6ED 001 563-021	10	On-off switch for dashboards up to 2 mm thick

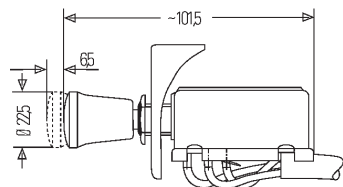
Hazard warning systems



Push-pull switch, red knob with warning light.
With holder and 600 mm long lead set.

2 switch positions: 0 = off, 1 = on.

Max. load: 6 x 21W.



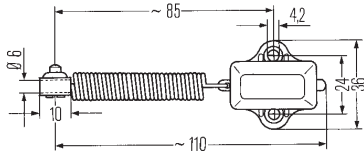
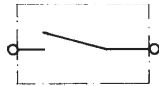
Part no.	Pk.	
6HD 002 535-031	1	Hazard warning system with 12V bulb
6HD 002 535-101	1	
6HD 002 535-111	1	with 24V bulb
		Spare parts:
8GP 002 095-121	10	W5/1.2 bulb, 12V1.2W
8GP 002 095-241	10	24V1.2W

Push-pull switches, stop light

Push-pull switch, spring is tensioned in "on" position, switch is "off" when in normal position.

Plastic body.
With two screw contacts.

Max. load: 7A at 12V.



Part no.	Pk.	
6DD 001 551-001	2	Switch, stop light without rubber protective cap, 65 mm spring length and clamp 6 mm dia.
6DD 001 551-011	2	with rubber protective cap, 65 mm spring length and clamp 6 mm dia.
6DD 001 551-017	250	
6DD 001 551-187	126	with rubber protective cap, 72 mm spring length and clamp 6 mm dia.

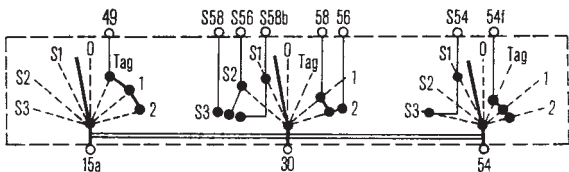
Lighting switch

Rotary switch for mounting into dashboards.

Painted after RAL 6031.
Splash-proof,
with eleven screw contacts.

For 2 mutually separated circuits
a = standard legal circuit, b = camouflage circuit.

Max.load: 5A at 24V.



Part no.	Pk.	
6LB 005 389-001	1	Lighting switch

Switches for headlight levelling

Regulating switch for installation in dashboard.

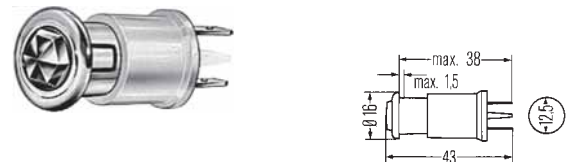
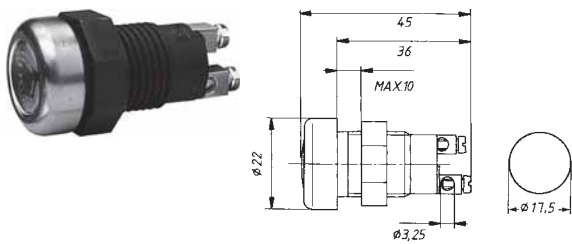
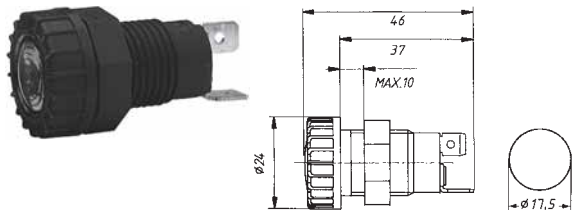
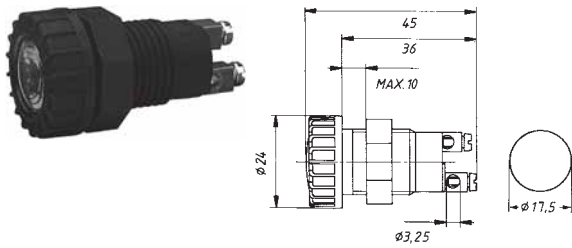
With five 2.8 mm blade terminal contacts.
4 switch positions:
zero position snap-locked, limit stop.



Part no.	Pk.	
6ZB 006 377-017	30	Regulating switch with 12V bulb
6ZB 006 377-107	30	with 24V bulb

Warning lights

For dashboards with thickness of 0.3 to 1.8 mm.
Screw-type connection.



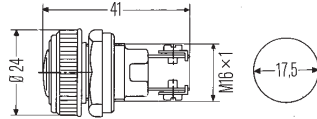
Part no.	Pk.	
2AA 008 592-021	15	Warning light with screw-type connection, green
2AA 008 592-031	15	red
Spare parts:		
8GP 002 068-121	10	H bulb, 12V
8GP 002 068-241	10	24V
Warning light with blade terminal contacts, blue		
2AA 008 594-001	15	blue
2AA 008 594-011	15	yellow
2AA 008 594-021	15	green
2AA 008 594-031	15	red
Spare parts:		
8GP 002 068-121	10	H bulb, 12V
8GP 002 068-241	10	24V
Warning light with steel rim and screw-type connections, green		
2AA 008 595-021	15	green
2AA 008 595-031	15	red
Spare parts:		
8GP 002 068-121	10	H bulb, 12V
8GP 002 068-241	10	24V

For dashboards with thickness of 0.8 to 1.5 mm.
With blade terminal contacts and clamp fixing.

Part no.	Pk.	
2AA 001 204-001	10	Warning light, red
2AA 001 204-011	10	yellow
2AA 001 204-031	10	green
Accessories:		
8GP 002 066-121	10	J bulb, 12V
8GP 002 066-241	10	24V

Warning lights

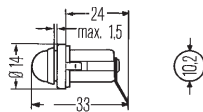
For dashboards with thickness of up to 4 mm.



Part no.	Pk.	
2AA 001 200-001	5	Warning light with combined screw/blade terminal contacts, blue
2AA 001 200-011	5	red
2AA 001 200-012	1	red, Pro-fit pack
2AA 001 200-021	5	green
2AA 001 200-023	1	green, Pro-fit pack
2AA 001 200-031	5	yellow
<hr/>		
2AA 001 200-041	5	Warning light with blade terminal contacts, blue
2AA 001 200-131	5	red
2AA 001 200-141	5	green
2AA 001 200-151	5	yellow
<hr/>		
Spare parts:		
8GP 002 095-121	10	W5/1.2 bulb, 12V
8GP 002 095-241	10	24V

For dashboards with thickness of up to 1.5 mm.

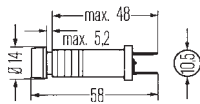
With blade terminal connections and clamp fixing.



Part no.	Pk.	
2AA 001 201-011	10	Warning light, red
<hr/>		
Spare parts/Accessories:		
9EL 043 137-001	10	Lens
8GP 002 066-121	10	J bulb, 12V
8GP 002 066-241	10	24V

For dashboards with thickness of up to 5.2 mm.

With black cap, dust and waterproof, combined screw/blade terminal contacts.



Part no.	Pk.	
2AA 003 257-001	1	Warning light, red
2AA 003 257-011	1	blue
2AA 003 257-021	1	green
2AA 003 257-031	1	amber
<hr/>		
2AA 003 257-041	1	Warning light with 4 lenses (red, blue, green, amber) included loose and 12V bulb. Carded
2AA 003 257-042	12	Pro-fit pack
<hr/>		
Spare parts:		
8GP 002 066-121	10	J bulb, 12V
8GP 002 066-241	10	24V

Alarm switches

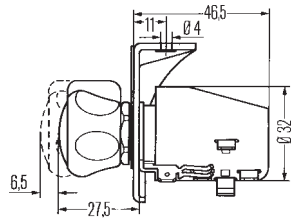
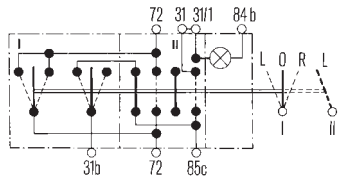
Push-pull-rotary alarm switch with warning light.

Softplastic knob with inscription ALARM and symbol for rotating beacon.
Seven blade terminal contacts.

4 switch positions: 0 = off,
right = rotating beacon on, townhorn ready for operation,
left = rotating beacon on, successive-tone signal ready for operation,
pulled out = rotating beacon on; permanent operation of successive-tone signal.

Max. load terminal 72 to 72: 20A at 12V,
terminal 31 to 31 or 85c: max. 1A.

For positive input (positive earth) it is necessary to separate the clamp on terminal 31/1.



Part no.	Pk.	
6ZE 001 759-051	1	Alarm switch with 12V bulb
6ZE 001 759-061	1	with 24V bulb
Spare parts:		
9SG 703 965-007	1	Knob
8GP 002 095-121	10	W5/1.2 bulb, 12V1.2W
8GP 002 095-241	10	24V1.2W

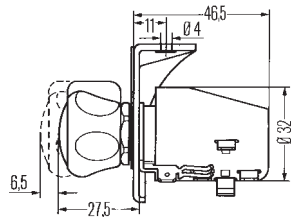
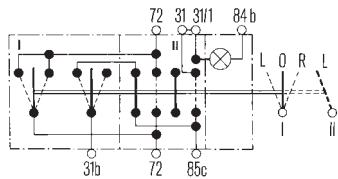
Push-pull-rotary alarm switch with warning light.

Softplastic knob with inscription ALARM and symbol for rotating beacon.
With seven blade terminal contacts.

3 switch positions: 0 = off,
left = rotating beacon on, successive-tone signal ready for operation,
pulled out = rotating beacon on, operation of successive-tone signal.

Max. load terminal 72 to 72: 20A at 12V,
terminal 31 to 31 or 85c: max. 1A.

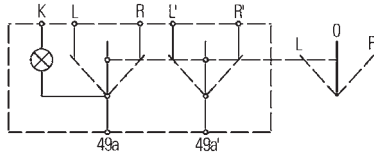
For positive input (positive earth) it is necessary to separate the clamp on terminal 31/1.



Part no.	Pk.	
6ZE 001 759-071	1	Alarm switch with 12V bulb and spare 24V bulb
Spare parts:		
9SG 703 965-007	1	Knob
8GP 002 095-121	10	W5/1.2 bulb, 12V1.2W
8GP 002 095-241	10	24V1.2W

Flasher switches

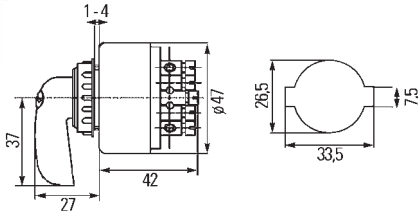
Rotary switch, with red warning light incorporated in lever.



With integrated bulb holder.
Seven screw contacts.
With a complete circuit diagram, the switch can also be used as a two-pole change-over switch with Off in the central position.

3 switch positions: middle = off, right and left.

Max. load: 4A at 12V.



Part no.	Pk.	
6BB 001 540-001	1	Flasher switch
8GP 002 066-121	10	Accessories: J bulb, 12V

Rotary switch.

With three 6.3 mm blade terminal contacts.

3 switch positions: middle = off, left and right,

Max. load at 25.000 switch positions: 5A.

Switching point per switch position: $25^\circ \pm 5^\circ$ from the 0-position.



Part no.	Pk.	
6BG 008 844-007	50	Flasher switch

Electronic immobiliser for agricultural and construction machinery

HELLA's immobilizer is certified by the German Federal Motor Vehicle Transport Authority

Contents:

- 1 x immobilizer control unit
- 1 set of cables
- 1 antenna unit including cable
- 2 blue keys (mechanical keys with transponders), plus "1 red key (master key for training blue keys);"
- a total of ten keys can be trained for each immobilizer unit)
- 1 assembly instructions

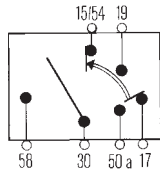
Technical data:

- Voltage range: 6V - 32V.
- Rated voltage: 12V / 24V.
- Temperature range: -40°C to $+85^\circ\text{C}$.
- *Typical current consumption with open relay:
- *Typical current consumption with closed relay:
- Stand-by current (terminal 30 operation): $\leq 30\mu\text{A}$ / 24V DC.



Part no.	Pk.	
5RD 007 511-011	1	Immobilizer
9SL 194 565-001	1	Spare parts/Accessories: Replacement keys with transponders
6JB 003 959-...	1	Pre-heating starter switch
4RA 003 437-081	1	Heavy-duty normally open relay, 4-pole, 12V
4RA 003 437-091	1	24V

Pre-heating starter switches



Rotary switch with safety lock.

2 keys with plastic cap supplied.
Key removable in position P and 0.

5 switch positions:

P = side light, 0 = off,

1 = driving position, 2 = pre-heat, 3 = start.

Key with spring-loaded return from positions 2 and 3.

Max. load:

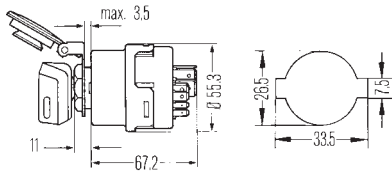
Terminal 30 with 58: 8A at 12V, 4A at 24V / time

Terminal 30 with 15/54: 35A at 12V, 17.5A at 24V / time

Terminal 30 with 19: 60A at 12V, 30A at 24V / 3.5 min.

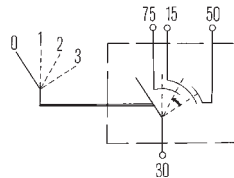
Terminal 30 with 17: 60A at 12V, 30A at 24V / 3.5 min.

Terminal 30 with 50a: 60/18A at 12V, 40/5A at 24V / 1 min.



Part no.	Pk.	
6JB 003 959-001	1	Pre-heating starter switch with cap
6JK 003 959-067	48	without cap
6JB 003 959-011	1	with wall key and starter repeat lockout, without cap
6JB 003 959-021	1	with switching key and moisture protection, without cap
6JB 003 959-031	1	with switching key with moisture protection and starter repeat lockout, without cap
Spare parts/Accessories:		
8JA 735 460-001	5	4-pole Plug,
8JA 735 461-001	5	6-pole
9SL 740 558-007	1	Key

Ignition and starter switches



Rotary switch with safety lock.

2 keys with plastic cap supplied.
Key removable in position 0.

4 switch positions:

0 = off,

1 = special loadson,

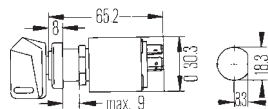
2 = ignition,

3 = start, special loads off.

Switch lever with spring-loaded return from position 3.

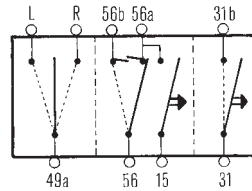
Max. load at 12V:

terminal 15 = max. 25A, terminal 50 = max. 50A, terminal 75 = max. 20A.



Part no.	Pk.	
6JK 007 232-001	1	Ignition and starter switch, 12V with repeat start block
6JK 007 232-011	1	with repeat start block, IP65
6JK 007 232-017	50	

Combination switches

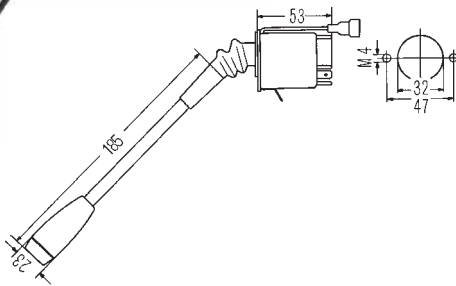
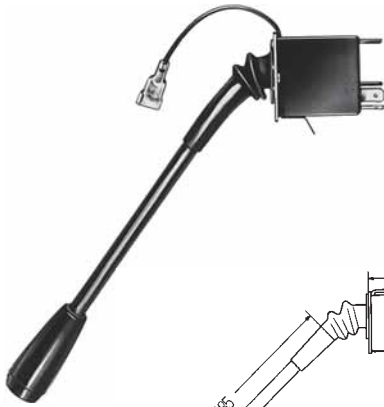


**Steering column mounted switch for flush fitting.
Flasher switch with contact for horn and indicator light.**

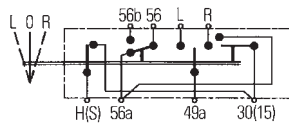
Black handle.
With eight blade terminal contacts and connecting lead.
Two M4 fixing screws.

Switch positions: middle = off, dipped beam,
flasher light left and right,
forward = main beam,
backward = headlamp flasher on,
push button = horn, on and off.

Max. load at 12V: 8A for indicator light,
15A for main/dipped beam,
10A for headlamp flasher (inductive),
10A for horn (inductive).



Part no.	Pk.	
6TA 003 394-001	1	Combination switch with 185 mm long lever
6TA 003 394-011	1	with 126 mm long lever
6TA 003 394-017	48	
6TA 003 394-047	1	with 111 mm long lever

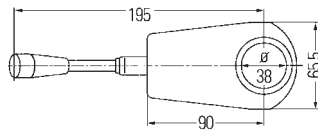


**Steering column mounted switch for flush fitting.
Flasher switch with contact for horn and indicator light.**

Black body and handle.
Mounting strap for steering column 38 mm dia.

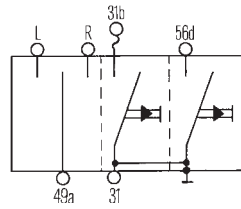
Positions: middle = off, dipped beam,
flasher light left and right,
forward = headlamp flasher on,
push button = horn, on and off.

Max. load:
indicator light: 8A at 12V, 3.5A at 24V,
dipped beam and driving light:
15A at 12V, 4.5A at 24V,
headlamp flasher on: 10A at 12V, 4.5A at 24V,
horn: 10A at 12V, 4A at 24V.



Part no.	Pk.	
6TA 008 520-017	1	Combination switch with 200 mm long lead and 9-pole connector AMP 350720-1
6TA 008 520-027	1	with 200 mm long lead and 13-pole connector AMP 926647-3
6TA 008 520-047	1	with 430 mm long lead and 9-pole connector AMP 350720-1

Combination switches

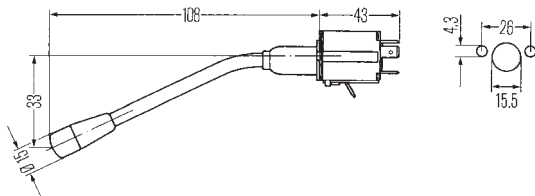


**Steering column mounted switch for flush fitting.
Flasher switch with contact for horn and indicator light.**

Black knob and lever.
Six 6.3 mm blade terminal contacts.
Two M4 fixing screws.

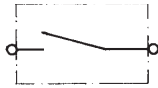
Switch positions: middle = off,
flasher light left and right,
push button = horn on and off,
lever in raised position = headlamp flasher on.

Max. load at 12V: 8A for flasher light,
10A (inductive) for horn,
2A (inductive) for headlamp flasher.



Part no.	Pk.	
6BA 001 539-001	1	Flasher switch with 108 mm long, lever bent 26° and 60 mm long lead with 6.3 mm blade terminal contact for terminal 31b
6BA 001 539-007	100	
6BA 001 539-027	1	with 123 mm long, black lever bent 45° and 60 mm long lead with 6.3 mm blade terminal contact for terminal 31b
6BA 001 539-017	1	with 115 mm long lever bent 12° and 60 mm long lead with 6.3 mm blade terminal contact for terminal 31b
6BA 001 539-057	1	with 123 mm long lever, bent upwards 45°, knob with symbols, with lead set
6BA 001 539-047	1	with 115 mm long, straight, lever, knob with symbols, with lead set
6BA 001 539-107	100	without headlamp flasher contact, with 120 mm long, straight, lever, knob with symbols, with lead set

Battery master switches

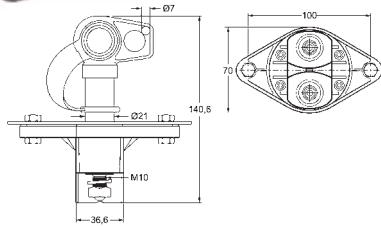
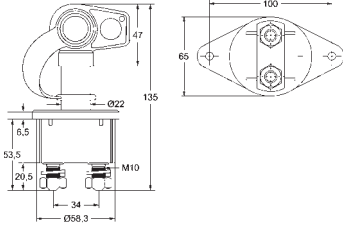


For battery - and ignition current, red control key.
Housing and key made of plastic.
Screw fixing.

Two screw contacts M10 x 1.5.

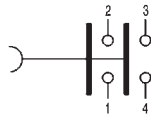
Connection cross-sections of the supply lines for three-phase current:
35 sq. mm at 100A, 70 sq. mm at 250A, 250 sq. mm at 500A.

2 switch positions: 0 = off, 1 = on.



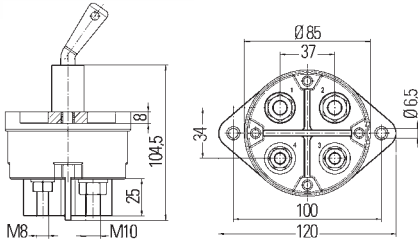
Part no.	Pk.	
		Max. load: 2000A at 24V (5 sec.) Nominal current: 250A. Type of protection: IP69K in accordance with DIN/ISO 40 050.
6EK 002 843-111	1	Battery master switch
		Max. load: 2500A at 32V (10 sec.) Nominal current: 500A Type of protection: IP65 in accordance with DIN/ISO IEC 529.
6EK 002 843-121	1	Battery master switch
		Max. load: 2000A at 24V (5 sec.) Nominal current: 250A Type of protection: IP69K in accordance with DIN/ISO 40 050.
6EK 002 843-131	1	Battery master switch
		Max. load: 2500A at 24V (5 sec.) Nominal current: 250A. Type of protection: IP69K in accordance with DIN/ISO 40 050. Switchable under load: can be activated 50 times at most with a load of 250A.
6EK 002 843-141	1	Battery master switch
6EK 002 843-151	1	Battery master switch

Battery master switches

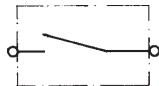


For battery - and ignition current, black control key.
Housing and key made of plastic.
Screw fixing.
2 each of screw contacts M10 x 1.5 and M8 x 1.5.

2 switch positions: 0 = off, 1 = on.



Part no.	Pk.	
		Übersetzung Max. load: 2 x 2000A at 32V (1.5 min.), 2 x 2500A at 32V (10 sec.). Continuous load: 2 x 500A. Type of protection: IP67 according to IEC 529.
6EK 002 843-161	1	Battery master switch



For battery and ignition current.
Connection to either positive or negative lead.
Switch key removable in "off" position only.
Current supply interrupted when key removed.
Two screw contacts.

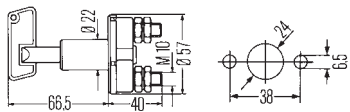
2 switch positions: 0 = off, 1 = on.

Max. continuous load:
1000A at 12V (10 sec.), 500A at 24V (10 sec.).

50A at max. ambient temperature of 80° C with
35 sq. mm long lead connected with ring-type terminals
Type of protection DIN 40 050 - IPX 2.



Part no.	Pk.	
6EK 002 843-171	1	Battery switch with black switching key and cap
6EK 002 843-001	1	Battery master switch with red switching key carded
6EK 002 843-003	12	
6EK 002 843-007	120	
		Type of protection DIN 40 050: Key side IPX4, connection side IPX 2. Max. load: 100A at 24V.
6EK 002 843-013	1	Battery master switch, UL certified, with red switching key and tin-plated screw contacts
6EK 002 843-017	20	
		Type of protection: Key side IPX4, connection side IPX 2. Max. load: 150A at 24V.
6EK 002 843-051	1	Battery master switch with red switching key and silver-plated screw contacts
6EK 002 843-057	50	
		Spare parts/Accessories:
9SL 706 729-011	10	Red control key
9SL 706 729-031	10	Switch key with cap, black

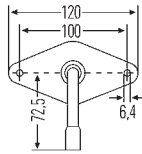
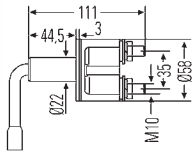


Battery master switches

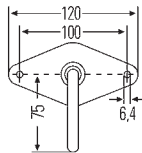
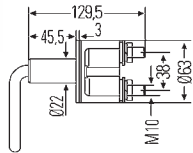
For battery main lead, with key.
 Connection to either positive or negative lead.
 Switch key removable in "off" position only.
 Current supply interrupted when key removed. Two screw contacts.

2 switch positions: 0 = off, 1 = on.
 Max. load: 2500A at 24V (10 sec.)

Max. continuous load: 100A at max. ambient temperature of 60 °C with 50 sq. mm long lead connected with ring-type terminals.
 Type of protection:
 Key side IPX4, connection side IP53.



Part no.	Pk.	
6EK 001 559-001	1	Battery master switch with one screw for each screw terminal
6EK 001 559-007	24	
6EK 001 559-011	1	with two screws for each screw terminal
Spare parts:		
9SL 042 991-001	1	Key



Part no.	Pk.	
		Max. continuous load: 250A at max. ambient temperature of 60 °C with 70 sq. mm long lead connected with ring-type terminals. With min. 70 sq. mm long lead. Type of protection: IP65. Operating temperature: -40° C to + 85° C.
6EK 008 458-011	1	Battery master switch, key without loss-protection
		Operating current: 250A continuous load, 800A / 30 sec., 2500 / 5 sec. Type of protection: IP65.
6EK 008 458-037	20	Battery master switch, key with loss-protection

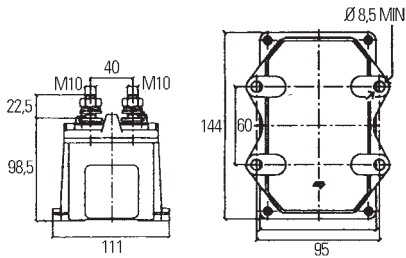
Rotary switch for flush- or external fitting.

Housing and button switch made of plastic.
 Several switches can be connected together saving space by removing the side wall. The red button switch can only be removed if it is has been turned 45° anti-clockwise.
 Splash-proof. Current connection: 2 x M10 screws.
 Type of protection: IP56 in compliance with DIN 40 050.
 Max. load: 225A (continuous load) at 12V/24V, max. 1000A (10 sec.) at 12V/24V.



Part no.	Pk.	
6EK 002 843-071	1	Battery master switch

Battery master switches



With 2 protective caps.

Key-controlled master switches for separating and protecting the battery and all vehicle electric circuits.

The versions with separate coil feed make it possible to separate any other circuits, e.g. side lifts.

The switches can also be used to protect cables with large power capacities, e.g. cables for starters, electromagnetic retarders etc.

Technical data:

Nominal operating voltage: 12V/24V.

Operating current during continuous operation: max. 250A.

Operating current during brief operation:

1. 2500A for max. 5 seconds
2. 2000A for max. 30 seconds
3. 1500A for max. 60 seconds

Type of protection: IP65 (IEC 529)

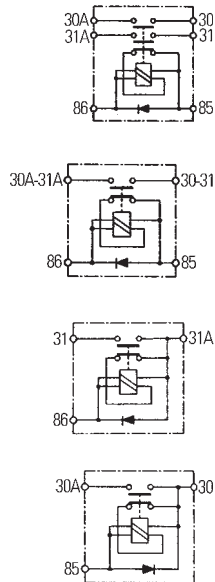
Min./max. operating temperature: -40 °C / +85 °C.

Nominal peak consumption of the coil: 2.6A at 12V, 3.2A at 24V.

Nominal consumption of the coil during normal operation:

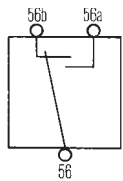
0.4A at 12V, 0.3A at 24V.

Connection bolts M10 (galvanised brass). Brass nuts for contacts.



Part no.	Pk.	Description
6EK 008 776-001	1	Battery master switch, separates + and - poles, 12V
6EK 008 776-011	1	
6EK 008 776-021	1	Battery master switch, with separate coil, 12V
6EK 008 776-031	1	
6EK 008 776-041	1	Battery master switch, separates - pole, 24V
6EK 008 776-051	1	Battery master switch, separates + pole, 24V

Foot-operated dipper switch



With catch.

A dark zone is not generated during the switchover procedure.

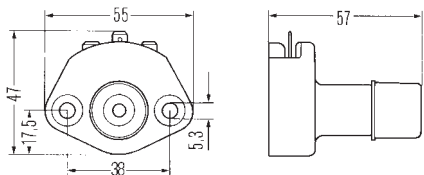
Operating pressure 40-60 N.

Metal body.

Three screw contacts. (According to C DIN 72 758).

2 switch positions: 0 = off, 1 = dipped beam on.

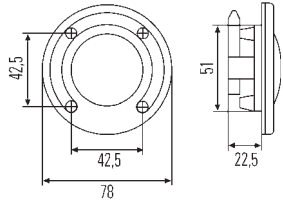
Max. load: 15A at 12V.



Part no.	Pk.	Description
6AJ 001 751-021	1	Foot-operated dipper switch

Foot-operated switches / Loading platform switches

Die-cast zinc housing.
 Temperature stability: -20 °C to +80 °C.
 Switch with 0.5 m lead.
 Max. load: 5A at 24V.



Part no.	Pk.	
6EJ 996 067-631	1	Foot-operated switch, black = neutral
6EJ 996 067-621	1	red = raise
6EJ 996 067-611	1	green = lower
<hr/>		
6EJ 996 067-737	100	Loading platform switch with mounted silicone micro-switch, black = neutral
6EJ 996 067-727	100	black = raise
6EJ 996 067-717	100	black = lower

Pressure and tappet switches



Part no.	Pk.	
6ZF 182 914-001	1	ZF transmissions 16S-1650 MAZ, 8S-1350 KAMAZ Tappet switch
6ZF 182 914-011	1	VW do Brasil ZF transmission S5-420, bus 8-120, 8-150, 9-150 Tappet switch
6ZF 182 914-021	1	Various ZF transmissions Tappet switch
6ZF 182 914-031	1	ZF transmissions 16S-1650, S5-20 16K/S-112, 130, 151, 160, 190, 220, 1300, 1600 5S-111GP/-150GP, S6-90 ZF transmissions S5-680/S6-680/8S-1350/9S-75/ 16S-1300/16S-1600/16S-1650 Mercedes-Benz commercial vehicles L 1218/LK 1218/L 1418/LK 1418/L 1620 LK 1620/L 1622/L L 1632/LS 1632/L 1633/ ... Mercedes-Benz buses 0371 RSD/0373/0400 RSD/0400RSE MAN and Scania commercial vehicles Tappet switch
6ZF 182 914-041	1	MAN commercial vehicles Control switch for locking the driver's cab Tappet switch
6ZF 182 914-051	1	MAN and Kamaz pressure switch Scania and DAF gear switch ZF transmissions S6-1550/8S-1350/16S-1300/ 16S-1600/16S-1650/16S-1900 Mercedes-Benz G-24/G-32/G-60 Mercedes-Benz commercial vehicles L 1632/LS 1632/L 1633/LS 1633/L 1634/LS 1634/L 1935/L 1938/1938 S/L 1941 Mercedes-Benz buses 0371 RSD/0373/0400 RSD/0400 RSE Tappet switch
6ZF 182 914-061	1	Mercedes-Benz Lock pressure switch for transfer case G-Class Tappet switch



Wiper blades, Water pumps, Water tanks, Headlight cleaning systems



<p>Wiper blades</p> <p>Product descriptions</p>	<p>4.02</p>
<p>Circulation pumps, vacuum pumps, water pumps, window- and headlight cleaning</p> <p>Product descriptions</p>	<p>4.03-4.10</p>
<p>Headlight cleaning systems</p> <p>Product descriptions</p>	<p>4.11</p>
<p>Water tanks</p> <p>Product descriptions</p>	<p>4.12-4.17</p>
<p>Application combinations, water pumps / water tanks</p>	<p>4.18-4.21</p>
<p>The vehicle application overviews can be found in the HELLA Online Catalogue and TecDoc</p>	



**Wiper blades, single,
for cars, vans, commercial vehicles
and buses (left- and right hand drive)**

Contains: 1 piece

Part no.	Pk.		
9XW 197 765-141	1	WBU14	340 mm, 14"
9XW 197 765-151	1	WBU15	380 mm, 15"
9XW 197 765-161	1	WBU16	400 mm, 16"
9XW 197 765-181	1	WBU18	450 mm, 18"
9XW 197 765-191	1	WBU19	475 mm, 19"
9XW 197 765-201	1	WBU20	500 mm, 20"
9XW 197 765-211	1	WBU21	530 mm, 21"
9XW 197 765-221	1	WBU22	550 mm, 22"
9XW 197 765-231	1	WBU23	580 mm, 23"
9XW 197 765-241	1	WBU24	600 mm, 24"
9XW 197 765-261	1	WBU26	650 mm, 26"
9XW 197 765-281	1	WBU28	700 mm, 28"



**Wiper blades, single,
for cars, vans, commercial vehicles
and buses (left hand drive)**

Contains: 1 piece

Part no.	Pk.		
9XW 178 878-111	1	WP11	275 mm, 11"
9XW 178 878-141	1	WP14	350 mm, 14"
9XW 178 878-151	1	WP15	375 mm, 15"
9XW 178 878-161	1	WP16	400 mm, 16"
9XW 178 878-171	1	WP17	425 mm, 17"
9XW 178 878-181	1	WP18	450 mm, 18"
9XW 178 878-191	1	WP19	475 mm, 19"
9XW 178 878-201	1	WP20	500 mm, 20"
9XW 178 878-211	1	WP21	525 mm, 21"
9XW 178 878-221	1	WP22	550 mm, 22"
9XW 178 878-231	1	WP23	575 mm, 23"
9XW 178 878-241	1	WP24	600 mm, 24"
9XW 178 878-261	1	WP26	650 mm, 26"
9XW 184 107-201	1	WT20	500 mm, 20"
9XW 184 107-221	1	WT22	550 mm, 22"
9XW 184 107-241	1	WT24	600 mm, 24"
9XW 184 107-261	1	WT26	650 mm, 26"
9XW 184 107-281	1	WT28	700 mm, 28"
9XW 184 107-321	1	WT32	800 mm, 32"
9XW 184 107-361	1	WT36	900 mm, 36"
9XW 184 107-401	1	WT40	1000 mm, 40"
9XW 194 562-361	1	WT36A	900 mm, 36"
9XW 194 562-401	1	WT40A	1000 mm, 40"

Circulation Pumps

MP 30

Output: 950/h at 0.1 bar
 Consumption: 1.2A
 Ø In: 20 mm
 Ø Out: 20 mm
 Plug: AMP 350 777-1

Part no.	Pk.	
8TW 005 755-117	20	Circulation Pump, 12V



MP 32

Output: 1200/h at 0.2 bar
 Consumption: 2.4A
 Ø In: 20 mm
 Ø Out: 20 mm
 Plug: AMP Junior-Power-Timer 927771-1

Part no.	Pk.	
8TW 007 121-047	12	Circulation Pump, 12V



Vacuum pumps

UP 28



Power consumption approx.: 150W
 Vacuum at ambient pressure: 50% at <= 5s
 70% at <= 10.5s
 max. >= 86%

Intake socket dia.: 12 mm
 Plug: Kostal 09401630

Part no.	Pk.	
8TG 008 570-027	6	Vacuum pump, 12V

Power consumption approx.: 150W
 Vacuum at ambient pressure: 50% at <= 5s
 70% at <= 10.5s
 max. >= 86%

Intake socket dia.: in acc. with SAE J2044
 Plug: Yasaki 2.8



Part no.	Pk.	
8TG 009 428-087	6	Vacuum pump, 12V

UP 30



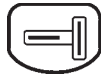
Power consumption approx.: 240W
 Vacuum at ambient pressure: 50% at <= 5s
 70% at <= 7.0s
 max. >= 86%

Intake socket dia.: in acc. with SAE J2044
 Plug: Yasaki 2.8

Part no.	Pk.	
8TG 009 286-001	1	Vacuum pump, 12V

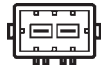
Water pumps

WSS = window cleaning / SRA = headlight cleaning



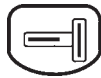
Application: WSS / SRA
Power: 2 bar, 1 l/min
Ø Housing: 35 mm
Design: mono
Ø In: 7 mm
Ø Out: 6 mm
Plug: 8JD 008 151-021

Part no.	Pk.	
8TW 004 223-031	1	Water pump, 12V



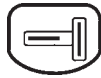
Application: WSS
Power: 2 bar, 1 l/min
Ø Housing: 35 mm
Design: mono
Ø In: 7 mm
Ø Out: 6 mm
Plug: VAG: 357 972 752

Part no.	Pk.	
8TW 004 223-061	1	Water pump, 12V



Application: WSS
Power: 1.5 bar, 1 l/min
Ø Housing: 35 mm
Design: mono
Ø In: 7 mm
Ø Out: 6 mm
Plug: 8JD 008 151-021

Part no.	Pk.	
8TW 004 223-097	1	Water pump, 24V



Application: SRA
Power: 2.5 bar, 7.2 l/min
Ø Housing: 35 / 46 mm
Design: mono
Ø In: 10.5 mm
Ø Out: 11 mm
Plug: 8JD 008 151-021

Part no.	Pk.	
8TW 004 764-021	1	Water pump, 12V



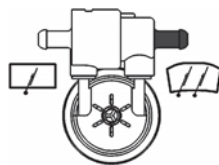
Application: WSS / SRA
Power: 2.5 bar, 7.2 l/min
Ø Housing: 35 / 46 mm
Design: mono
Ø In: 10.5 mm
Ø Out: 11 mm
Plug: 8JD 008 151-021

Part no.	Pk.	
8TW 004 764-041	1	Water pump, 24V



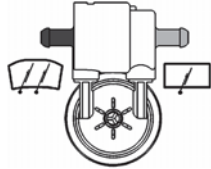
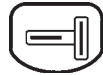
Application: WSS
Power: 2 bar, 1 l/min
Ø Housing: 35 mm
Design: dual
Ø In: 7 mm
Ø Out: 6 mm
Plug: 8JD 008 151-021

Part no.	Pk.	
8TW 005 206-011	1	Water pump, 12V



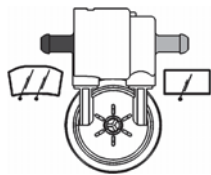
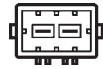
Water pumps

WSS = window cleaning / SRA = headlight cleaning



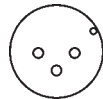
Application: WSS
Power: 2 bar, 1 l/min
Ø Housing: 35 mm
Design: dual
Ø In: 7 mm
Ø Out: 6 mm
Plug: 8JD 008 151-021

Part no.	Pk.	
8TW 005 206-031	1	Water pump, 12V



Application: WSS
Power: 2 bar, 1 l/min
Ø Housing: 35 mm
Design: dual
Ø In: 7 mm
Ø Out: 6 mm
Plug: AMP 828962

Part no.	Pk.	
8TW 005 206-051	1	Water pump, 12V



Application: WSS
Power: 2 bar, 1 l/min
Ø Housing: 35 mm
Design: mono
Ø In: 7 mm
Ø Out: 6 mm
Plug: vehicle-specific

Part no.	Pk.	
8TW 005 496-011	1	Water pump, 12V



Application: WSS
Power: 2 bar, 1 l/min
Ø Housing: 35 mm
Design: mono
Ø In: 7 mm
Ø Out: 6 mm
Plug: 8JD 008 151-021

Part no.	Pk.	
8TW 005 496-051	1	Water pump, 24V



Application: SRA
Power: 2.5 bar, 7.2 l/min
Ø Housing: 35 / 46 mm
Design: mono
Ø In: 10.5 mm
Ø Out: 11 mm
Plug: 8JD 008 151-021

Part no.	Pk.	
8TW 007 540-037	32	Water pump, 24V

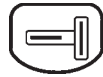


Application: SRA
Power: 2.5 bar, 7.2 l/min
Ø Housing: 35 / 46 mm
Design: mano
Ø In: 10.5 mm
Ø Out: 11 mm
Plug: VAG: 1J0 973 722 A

Part no.	Pk.	
8TW 007 540-141	1	Water pump, 12V

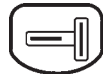
Water pumps

WSS = window cleaning / SRA = headlight cleaning



Application: SRA
Power: 2.5 bar, 7.2 l/min
Ø Housing: 35 mm
Design: mano
Ø In: 11.5 mm
Ø Out: 11 mm
Plug: 8JD 008 151-021

Part no.	Pk.	
8TW 007 540-211	1	Water pump, 12V



Application: SRA
Power: 2.5 bar, 7.2 l/min
Ø Housing: 35 mm
Design: mano
Ø In: 10.5 mm
Ø Out: 11 mm
Plug: 8JD 008 151-021

Part no.	Pk.	
8TW 007 540-231	1	Water pump, 24V



Application: SRA
Power: 2.5 bar, 7.2 l/min
Ø Housing: 35/46 mm
Design: mano
Ø In: 10.5 mm
Ø Out: 11 mm
Plug: VAG: 1J0 973 722 A

Part no.	Pk.	
8TW 007 540-391	1	Water pump, 24V



Application: WSS
Power: 1 bar, 1.5 l/min
Ø Housing: 30 mm
Design: dual
Ø In: 17 mm
Ø Out: 5.5 mm
Plug: vehicle-specific

Part no.	Pk.	
8TW 006 847-001	1	Water pump, 12V



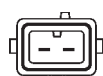
Application: WSS
Power: 1.5 bar, 1.9 l/min
Ø Housing: 37 mm
Design: dual
Ø In: 7.5 mm
Ø Out: 6 mm
Plug: vehicle-specific

Part no.	Pk.	
8TW 006 847-011	1	Water pump, 12V



Application: WSS
Power: 2,5 bar, 2 l/min
Ø Housing: 35 mm
Design: dual
Ø In: 6.5 mm
Ø Out: 6 mm
Plug: vehicle-specific

Part no.	Pk.	
8TW 006 847-021	1	Water pump, 12V



Application: WSS
Power: 2 bar, 1 l/min
Ø Housing: 30 mm
Design: dual
Ø In: 17 mm
Ø Out: 5.5 mm
Plug: vehicle-specific

Part no.	Pk.	
8TW 006 847-031	1	Water pump, 12V

Water pumps

WSS = window cleaning / SRA = headlight cleaning



Application: WSS
Power: 1 bar, 1.5 l/min
Ø Housing: 30 mm
Design: mono
Ø In: 17 mm
Ø Out: 5.5 mm
Plug: vehicle-specific

Part no.	Pk.	
8TW 006 848-001	1	Water pump, 12V



Application: WSS
Power: 2.5 bar, 2 l/min
Ø Housing: 35 mm
Design: mono
Ø In: 6.5 mm
Ø Out: 6 mm
Plug: vehicle-specific

Part no.	Pk.	
8TW 006 848-021	1	Water pump, 12V



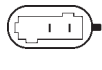
Application: WSS / SRA
Power: 2.5 bar, 2 l/min
Ø Housing: 35 mm
Design: mono
Ø In: 6.5 mm
Ø Out: 5.5 mm
Plug: vehicle-specific

Part no.	Pk.	
8TW 006 848-031	1	Water pump, 12V



Application: WSS
Power: 2 bar, 2.5 l/min
Ø Housing: 34.5 mm
Design: mono
Ø In: 6.5 mm
Ø Out: 6 mm
Plug: -

Part no.	Pk.	
8TW 006 848-041	1	Water pump, 12V



Application: WSS
Power: 2.5 bar, 2 l/min
Ø Housing: 37 mm
Design: mono
Ø In: 7 mm
Ø Out: 4.8 mm
Plug: vehicle-specific

Part no.	Pk.	
8TW 006 848-051	1	Water pump, 12V



Application: WSS / SRA
Power: 1 bar, 2 l/min
Ø Housing: 27.5 mm
Design: mono
Ø In: 17 mm
Ø Out: 5.5 mm
Plug: vehicle-specific

Part no.	Pk.	
8TW 006 848-061	1	Water pump, 12V

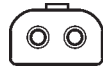


Application: WSS
Power: 1 bar, 2 l/min
Ø Housing: 30.5 mm
Design: mono
Ø In: 17 mm
Ø Out: 5.5 mm
Plug: vehicle-specific

Part no.	Pk.	
8TW 006 848-071	1	Water pump, 12V

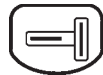
Water pumps

WSS = window cleaning / SRA = headlight cleaning



Application: WSS
 Power: -
 Ø Housing: -
 Design: mono
 Ø In: -
 Ø Out: -
 Plug: -

Part no.	Pk.	
8TW 006 848-101	1	Water pump, 12V



Application: WSS
 Power: 1 bar, 1.5 l/min
 Ø Housing: 30 mm
 Design: mono
 Ø In: 17 mm
 Ø Out: 5.5 mm
 Plug: vehicle-specific

Part no.	Pk.	
8TW 006 849-001	1	Water pump, 12V



Application: SRA
 Power: 2.8 bar, 8 l/min
 Ø Housing: 35 mm
 Design: mono
 Ø In: 11.5 mm
 Ø Out: 9.2 mm (coupling)
 Plug: vehicle-specific

Part no.	Pk.	
8TW 006 849-011	1	Water pump, 12V



Application: SRA
 Power: 2.8 bar, 8 l/min
 Ø Housing: 35 mm
 Design: mono
 Ø In: 11.5 mm
 Ø Out: 9.5 mm (coupling)
 Plug: vehicle-specific

Part no.	Pk.	
8TW 006 849-031	1	Water pump, 12V



Application: SRA
 Power: 3 bar, 8 l/min
 Ø Housing: 35 mm
 Design: mano
 Ø In: 11.5 mm
 Ø Out: 10 mm (coupling)
 Plug: vehicle-specific

Part no.	Pk.	
8TW 006 849-051	1	Water pump, 12V



Application: WSS
 Power: -
 Ø Housing: 35 mm
 Design: mano
 Ø In: 6.5 mm
 Ø Out: 6 mm
 Plug: vehicle-specific

Part no.	Pk.	
8TW 006 849-081	1	Water pump, 12V



Application: WSS
 Power: 1.2 bar, 2.1 l/min
 Ø Housing: 34 mm
 Design: mano
 Ø In: 8.7 mm
 Ø Out: 6 mm
 Plug: vehicle-specific with integr. level control switch

Part no.	Pk.	
8TW 006 849-091	1	Water pump, 24V

Water pumps

WSS = window cleaning / SRA = headlight cleaning



Application: WSS
Power: -
Ø Housing: 30.3 mm
Design: dual
Ø In: 17 mm
Ø Out: 6 mm
Plug: vehicle-specific

Part no.	Pk.	
8TW 010 958-001	1	Water pump, 12V



Application: WSS
Power: -
Ø Housing: 30.3 mm
Design: dual
Ø In: 17 mm
Ø Out: 6 mm
Plug: vehicle-specific

Part no.	Pk.	
8TW 010 958-011	1	Water pump, 12V



Application: SRA
Power: -
Ø Housing: 35 mm
Design: mano
Ø In: 11.5 mm
Ø Out: 9.9 mm
Plug: vehicle-specific

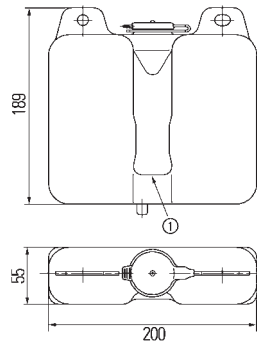
Part no.	Pk.	
8TW 010 958-031	1	Water pump, 12V

Headlight cleaning systems

With pump, control unit incl. wiring harness,
nozzles for cleaning 2 to 4 headlamps and fabric hose.
For sports cars, tuned versions and motor homes etc.



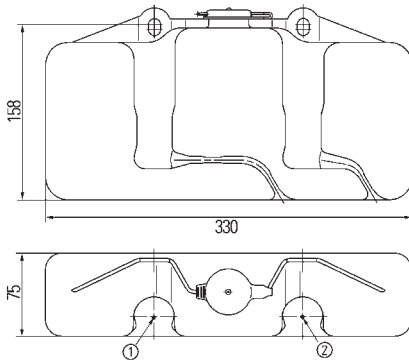
Part no.	Pk.	
8WS 008 549-001	1	Headlight cleaning system with fixed nozzles, 12V
8WS 008 549-501	1	
		Spare parts:
8TW 007 540-211	1	Water pump, 12V
8TW 007 540-231	1	24V
8WV 115 095-001	10	T-piece
8WT 008 549-101	1	Headlight cleaning system with single telescopic nozzles, 12V
8WT 008 549-601	1	
		Spare parts:
8TW 007 540-211	1	Water pump, 12V
8TW 007 540-231	1	24V
8WV 115 095-001	10	T-piece
8WT 008 549-201	1	Headlight cleaning system with double telescopic nozzles, 12V
8WT 008 549-701	1	
		Spare parts:
8TW 007 540-211	1	Water pump, 12V
8TW 007 540-231	1	24V
8WV 115 095-001	10	T-piece
		Accessories:
8TW 004 223-031	1	Water pump, 12V
8TW 005 496-051	1	24V
		Telescopic nozzle unit,
8WT 007 982-018	1	left
8WT 007 982-028	1	right
9GD 853 490-001	200	Grommet
9GT 960 380-005	400	Plug
9XD 856 165-005	100	Adapter
9XL 564 781-002	50	One way valve



Water tanks

Capacity: 1.5 l.

Part no.	Pk.	
		Pump holder position 1: 35 mm dia. hole position 1: 11 mm dia. hole
8WB 003 248-001	1	Water tank, white, with bracket and water pump, 12V
8WB 003 248-007	50	
8TW 004 223-031	1	Spare parts: Water pump, 12V Tank
8WB 851 385-025	50	
8WB 003 248-037	50	Water tank, white, with bracket and water pump, 24V
8TW 005 496-051	1	Spare parts: Water pump, 24V Tank
8WB 851 385-025	50	
8WB 851 385-025	50	Pump holder position 1: 11 mm dia. hole Water tank, white, with bracket, without water pump



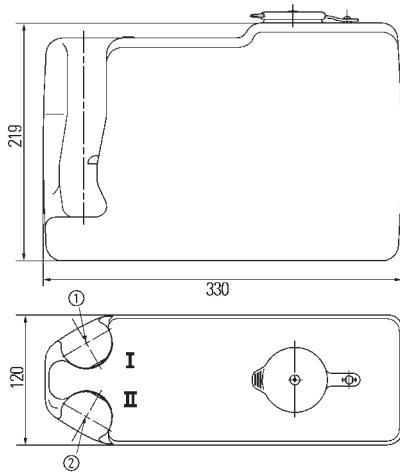
Water tanks

Capacity: 3.0 l.

Part no.	Pk.	
		Pump holder position 1, 2: 35 mm dia. hole position 1: 11 mm dia. hole position 2: closed
8BW 003 443-008	1	Water tank, white, with water pump, 12V
8TW 004 223-031	1	Spare parts: Water pump, 12V
8BW 003 443-011	1	Water tank, white, with water pump, 24V
8TW 005 496-051	1	Spare parts: Water pump, 24V
8HG 851 387-007	75	Accessories: Holder
		Pump holder position 1: 11 mm dia. hole position 2: 11 mm dia. hole, grommet with stuff
8BW 003 443-047	51	Water tank, white, with water pump, 12V
8TW 004 223-031	1	Spare parts: Water pump, 12V
8BW 857 850-005	51	Tank
		Pump holder position 1: 11 mm dia. hole position 2: 11 mm dia. hole
8BW 003 443-057	51	Watertank, white, with 2 water pumps, 12V
8TW 004 223-031	1	Spare parts: Water pump, 12V
8BW 857 850-005	51	Tank
		Pump holder position 1: 11 mm dia. hole position 2: 11 mm dia. hole, grommet
8BW 003 443-067	51	Water tank, white, with water pump, 12V
8TW 004 223-031	1	Spare parts: Water pump, 12V
8BW 857 850-005	51	Tank

Water tanks

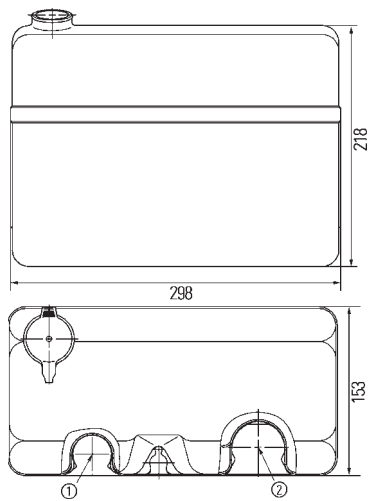
Capacity: 5.0 l.



Part no.	Pk.	
		Pump holder position 1, 2: 46 mm dia. hole position 1: 20 mm dia. hole, grommet position 2: closed
8BW 860 169-007	28	Water tank, white, with water pump, 12V

Water tanks

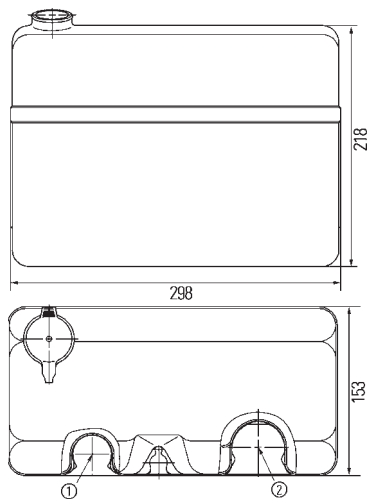
Capacity: 8.0 l.



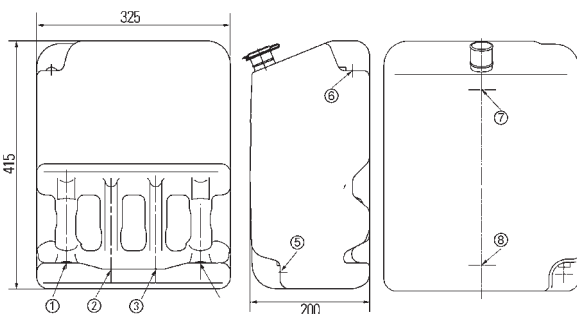
Part no.	Pk.	
		Pump holder position 1: 35 mm dia. hole position 2: 46 mm dia. hole position 1: 11 mm dia. hole position 2: 11 mm dia. hole, grommet with stuff
8BW 003 966-047	24	Water tank, white, with water pump, 12V
8TW 004 223-031	1	Spare parts: Water pump, 12V
		Pump holder position 1: 11 mm dia. hole position 2: 20 mm dia. hole, open
8BW 003 966-007	24	Water tank, white, with water pump, 24V
8TW 005 496-051	1	Spare parts: Water pump, 24V
		Pump holder position 1: 11 mm dia. hole position 2: closed
8BW 003 966-037	1	Water tank, white, with water pump, 24V
8TW 005 496-051	1	Spare parts: Water pump, 24V
		Pump holder position 1: 11 mm dia. hole position 2: 11 mm dia. hole, open
8BW 003 966-057	1	Water tank, white, with water pump, 24V
8TW 005 496-051	1	Spare parts: Water pump, 24V
		Pump holder position 1: 11 mm dia. hole position 2: 20 mm dia. hole, grommet with stuff
8BW 003 966-067	28	Water tank, white, with water pump, 24V
8TW 005 496-051	1	Spare parts: Water pump, 24V

Water tanks

Capacity: 8.0 l.



Part no.	Pk.	
		Pump holder position 1: 35 mm dia. hole position 2: 46 mm dia. hole position 1: 11 mm dia. hole position 2: 11 mm dia. hole, with adapter
8BW 504 000-037	24	Water tank, white, with water pump, 24V
8TW 005 496-051	1	Spare parts: Water pump, 24V
9XD 856 165-005	100	Adapter (position 2)

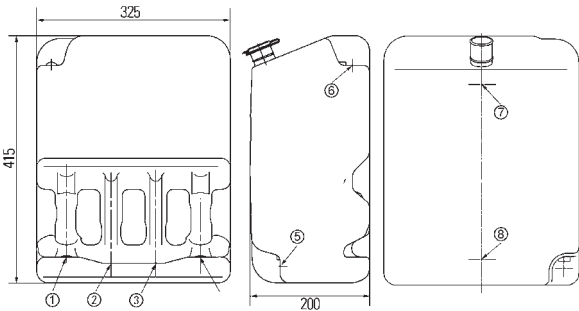


Capacity: 20.0 l.

Part no.	Pk.	
		Pump holder position 1-4: 35 mm dia. hole position 1: closed position 2: 11 mm dia. hole position 3: 11 mm dia. hole position 4: 20 mm dia. hole position 5-8: closed
8BW 007 757-007	20	Water tank, black, with 3 water pumps, 24V
8TW 005 496-051	1	Spare parts: Water pump, 24V (position 2 and 3)
8TW 004 764-041	1	Water pump, 24V (position 4)
		Pump holder position 1: closed position 2: 11 mm dia. hole position 3: 11 mm dia. hole position 4-6: closed position 7-8: 11 mm dia. hole, level indication
8BW 007 757-017	20	Water tank, black, with 2 water pumps, 24V
8TW 005 496-051	1	Spare parts: Water pump, 24V (position 2 and 3)

Water tanks

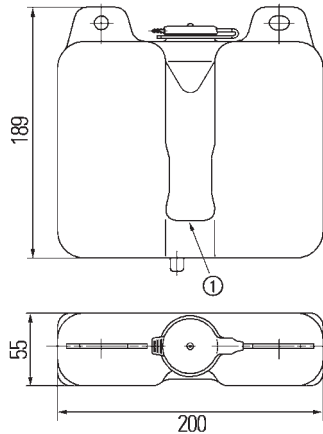
Capacity: 20.0 l.



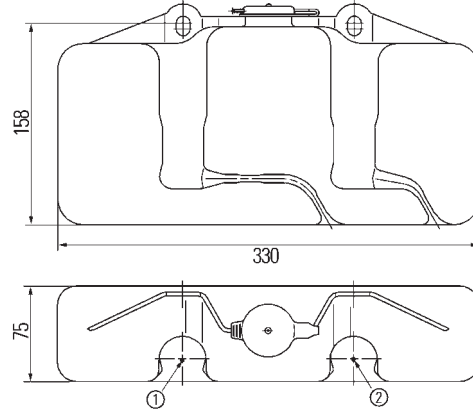
Part no.	Pk.	
		Pump holder position 1-4: 35 mm dia.
		position 1: closed position 2: 11 mm dia. hole position 3: 11 mm dia. hole position 4-8: closed
8BW 007 757-027	20	Water tank, black, with 2 water pumps, 24V
8TW 005 496-051	1	Spare parts: Water pump, 24V (position 2 and 3)
		Pump holder position 1: closed position 2: 11 mm dia. hole position 3: 11 mm dia. hole position 4: 20 mm dia. hole, grommet with stuff position 5-8: closed
8BW 007 757-037	20	Water tank, black, with 2 water pumps, 24V
8TW 005 496-051	1	Spare parts: Water pump, 24V (position 2 and 3)
		Pump holder position 1: closed position 2: 11 mm dia. hole position 3: 11 mm dia. hole position 4: closed position 5: level control switch 6PR 005 345-017 Position 6: 11 mm dia. hole, one-way valve 9XL 564 781-002 position 7-8: 11 mm dia. hole, level indication
8BW 007 757-047	20	Water tank, black, with 2 water pumps, 24V
8TW 005 496-051	1	Spare parts: Water pump, 24V (position 2 and 3)
		Pump holder position 1: closed position 2: 11 mm dia. hole position 3-8: closed
8BW 007 757-067	20	Water tank, black, with water pump, 24V
8TW 005 496-051	1	Spare parts: Water pump, 24V (position 2)

Application combinations

Water pumps / Water tanks

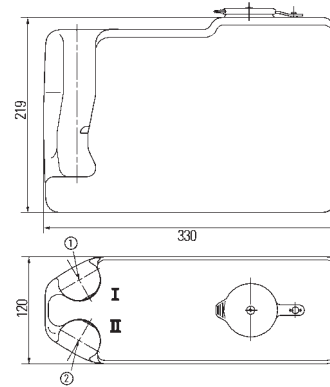
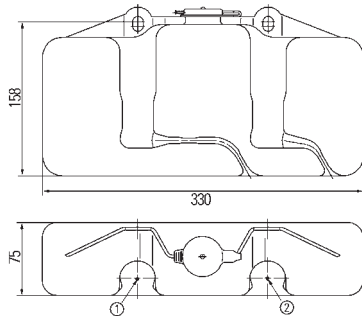


Water tank, 1.5 l



Water tanks, 3.0 l

	8WB 851 385-025	8BW 003 443-047	8BW 003 443-067
Water pump	Position	Position	Position
8TW 004 223-061	1. in conjunction with grommet 9GD 853 918-006	2. Plug not applicable	2. Plug not applicable
8TW 004 223-097	1. in conjunction with grommet 9GD 853 918-006	-	-
8TW 004 764-041	-	-	-
8TW 005 496-011	1. in conjunction with grommet 9GD 853 918-006	-	2. Plug not applicable
8TW 005 496-051	1. in conjunction with grommet 9GD 853 918-006	-	-
8TW 005 206-011	1. in conjunction with grommet 9GD 853 918-006	2. Plug not applicable	2. Plug not applicable
8TW 005 206-031	1. in conjunction with grommet 9GD 853 918-006	2. Plug not applicable	2. Plug not applicable
8TW 005 206-051	1. in conjunction with grommet 9GD 853 918-006	2. Plug not applicable	2. Plug not applicable
8TW 004 764-021	-	-	-
8TW 004 764-021	-	-	-
8TW 007 540-037	-	-	-
8TW 007 540-141	-	-	-



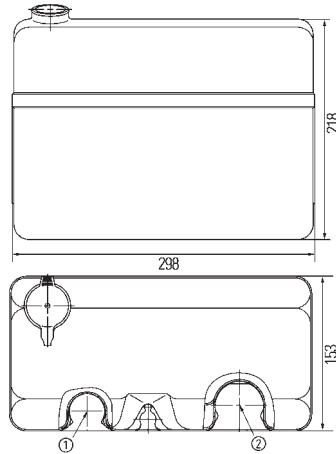
Water tank, 3,0 l
8BW 857 850-005

8BW 860 169-007
8BW 860 169-007

Water pump	Position	Position
8TW 004 223-031	1./ 2. in conjunction with grommet 9GD 853 918-006	-
8TW 004 223-061	1./ 2. in conjunction with grommet 9GD 853 918-006	-
8TW 004 223-097	1./ 2. in conjunction with grommet 9GD 853 918-006	-
8TW 004 764-041	-	1.
8TW 005 496-011	1./ 2. in conjunction with grommet 9GD 853 918-006	-
8TW 005 496-051	-	-
8TW 005 206-011	1./ 2. in conjunction with grommet 9GD 853 918-006	-
8TW 005 206-031	1./ 2. in conjunction with grommet 9GD 853 918-006	-
8TW 005 206-051	1./ 2. in conjunction with grommet 9GD 853 918-006	-
8TW 004 764-021	-	1.
8TW 007 540-037	-	1.
8TW 007 540-141	-	1.

Application combinations

Water pumps / Water tanks

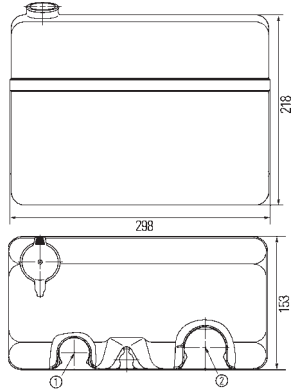


Water tank, 8.0 l

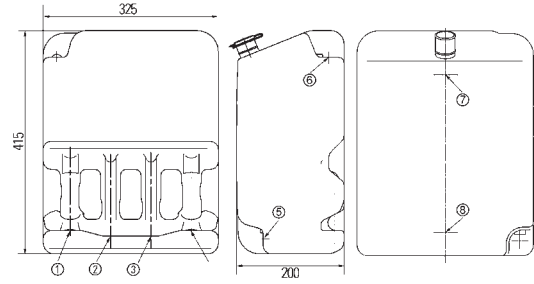
	8BW 003 966-007	8BW 003 966-047	8BW 003 966-057
Water pump	Position	Position	Position
8TW 004 223-031	-	2. in conjunction with adapter ring 9XD 856 165-005	-
8TW 004 223-061	-	2. in conjunction with adapter ring 9XD 856 165-005	-
8TW 004 764-041	2. in conjunction with grommet 9GD 853 490-007	-	-
8TW 005 496-011	-	-	-
8TW 005 496-051	-	-	2. in conjunction with grommet 9GD 853 918-006
8TW 005 206-011	-	2. in conjunction with adapter ring 9XD 856 165-005	-
8TW 005 206-031	-	2. in conjunction with adapter ring 9XD 856 165-005	-
8TW 005 206-051	-	2. in conjunction with adapter ring 9XD 856 165-005	-
8TW 004 764-021	-	-	-
8TW 005 535-091	-	-	-
8TW 007 540-037	2. in conjunction with adapter ring 9XD 856 165-005 and grommet 9GD 853 490-007	-	-
8TW 007 540-141	-	-	-



Application combinations Water pumps / Water tanks



**Water tank, 8.0 l
8BW 003 966-067**



**Water tank, 20.0 l
8BW 007 757-037**

Water pump	Position	Position
8TW 004 223-031	-	-
8TW 004 223-061	-	-
8TW 004 223-091	-	-
8TW 004 223-041	2. Plug not applicable	4. Plug and adapter not applicable
8TW 005 496-011	-	-
8TW 005 496-051	-	-
8TW 005 206-011	-	-
8TW 005 206-031	-	-
8TW 005 206-051	-	-
8TW 004 764-021	-	-
8TW 005 535-091	-	-
8TW 007 540-037	2. in conjunction with adapter ring, plug not applicable 9XD 856 165-005	4. Plug not applicable
8TW 007 540-141	-	-





Buzzer

5.02, 5.13

Reverse and warning alarm

5.03-5.04

Disc-type-horns

5.05-5.12

Supertone horns

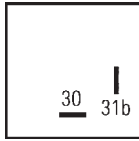
5.13-5.14

Electric twin-tone horns

5.15-5.16

Compressed air horns

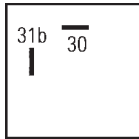
5.17-5.18



Buzzer

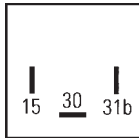
With bracket.
Two 6.3 mm blade terminal contacts.
Frequency: 500 Hz. Acoustic pressure level: 70dB(A) (1.0 m).
Operating temperature: -40 °C to +85 °C.

Part no.	Pk.	
3SB 003 985-047	170	Buzzer, 12V
3SB 003 985-061	1	24V
3SB 003 985-067	40	



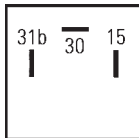
With cable set, bracket and installation material.
Two 6.3 mm blade terminal contacts.
Frequency: 325 Hz. Acoustic pressure level: 85dB(A) (0.17 m).
Operating temperature: -40 °C to +85 °C.

Part no.	Pk.	
3SB 004 438-161	1	Buzzer, 12V



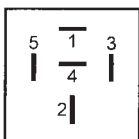
With Piezo technology, without bracket.
Three 6.3 mm blade terminal contacts.
Frequency: 3.4 KHz. Acoustic pressure level: 93 dB(A) (0.3 m).
Operating temperature: -30 °C to +85 °C.

Part no.	Pk.	
3SB 004 438-137	1	Buzzer, 12V



With Piezo technology.
Three 6.3 mm blade terminal contacts.
Frequency: 325 Hz. Acoustic pressure level: 85dB(A) (0.17 m).
Operating temperature: -40 °C to +85 °C.

Part no.	Pk.	
3SB 004 438-141	1	Buzzer, 12V, for Opel

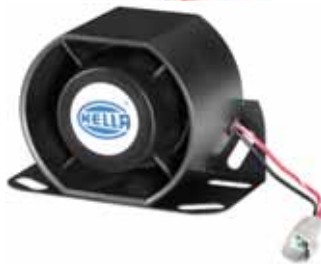


Without bracket.
Five 6.3 mm blade terminal contacts.
Frequency: 325 Hz. Acoustic pressure level: 85dB(A) (0.17 m).
Operating temperature: -40 °C to +85 °C.

Part no.	Pk.	
3SB 004 438-155	1	Buzzer, 24V, for Mercedes-Benz, Faun

Reverse and warning alarm

Black steel housing with integrated bracket for universal mounting.
 Acoustic pressure level generated by solid state electronic circuitry.
 Tested for electro-magnetic compatibility and to SAE standards.
 With protection against polarity reversal and voltage spikes.
 Operating temperature: -40 °C to +85 °C.
 Frequency: 60 signals per minute.
 Type of protection: IP5K9K, CE, SAE J994, e11.



Part no.	Pk.	
3SL 996 139-001	1	Voltage: 12V - 24V. Power requirement: 0.59A-0.71A. Acoustic pressure level: 87-112dB (1.2 m). Frequency: 1200 Hz \pm 20%. Reverse and warning alarm with variable output level for automatic adaptation to surroundings. Solid state electronic circuitry automatically adjusts to at least 5dB(A) above ambient noise level, with 160 mm connection lead
3SL 996 139-101	1	Voltage: 12V - 36V. Power requirement: 0.4A. Acoustic pressure level: 107dB(A) (1.2 m). Frequency: 1300 Hz \pm 20%. Reverse and warning alarm with 160 mm connection lead
3SL 996 139-111	1	Voltage: 12V - 36V. Power requirement: 0.4A. Acoustic pressure level: 112dB(A) (1.2 m). Frequency: 1250 Hz \pm 20%. Reverse and warning alarm with 160 mm connection lead
3SL 996 139-202	18	Voltage: 12V - 24V. Power requirement: 0.59A-0.71A. Acoustic pressure level: 87-112dB (1.2 m). Frequency: 1200 Hz \pm 20%. Reverse and warning alarm with variable output level for automatic adaptation to surroundings. Solid state electronic circuitry automatically adjusts to at least 5dB(A) above ambient noise level. With 140 mm connection lead and DEUTSCH 2-pole plug connector

Reverse and warning alarm

Black plastic housing.
 With integrated bracket for universal mounting.
 Acoustic pressure level generated by solid state electronic circuitry.
 Tested for electro-magnetic compatibility and to SAE standards.
 With protection against polarity reversal and voltage spikes.
 EPOXY encapsulated housing.
 Operating temperature: -40 °C to +85 °C.
 Frequency: 60 signals per minute: 1250 Hz ± 20%.

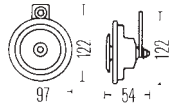


Part no.	Pk.	
3SL 009 148-001	1	Voltage: 12V - 24V Power requirement: 0.1A - 0.2A Acoustic pressure level: 90dB(A) (1.2 m). With integrated AMP plug. Reverse and warning alarm
3SL 009 148-011	1	Voltage: 12V - 24V Power requirement: 0.3A - 0.4A Acoustic pressure level: 97dB(A) (1.2 m). With integrated AMP plug. Reverse and warning alarm
3SL 009 148-021	1	Voltage: 12V - 24V Power requirement: 0.6A - 0.7A Acoustic pressure level: 107dB(A) (1.2 m). With integrated AMP plug. Reverse and warning alarm
3SL 009 148-061	1	Voltage: 12V - 48V Power requirement: 0.1A Acoustic pressure level: 97dB(A) (1.2 m). With integrated AMP plug. Reverse and warning alarm
3SL 009 148-071	1	Voltage: 12V - 24V Power requirement: 0.5A - 0.7A Acoustic pressure level: 102/102dB(A) (1.2 m). With connection cable. Reverse and warning alarm with second tone for additional function
3SL 009 148-101	1	Voltage: 12V - 24V Power requirement: 0.6A - 0.8A Acoustic pressure level: 82dB(A) - 102dB(A) (1.2 m). With integrated AMP plug. Reverse and warning alarm with variable output level for automatic adaptation to surroundings. Solid state electronic circuitry automatically adjusts to at least 5dB(A) above ambient noise level
9GH 993 984-001	20	Accessories: Rubber cap for AMP connector, 2-pin
9GH 993 984-007	250	
8KB 990 299-001	1	Wiring harness with AMP connector, 2-pin, 2000 mm long

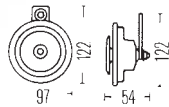
Disc-type-horns

M 26

Galvanized metal body, black diaphragm.
Sound pressure level 2 m away: 115 dB(A).
Power consumption: 66W per horn.
 Bracket on horn for M8 fixing screw.
 With 6.3 mm blade terminal contacts, open.
 Without teflon seal to protect against damp.

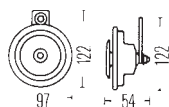


Part no.	Pk.	Contents:
		2 disc-type horns
3AM 002 952-891	1	Disc-type horn set, 12V, 335/400 Hz
3AL 002 952-811	1	Disc-type horn, 12V, 400 Hz
3AL 002 952-817	40	
3AL 002 952-861	1	12V, 335 Hz
3AL 002 952-867	40	



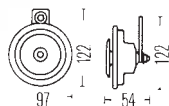
Galvanized metal body, black diaphragm.
Sound pressure level 2 m away: 115 dB(A).
Power consumption: 72W per horn.
 Bracket on horn for M8 fixing screw.
 With 6.3 mm blade terminal contacts, open.
 Teflon seal protects against damp.

Part no.	Pk.	Contents:
3AL 002 952-871	1	Disc-type horn, 24V, 335 Hz
3AL 002 952-877	40	



Special version for combines and other harvesting machines, continuous tone.
Galvanized metal body, black diaphragm.
Power consumption: 48W.
 Bracket on horn for M8 fixing screw.
 With 6.3 mm blade terminal contacts, open.
 Without teflon seal to protect against damp.

Part no.	Pk.	Contents:
3AL 002 952-887	40	Disc-type horn, 12V, 400 Hz



Galvanized metal body, black diaphragm.
Sound pressure level 2 m away: 115 dB(A).
Power consumption: 72W per horn.
 Bracket on horn with rivet nut for M8 fixing screw.
 With protected 6.3 mm blade terminal contacts.
 Teflon seal protects against damp.

Part no.	Pk.	Contents:
3AL 002 952-841	1	Disc-type horn, 12V, 335 Hz

Disc-type-horns

M 26

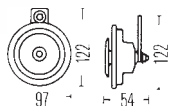
Black finish metal body and diaphragm, protective grille yellow.

Sound pressure level 2 m away: 115 dB(A).

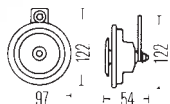
Power consumption: 84W.

Bracket on horn for M8 fixing screw.

With 6.3 mm blade terminal contacts, open.



Part no.	Pk.	Contents:
3BB 922 000-731	1	2 disc-type horns Disc-type horn set, 12V, 350/415 Hz



Galvanized metal body and diaphragm, black.

Sound pressure level 2 m away: 115 dB(A).

Power consumption: 54W.

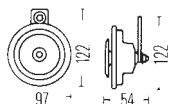
Bracket on horn with rivet nut for M8 fixing screw.

Teflon seal protects against damp.

With protected 6.3 mm blade type terminal contacts.

Teflon seal protects against damp.

Part no.	Pk.	Contents:
3AL 002 952-827	40	Disc-type horn, 12V, 400 Hz



Metal body with blackfront, black diaphragm.

Sound pressure level 2 m away: 115 dB(A).

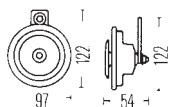
Power consumption: 48W.

Bracket on horn for M8 fixing screw.

With 6.3 mm blade terminal contacts, open.

Without teflon seal to protect against damp.

Part no.	Pk.	Contents:
3AL 002 952-857	40	Disc-type horn, 12V, 400 Hz



Galvanized metal body, black diaphragm.

Sound pressure level 2 m away: 115 dB(A).

Power consumption: 48W.

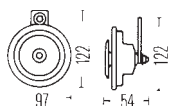
Bracket on horn for M8 fixing screw.

With 6.3 mm blade terminal contacts, open.

Without teflon seal to protect against damp,

with suppression capacitor.

Part no.	Pk.	Contents:
3AL 002 952-837	40	Disc-type horn, 12V, 400 Hz



Galvanized metal body, black diaphragm.

Sound pressure level 2 m away: 115 dB(A).

Power consumption: 72W per horn.

Bracket on horn for M8 fixing screw.

With 6.3 mm blade terminal contacts, open.

Without teflon seal to protect against damp,

with suppression diode.

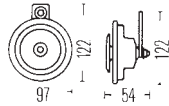
Part no.	Pk.	Contents:
3AL 002 952-907	40	Disc-type horn, 12V, 400 Hz

Disc-type-horns

M 26

Galvanized metal body, black diaphragm.
Sound pressure level 2 m away: 115 dB(A).
Power consumption: 48W.

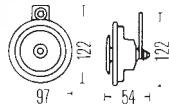
Bracket on horn for M8 fixing screw.
 With protected 6.3 mm blade type terminal contacts.
 Teflon seal protects against damp.



Part no.	Pk.	
3AL 002 952-917	40	Disc-type horn, 12V, 335 Hz

Galvanized metal body, black diaphragm.
Sound pressure level 2 m away: 115 dB(A).
Power consumption: 48W.

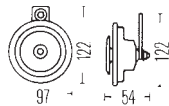
Bracket on horn for M8 fixing screw.
 With protected 6.3 mm blade type terminal contacts.
 Teflon seal protects against damp.
 With suppression diode.



Part no.	Pk.	
3AL 002 952-927	10	Disc-type horn, 24V, 335 Hz

Galvanized metal body, black diaphragm.
Sound pressure level 2 m away: 115 dB(A).
Power consumption: 72W per horn.

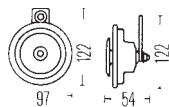
Bracket on horn for M8 fixing screw.
 With 6.3 mm blade terminal contacts, open.
 Teflon seal protects against damp.



Part no.	Pk.	
3AL 908 571-021	1	Disc-type horn, 12V, 400 Hz

Galvanized metal body, black diaphragm.
Sound pressure level 2 m away: 115 dB(A).
Power consumption: 66W per horn.

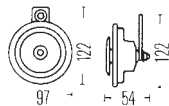
Bracket on horn with rivet nut for M8 fixing screw.
 With 6.3 mm blade terminal contacts, open.
 Teflon seal protects against damp.
 Negative-terminal on the body.



Part no.	Pk.	
3AL 908 571-031	1	Disc-type horn, 12V, 335 Hz

Galvanized metal body, black diaphragm.
Sound pressure level 2 m away: 115 dB(A).
Power consumption: 48W.

Bracket on horn with rivet nut for M8 fixing screw.
 Teflon seal protects against damp.
 With protected 6.3 mm blade type terminal contacts.
 Teflon seal protects against damp.



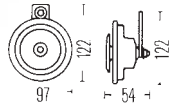
Part no.	Pk.	
3AL 006 958-807	40	Disc-type horn, 12V, 400 Hz, continuous tone

Disc-type-horns

M 26

Galvanized metal body, black diaphragm.
Sound pressure level 2 m away: 115 dB(A).
Power consumption: 66W per horn.

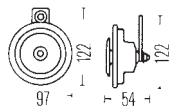
Bracket on horn for M8 fixing screw.
With 6.3 mm blade terminal contacts, open.
Teflon seal protects against damp.



Part no.	Pk.	
3AL 006 958-811	1	Disc-type horn, 12V, 400 Hz

Galvanized metal body, black diaphragm.
Sound pressure level 2 m away: 110 dB(A).
Power consumption: 84W.

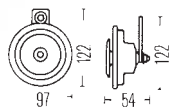
Bracket on horn for M8 fixing screw.
With 6.3 mm blade terminal contacts, open.
Without teflon seal to protect against damp.



Part no.	Pk.	
3AL 006 958-821	1	Disc-type horn, 24V, 400 Hz
3AL 006 958-827	40	

Galvanized metal body, black diaphragm.
Sound pressure level 2 m away: 115 dB(A).
Power consumption: 66W per horn.

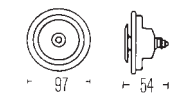
Bracket on horn for M8 fixing screw.
With protected 6.3 mm blade terminal contacts.
Teflon seal protects against damp.



Part no.	Pk.	
3AL 006 958-837	40	Disc-type horn, 12V, 400 Hz

Galvanized metal body, black diaphragm.
Sound pressure level 2 m away: 115 dB(A).
Without bracket.

Power consumption: 60W.
Bracket on horn for M8 fixing screw.
With 6.3 mm blade terminal contacts, open.
Without teflon seal to protect against damp.

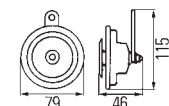


Part no.	Pk.	
3AL 006 958-857	40	Disc-type horn, 12V, 400 Hz

M 28

Black, galvanized metal body, black diaphragm.
Sound pressure level 2 m away: 110 dB(A).
Power consumption: 72W.

With 6.3 mm blade terminal contacts, open.
Bracket on horn for M10 fixing screw.
Teflon seal protects against damp.
With suppression diode.

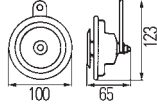


Part no.	Pk.	
3AL 007 425-427	40	Disc-type horn, 12V, 335 Hz
3AL 007 425-791	1	Disc-type horn with galvanized body 12V, 400 Hz

Disc-type-horns

M 100

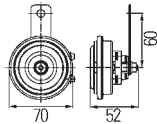
Black body and diaphragm.
Sound pressure level 2 m away: 113 dB(A).
Power consumption: 42W.
 With 6.3 mm blade terminal contacts, open.
 Bracket on horn for M8 fixing screw.
 Teflon seal protects against damp.



Part no.	Pk.	
3AL 922 300-207	10	Disc-type horn, 12V, 335 Hz

S 70

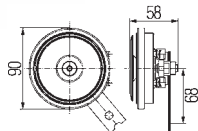
Black finish metal body, diaphragm and bracket.
Sound pressure level 2 m away: 112 dB(A).
Power consumption: 30W.
 Bracket on horn for M8 fixing screw.
 With 6.3 mm blade terminal contacts, open.
 Without teflon seal to protect against damp.



Part no.	Pk.	
3AL 922 196-011	1	Disc-type horn, 12V, 420 Hz
3AL 922 195-021	1	12V, 340 Hz

S 90

Black finish metal body, diaphragm and bracket.
Sound pressure level 2 m away: 113 dB(A).
Power consumption: 42W.
 Bracket on horn for M8 fixing screw.
 With 6.3 mm blade terminal contacts, open.
 Teflon seal protects against damp.

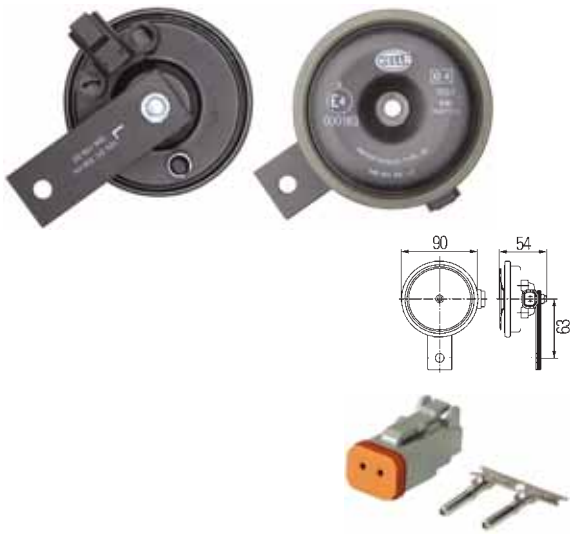


Part no.	Pk.	
3AL 922 200-431	1	Disc-type horn, 12V, 350 Hz
3AL 922 200-161	1	12V, 415 Hz

Disc-type-horns

S 90

Black finish metal body, diaphragm and bracket.
 Sound pressure level 2 m away: 113 dB(A).
 Power consumption: 42W.
 Bracket on horn for M8 fixing screw.
 Teflon seal protects against damp.



Part no.	Pk.	
3AL 922 200-761	1	Disc-type horn with DEUTSCH plug connector, 12V, 350 Hz
8JA 990 295-127	10	Accessories: DEUTSCH plug
3AL 922 200-617	10	Disc-type horn with protected 6.3 mm blade terminal contacts, 12V, 415 Hz

B 36

Galvanized metal body, black diaphragm.
 Sound pressure level 2 m away: 116 dB(A).
 Power consumption: 72W per horn.
 Bracket on horn for M8 fixing screw.
 With 6.3 mm blade terminal contacts, open.
 Without teflon seal to protect against damp.

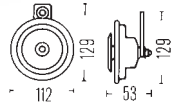


Part no.	Pk.	
3BB 002 768-661	1	Contents: 2 disc-type horns Disc-type horn set, 12V, 335/400 Hz
3BA 002 768-082	1	Disc-type horn, 12V, 335 Hz
3BA 002 768-551	1	Disc-type horn, 12V, 400 Hz

Disc-type-horns

B 36

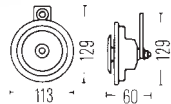
Galvanized metal body, black diaphragm.
 Sound pressure level 2 m away: 116 dB(A).
 Power consumption: 72W per horn.
 Bracket on horn for M8 fixing screw.
 Without teflon seal to protect against damp.



Part no.	Pk.	
3BA 002 768-382	1	Disc-type-horn, with 6.3 mm blade terminal contacts, open, 24V, 335 Hz
3BA 002 768-431	1	with protected 6.3 blade terminal contacts, 12V, 400 Hz
3BA 002 768-437	24	

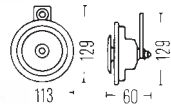


Galvanized metal body, black diaphragm.
 Sound pressure level 2 m away: 116 dB(A).
 Power consumption: 72W per horn.
 Bracket on horn for M8 fixing screw.
 With 6.3 mm blade terminal contacts, open.
 Teflon seal protects against damp.



Part no.	Pk.	
3BB 002 768-151	1	Contents: 2 disc-type horns Disc-type horn set, 12V, 335/400 Hz

Galvanized metal body, black diaphragm.
 Sound pressure level 2 m away: 116 dB(A).
 Power consumption: 72W per horn.
 Bracket on horn for M8 fixing screw.
 Teflon seal protects against damp.



Part no.	Pk.	
3BA 002 768-131	1	Disc-type horn with 6.3 mm blade terminal contacts, open, 12V, 335 Hz
3BA 002 768-651	1	24V, 335 Hz
3BA 002 768-201	1	with protected 6.3 blade terminal contacts, 24V, 400 Hz



Disc-type-horns

B 36

Black diaphragm.
Sound pressure level 2 m away: 116 dB(A).
Power consumption: 72W per horn.
 With DEUTSCH plug connector, 2-pole.
 Teflon seal protects against damp.



Part no.	Pk.	
3BA 922 200-827	24	Disc-type horn with galvanized body and bracket on horn for M10 fixing screw. 24V, 335 Hz
3BA 922 200-817	24	and bracket on horn for M8 fixing screw. 24V, 400 Hz
3BA 922 300-607	24	Disc-type horn with black metal body and bracket on horn for M8 fixing screw. 24V, 400 Hz

Galvanized metal body, black diaphragm.
Sound pressure level 2 m away: 116 dB(A).
Power consumption: 72W per horn.
 Bracket on horn for M8 fixing screw.
 With protected 6.3 mm blade terminal contacts.
 Teflon seal protects against damp.

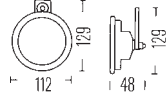


Part no.	Pk.	
3BA 002 768-427	24	Disc-type horn with galvanized body bracket with capable of rotating 80°, 24V, 335 Hz
3BA 002 768-441	1	bracket with capable of rotating 260°, 24V, 335 Hz
3BA 002 768-447	24	

For electric vehicles / alarm units.
Galvanized metal body.
 Bracket on horn for M10 fixing screw.
 With protected 6.3 mm blade terminal contacts.
 Teflon seal protects against damp.
 With suppression capacitor.



Part no.	Pk.	
3BA 002 768-771	1	Disc-type horn, 48V, 335 Hz, power consumption: 62W
3BA 002 768-777	24	
3BA 002 768-001	1	80V, 335 Hz, power consumption: 40W



Buzzer

Galvanized metal body, diaphragm grey.

Power consumption: 31W.

Screw connections M4.

Bracket on horn for M8 fixing screw.

Teflon seal protects against damp,

With suppression capacitor.

Part no.	Pk.	
3SB 002 768-031	1	Buzzer, 24V, 550 Hz

Supertone horns

B 133

For high-priority vehicles.

Sound pressure level 3.5 m away: 110 dB(A).

DIN 14 610/ CH 2098.

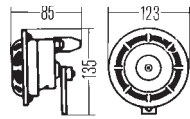
Black metal body and protective grille.

Bracket on horn for M10 fixing screw.

With protected 6.3 mm blade terminal contacts.

Teflon seal protects against damp, with anti-interference capacitor.

Grommet for protection against contact.



Part no.	Pk.	
3AG 003 399-081	1	Contents: 2 supertone horns 375/500 Hz Supertone horn-set, power consumption: 78W per horn, 12V
3AG 003 399-101	1	Supertone horn-set, power consumption: 84W per horn, 24V
3AF 003 399-041	1	Supertone horn, power consumption: 78W, 12V, 375 Hz
3AF 003 399-051	1	12V, 500 Hz
3AF 003 399-061	1	Supertone horn, power consumption: 84W, 24V, 375 Hz
3AF 003 399-071	1	24V, 500 Hz

**Extremely focused sound characteristics -
therefore highest penetration force -
particularly important for motorway driving.**

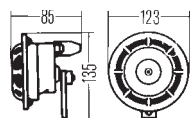
Sound pressure level 2 m away: 118 dB(A).

Black metal body and red protective grille.

Bracket on horn for M8 fixing screw M8.

With 6.3 mm blade terminal contacts, open.

Without teflon seal to protect against dam



Part no.	Pk.	
3AG 003 399-801	1	Contents: 2 supertone horns 310 Hz/380 Hz Supertone horn-set, power consumption: 66W per horn, 12V, 300/500 Hz

Supertone horns

For high-priority vehicles.

Sound pressure level 2 m away: 118 dB(A).

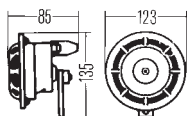
DIN 14 610/ CH 2098.

Black metal body and protective grille.

Bracket on horn for M10 fixing screw.

Teflon seal protects against damp, with anti-interference capacitor.

Grommet for protection against contact.



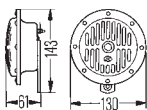
Part no.	Pk.	
3AF 003 399-327	24	Supertone horn with protected 6.3 mm blade terminal contacts, power consumption: 78W, 24V, 375 Hz
3AF 003 399-337	24	
3AF 003 399-347	24	Supertone horn, with 2-pole DEUTSCH plug connector, power consumption: 84W, 24V, 375 Hz
3AF 003 399-357	24	
8JA 990 295-127	10	Accessories: DEUTSCH plug

DL 50

Sound pressure level 2 m away: 114 dB(A).

Black metal body and protective grille.

Bracket on horn for M8 fixing screw.



Part no.	Pk.	
3CB 004 811-042	1	Contents: 2 supertone horns Supertone horn-set with 6.3 mm blade terminal contacts, open. Power consumption: 72W per horn, 12V, 310/380 Hz
3CA 004 811-001	1	Supertone horn with 6.3 mm blade terminal contacts, open. Power consumption: 72W, 12V, 310 Hz
3CA 004 811-011	1	
3CA 004 811-021	1	Supertone horn with 6.3 mm blade terminal contacts, open. Power consumption: 84W, 24V, 310 Hz
3CA 004 811-031	1	

Electric twin-tone horns

TE 16

Sound pressure level 2 m away: 110 dB(A).

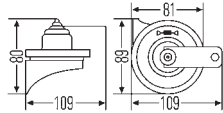
Power consumption: 72W per horn.

Galvanized body and bracket, black lacquered.

Trumpet made of plastic.

With 6.3 mm blade terminal contacts, open.

Bracket on horn for M8 fixing screw, capable of rotating 270°.



Part no.	Pk.	Contents:
		2 horns with red horn trumpet
		Electric twin-tone horn set, 12V, 400/500 Hz with relay
3FH 007 424-801	1	
3FH 007 424-811	1	without relay
		Electric twin-tone horn with red horn trumpet, 12V, 400 Hz
3FG 007 424-001	1	
3FG 007 424-011	1	12V, 500 Hz
		Electric twin-tone horn with black horn trumpet, 12V, 400 Hz
3FG 940 800-817	10	

Electric twin-tone horns

TE 16

Sound pressure level 2 m away: 110 dB(A).

Power consumption: 72W per horn.

Galvanized black metal body and bracket, black lacquered.

Trumpet made of plastic.

Bracket on horn for M8 fixing screw, capable of rotating 90°.



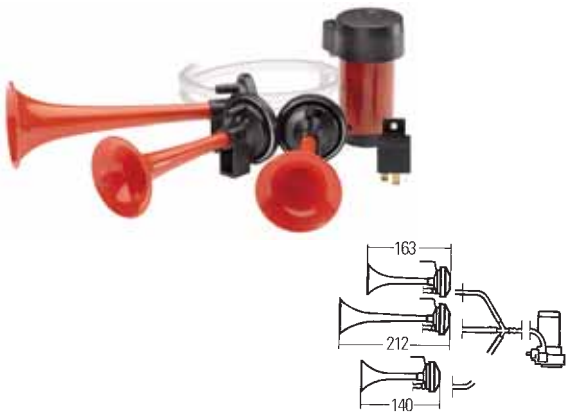
Part no.	Pk.	Contents:
3FH 007 728-831	1	<p>2 horns</p> <p>Electric twin-tone horn set with 6.3 mm blade terminal contacts, open, 12V, 400/500 Hz</p>
3FG 007 728-857	24	<p>Electric horn with DEUTSCH plug connector, 2-pole, 12V, 400 Hz</p>
3FH 007 728-861	1	<p>Contents: 2 horns with white horn trumpet</p> <p>Electric twin-tone horn set with 6.3 mm blade terminal contacts, open, 12V, 400/500 Hz</p>
3FH 007 728-871	1	<p>Contents: 2 horns with white horn trumpet and relay</p> <p>Electric twin-tone horn set with 6.3 mm blade terminal contacts, open,</p>

Compressed-air horns

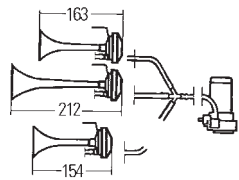
For vehicles without compressed-air brake systems.
 Sound pressure level 2 m away: 118 dB(A).
 Power consumption: 240W.



Part no.	Pk.	Contents:
		2 red trumpets, compressor, tubing, tee, relay and connecting elements.
		840 Hz = trumpet 163 mm long 780 Hz = trumpet 212 mm long
3PB 003 001-651	1	Twin-tone air horn, 12V
3PB 003 001-661	1	Twin-tone air horn, 24V



Part no.	Pk.	Contents:
		3 red trumpets, compressor, tubing, tee, relay and connecting elements.
		880 Hz = trumpet 140 mm long 820 Hz = trumpet 163 mm long 780 Hz = trumpet 212 mm long
3PD 003 001-671	1	Triple-tone air horn, 12V

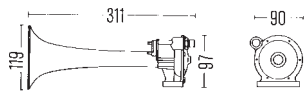


Part no.	Pk.	Contents:
		3 red trumpets, compressor, tubing, tee, relay and connecting elements.
		860 Hz = trumpet 154 mm long 820 Hz = trumpet 163 mm long 780 Hz = trumpet 212 mm long
3PD 003 001-681	1	Triple-tone air horn, 12V



For vehicles with compressed-air brake systems.
 Sound pressure level 2 m away: 118 dB(A).
 Power consumption: 36W at 12V, 48W at 24V.

Air pressure required: 6 - 8.3 bar.
 Suitable for 10 mm dia. compressed air pipe.
 housing made of diecast.
 Grey plastic trumpet.
 2 holes for M10 fixing screws.
 With 6.3 mm blade terminal contacts, open.

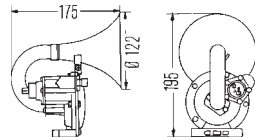


Part no.	Pk.	Contents:
3PA 004 206-041	1	Compressed-air horn, 12V, 400 Hz
3PA 004 206-011	1	24V, 400 Hz
3PA 004 206-051	1	24V, 400 Hz, without approval

Compressed-air horns

For vehicles with compressed-air brake systems.
 With curved trumpet.
 Sound pressure level 2 m away: 118 dB(A).
 Power consumption: 108W.

Air pressure required: 6 - 8.3 bar.
 Suitable for 8 mm dia. compressed air pipe.
 housing made of diecast.
 Grey plastic trumpet.
 2 holes for M10 fixing screws.
 With 6.3 mm blade terminal contacts.



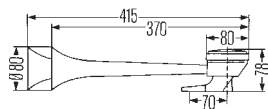
Part no.	Pk.	
3PA 004 206-031	1	Compressed-air horn, 24V, 350 Hz

Highway

For vehicles with compressed-air brake systems.

Air pressure required: 4 - 8.5 bar.

300 Hz (trumpet 295 mm long),
 320 Hz (trumpet 340 mm long).
 With 2 trumpets.
 Rustproof chrome housing with black base.



Part no.	Pk.	
3PB 005 411-001	1	Twin-tone compressed air horn
		Accessories: The air horn can be operated in the following 3 ways:
		Mounted on roof of cab. Operated by pull rod 120 cm length. 120 cm long.
9XL 715 989-001	1	Hand-operated valve
		Mounted on floor of cab. Operated by foot.
9XL 715 990-001	1	Foot-operated valve
		Mounted in engine compartment. Operated via horn push button. With 6.3 mm blade terminal contacts, open. Power consumption: 20W.
9XL 715 991-001	1	Electro valve, 24V





**Application chart
(indicating corresponding catalogue page)**

- Light commercial vehicles 6.02-6.03
- Commercial vehicles and buses 6.04-6.17
- Agricultural and construction machinery 6.18-6.19

Mirror program (for specific vehicles)

- Mercedes-Benz 6.20-6.29
- MAN 6.30-6.35
- Iveco 6.36-6.37
- Scania 6.38
- Volvo 6.39-6.41
- DAF 6.41
- Volkswagen 6.42-6.43
- Buses 6.44-6.55
- Agricultural and construction machinery 6.56
- Universal 6.57-6.63

Accessories

- Connecting cables 6.64
- Mirror arms 6.64-6.66

Caravan mirror 6.66



External mirrors

Concorde - Mercedes-Benz



Manufacturer Model	Model year	Part no.	Pk.	see Page	Manufacturer Model	Model year	Part no.	Pk.	see Page
Concorde					Mercedes-Benz				
Travel mobil		8SB 501 247-895 heated, 12V, upright, left	1	6.47	Sprinter Van (1980 mm vehicle width)	02/95 ->	8SB 507 042-001 manually adjustable, left	1	6.24
Travel mobil		8SB 501 247-905 heated, 12V, upright, right	1	6.47			8SB 507 043-001 manually adjustable, right	1	6.24
Hanomag-Henschel							8SB 507 042-011 electrically adjustable, heated, 12V, left	1	6.24
Small delivery vans and other trucks		8SB 002 997-001	1	6.61			8SB 507 043-011 electrically adjustable, heated, 12V, right	1	6.24
Hymer									
Mobil homes		8SB 501 156-021	1	6.32					
		8SB 501 156-031 heated, 24V	1	6.32					
		8SB 501 358-082 electrically adjustable, heated, 12V	1	6.25					
		8SB 501 147-021 Wide-angle mirror for mirror arms Ø 16 - 22 mm	1	6.35					
		8SB 501 147-031 Wide-angle mirror for mirror arms Ø 16 - 22 mm, heated, 24V	1	6.35					
Mobil homes		8SB 501 247-792 with wide-angle mirror, heated, 24V, hanging, right	1	6.46	Vario	10/96 ->	8SB 501 358-002 manually adjustable	1	6.25
Mobil homes		8SB 501 247-895 heated, 12V, upright, left	1	6.47			8SB 501 358-012 manually adjustable heated, 12V	1	6.25
Mobil homes		8SB 501 247-905 heated, 12V, upright, right	1	6.47			8SB 501 358-082 electrically adjustable, heated, 12V	1	6.25
							8SB 501 358-032 manually adjustable heated, 24V	1	6.25
							8SB 501 359-002 Wide-angle mirror, manually adjustable	1	6.25
							8SB 501 359-012 Wide-angle mirror, manually adjustable, heated, 12V	1	6.25
							8SB 501 359-022 Wide-angle mirror, manually adjustable, heated, 24V	1	6.25
LMC									
Travel mobil		8SB 501 247-895 heated, 12V, upright, left	1	6.47	207 D - 308 (T1, TN-series)	05/77 ->07/81	8SB 003 609-061	1	6.20
		8SB 501 247-905 heated, 12V, upright, right	1	6.47					
Mercedes-Benz									
L 206 - L 307 (T1-series)	->04/77	8SB 003 609-061	1	6.20	207 D - 410 (T1, TN-series)	08/81 ->02/95	8SB 004 288-001 for mirror arm Ø 10 mm	1	6.21
							8SB 004 288-092 for mirror arm Ø 18 mm	1	6.21
							8SB 004 288-103 heated, 12V, for mirror arm Ø 10 mm	1	6.21



External mirrors

Mercedes-Benz - Volkswagen



Manufacturer Model	Model year	Part no.	Pk.	see Page
Mercedes-Benz				
230 G - 300 GD (W 460)	05/79->	8SB 003 609-061	1	6.20
507 D - 814 D (T2, LN1-series)	01/86->	8SB 003 614-001	1	6.21
		8SB 003 614-081 heated, 12V	1	6.21
		8SB 003 614-011 heated, 24V	1	6.21
Mitsubishi				
Canter FE 306, FE 331, FE 334, FE 444, FB 436		8SB 002 995-011 black	1	6.24
Canter 8.5t	94->	8SB 501 147-003 Wide-angle mirror	1	6.35
Pajero		8SB 003 609-061	1	6.20
		8SB 003 614-091	1	6.21
Nissan				
Patrol		8SB 004 288-001 Mirror arm Ø 10 mm	1	6.21
Steyr				
230 G - 300 GD (W 460)	05/79->	8SB 003 609-061	1	6.20
Volkswagen				
LT I all models with M-equipment LT I 35 D - 45 D	04/75->	8SB 002 995-011 black	1	6.24
LT I 50 D LT I 28	08/83-> 90->	8SB 560 991-012	1	6.34
		8SB 560 991-041 heated, 24V	1	6.34
		8SB 501 045-002	1	6.42
		8SB 501 045-012 heated, 12V	1	6.42
Transporter (T2)		8SB 002 407-001	1	6.43
		8SB 002 407-011	1	6.43
Transporter (T4) Flatbed	09/90->04/03	9EY 562 033-003 Mirror glass, convex	1	6.42



External mirrors

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External mirrors

Auwärter E. - EvoBus



Manufacturer Model	Model year	Part no.	Pk.	see Page	Manufacturer Model	Model year	Part no.	Pk.	see Page
Auwärter E.					Büssing				
Buses		8SB 003 978-041 heated, 24V	1	6.22	Trucks to 7.5 t and over and buses, e.g. VÖV buses		8SB 002 993-001	1	6.33
		8SB 501 246-822 heated, 24V, left	1	6.45			8SB 002 405-001	1	6.55
		8SB 501 246-812 heated, 24V, right	1	6.45			8SB 002 405-011	1	6.55
		8SB 501 246-892 with wide-angle and door observation mirror, heated, 24V, right	1	6.45	Caetano				
Eurostar SHD		8SB 501 246-892 heated, 24V, right	1	6.45	Buses		8SB 501 081-031 tinted	1	6.23
Avia					DAF				
A 21 T, TF, TFC A 31 T-K, A 31 T-K, T-N, T-L, T-LL (Light-weight class)		8SB 501 156-021	1	6.32	CF 65, CF 75, CF 85	01/01 ->	8SB 354 507-001 electrically adjustable, heated, 24V	1	6.41
		8SB 501 156-031 heated, 24V	1	6.32	XF 95	09/02 ->		8SB 354 508-001 Wide-angle mirror, heated, 24V	1
					CF 65, CF 75, CF 85	01/01 ->	Complies with the EU Directive 2003/97/EG and 2003/38/EG		
					XF 95	09/02 ->			
					75, 85, 95	07/92 ->		9MX 564 250-001 Wide-angle mirror glass, heated, 24V for conversion of wide-angle mirror	1
Berkhof					Drögmöller				
Buses		8SB 501 246-834 with wide-angle mirror, heated, 24V, left	1	6.45	E 280 - E 440 (Travel coaches)		8SB 501 081-031 tinted	1	6.23
		8SB 501 246-803 with wide-angle mirror, heated, 24V, right	1	6.45	E 280, E 290 E 320 (Europullmann) E 330 H (Eurocomet) E 330 K (Minicomet) E 420 E 430 U (Supercomet) E 440 (Meteor)		8SB 501 081-041 tinted, heated, 24V	1	6.23
Buses		8SB 501 247-803 heated, 24V, upright, left	1	6.47	E 320 - E 430		8SB 501 246-892 heated, 24V, right	1	6.45
Buses		8SB 501 247-842 heated, 24V, upright, right	1	6.47	E 320, E 330, K E 330-11,3, E 330 H E 330 H-11,3 E 430				
Bova					EOS				
Futura	82->86	8SB 003 978-041 heated, 24V	1	6.22	Buses		8SB 501 246-822 heated, 24V, left	1	6.45
Futura	86->92	8SB 501 081-041 tinted, heated, 24V	1	6.23	EvoBus				
Futura		8SB 501 246-834 with wide-angle mirror, heated, 24V, left	1	6.45	Setra Van		8SB 501 247-803 heated, 24V, upright, left	1	6.47
		8SB 501 246-803 with wide-angle mirror, heated, 24V, right	1	6.45					



External mirrors

EvoBus - Iveco



Manufacturer Model	Model year	Part no.	Pk.	see Page	Manufacturer Model	Model year	Part no.	Pk.	see Page
EvoBus					Faun				
Buses		8SB 501 325-012 manually adjustable heated, 24V	1	6.31	Community service vehicles, skip lorries, e.g. D 35		8SB 003 290-001	1	6.34
		8SB 501 325-002 electrically adjustable, heated, 24V	1	6.31			8SB 003 290-011 heated, 24V	1	6.34
Combibus		8SB 501 401-802 left, heated, 24V, electrically adjustable	1	6.53	Heavy lorries for trailers Goliath, Gigant, Herkules, Koloss		8SB 002 994-001	1	6.60
		8SB 501 401-822 left, heated, 24V, manually adjustable	1	6.53			8SB 003 978-001	1	6.22
		8SB 501 403-802 right, heated, 24V, electrically adjustable	1	6.53	Fire-fighting crane RTT 50-4		8SB 003 978-041 heated, 24V	1	6.22
		8SB 501 403-822 right, heated, 24V, manually adjustable	1	6.53					
Citaro (O 530)	01/98->	8SB 501 401-802 left, heated, 24V, electrically adjustable	1	6.53	Fiat				
		8SB 501 401-822 left, heated, 24V, manually adjustable	1	6.53	see Iveco				
		8SB 501 402-802 right, heated, 24V, electrically adjustable	1	6.53	Hanomag-Henschel				
		8SB 501 402-822 right, heated, 24V, manually adjustable	1	6.53	Small delivery vans and other trucks		8SB 002 997-001	1	6.61
					Construction machines		8SB 002 993-001	1	6.33
					Hino				
					Trucks FD, FF, FG		8SB 003 978-001	1	6.36
							8SB 501 147-021 Wide-angle mirror for mirror arms Ø 16 - 22 mm	1	6.35
							8SB 501 147-031 Wide-angle mirror for mirror arms Ø 16 - 22 mm, heated, 24V	1	6.35
					Irisbus				
					Axer		8SB 501 403-802 right, heated, 24V, electrically adjustable	1	6.53
					Irizar				
					Century		8SB 501 246-803 with wide-angle mirror, heated, 24V, right	1	6.45
					Iveco				
					Trucks		8SB 002 993-001	1	6.33
					EuroCargo	09/00 ->03/06	Complies with the EU Directive 2003/97/EG and 2003/38/EG		
					EuroStar	01/93 ->02/02			
					EuroTech	01/92 ->03/06			
					EuroTrakker	01/93 ->11/04			
					Stralis	02/02 ->03/06	9MX 564 253-001 Wide-angle mirror glass, heated, 24V for conversion	1	6.37



External mirrors

Iveco - MAN



Manufacturer Model	Model year	Part no.	Pk.	see Page	Manufacturer Model	Model year	Part no.	Pk.	see Page
Iveco					Krupp				
EuroClass travel coach 380 HD, ND		8SB 501 247-803 heated, 24V, upright, left	1	6.47	Trucks		8SB 003 290-001	1	6.34
		8SB 501 246-892 with wide-angle and door observation mirror, heated, 24V, right	1	6.45			8SB 003 290-011 heated, 24V	1	6.34
110-13 A - 130-16 AH (MK-series)		8SB 003 978-001	1	6.22	LAG				
		8SB 003 978-041 heated, 24V	1	6.22	Buses		8SB 003 978-041 heated, 24V	1	6.36
120-13 ANW - 340-34 AH (P/PA-series construction vehicles)		8SB 003 290-001	1	6.34	LIAZ				
		8SB 003 290-011 heated, 24V	1	6.34	18.33 TBV, 19.33 TBV (Heavy-weight class)		8SB 501 156-021	1	6.32
160-17 - 340-34 AH Dumptruck						8SB 501 137-031 Safety manoeuvre mirror	1	6.35	
120-13 ANW - 330-36 HW Four-wheel-drive tipper					Liebherr				
Jonckheere					Vehicle cranes, e.g. 102 K slewing crane LTM 1040 - 3 telecrane LTM 1025 - LTM 1800 Automobile crane LTM 1120 (Progress 2000)		8SB 003 290-001	1	6.37
Travel coaches Jubilee, Deauville		8SB 003 978-041 heated, 24V	1	6.36		8SB 003 290-011 heated, 24V	1	6.37	
Overland bus Neuilly		8SB 501 081-031 tinted	1	6.23	MAN				
Route bus City 041 etc. travel coaches and route buses		8SB 501 081-041 tinted, heated, 24V	1	6.23	Buses		8SB 560 991-012	1	6.34
						8SB 560 991-041 heated, 24V	1	6.34	
Buses		8SB 501 325-032 electrically adjustable, heated, 12V	1	6.31		8SB 002 990-001	1	6.55	
		8SB 501 325-012 manually adjustable heated, 24V	1	6.31		8SB 003 978-001	1	6.22	
		8SB 501 325-002 electrically adjustable, heated, 24V	1	6.31		8SB 003 978-041 heated, 24V	1	6.22	
Kässbohrer						8SB 501 081-031 tinted	1	6.23	
Setra S 210 - S 250		8SB 003 978-001	1	6.32	Buses		8SB 501 247-822 with wide-angle mirror, heated, 24V, hanging, left	1	6.46
S 210 H, HI Travel coach		8SB 003 978-041 heated, 24V	1	6.32		8SB 501 311-842 with front end- and door observation mirror, heated, 24V, right	1	6.44	
S 213 UL					ÜL 313/353				
S 215 HDH/NR, S 216 HDS Super double-decker		8SB 501 081-031 tinted	1	6.23		8SB 501 247-812 heated, 24V, hanging, left	1	6.46	
S 219 SL urban route articulated bus		8SB 501 081-041 tinted, heated, 24V	1	6.23					
S 228 DT double- decker travel coach									
S 250 Special Regional, overland route bus									



External mirrors

MAN



Manufacturer Model	Model year	Part no.	Pk.	see Page	Manufacturer Model	Model year	Part no.	Pk.	see Page
MAN					MAN				
Solarisbuses Route buses City NG 263, NG 313 NL 263 NM 223, NM 313 NÜ 263		8SB 501 325-012 manually adjustable heated, 24V	1	6.31	12.152 - 24.272 (M 90)	08/88 ->	8SB 501 156-021	1	6.32
		8SB 501 325-002 electrically adjustable, heated, 24V	1	6.31		8SB 501 156-031 heated, 24V	1	6.32	
		8SB 501 325-032 electrically adjustable, heated, 12V	1	6.31		8SB 501 147-021 Wide-angle mirror for mirror arms Ø 16 - 22 mm	1	6.35	
ÜL 313/353		8SB 501 246-812 heated, 24V, right	1	6.45	19.242 - 48.502 (F 90)	08/88 ->09/94	8SB 501 156-021	1	6.32
Lions Star FRH 322, FRH 372, FRH 422		8SB 501 247-803 heated, 24V, upright, left	1	6.47		8SB 501 156-031 heated, 24V	1	6.32	
		8SB 501 246-892 with wide-angle and door observation mirror, heated, 24V, right	1	6.45		8SB 501 147-021 Wide-angle mirror for mirror arms Ø 16 - 22 mm	1	6.35	
Trucks F-types	70->	8SB 002 990-001	1	6.55	8SB 501 147-031 Wide-angle mirror for mirror arms Ø 16 - 22 mm, heated, 24V	1	6.35		
Trucks to 7.5 t		8SB 002 993-001	1	6.33	8SB 501 137-031 Safety manoeuvre mirror	1	6.35		
Trucks		8SB 002 991-001	1	6.56	19.293 - 48.603 (F 2000)	10/94 ->	8SB 501 325-012 manually adjustable heated, 24V	1	6.31
		8SB 501 081-031 tinted	1	6.23		8SB 501 325-002 electrically adjustable, heated, 24V	1	6.31	
8.113 - 10.224 (L 2000)	10/93->	8SB 501 325-012 manually adjustable heated, 24V	1	6.31		8SB 501 325-032 electrically adjustable, heated, 12V	1	6.31	
		8SB 501 325-002 electrically adjustable, heated, 24V	1	6.31					
		8SB 501 325-032 electrically adjustable, heated, 12V	1	6.31					
10.136 F, 10.150 F (G, G 90)	10/79->09/93	8SB 560 991-012	1	6.34					
		8SB 560 991-041 heated, 24V	1	6.34					
		8SB 501 137-031 Safety manoeuvre mirror	1	6.35					
11.136 - 38.320	10/75->	8SB 003 290-001	1	6.37					
		8SB 003 290-011 heated, 24V	1	6.37					



External mirrors

MAN - Mercedes-Benz



Manufacturer Model	Model year	Part no.	Pk.	see Page	Manufacturer Model	Model year	Part no.	Pk.	see Page
MAN					MAN				
7.150 - 12.240 (TGL)	04/05->	8SB 354 504-011 electrically adjustable, heated, 24V, left (RH traffic)	1	6.30	7.150 - 12.240 (TGL)	04/05 ->	Complies with the EU Directive 2003/97/EG and 2003/38/EG		
12.240 - 26.330 (TGM)	10/05->	8SB 354 504-021 electrically adjustable, heated, 24V, right (RH traffic)	1	6.30	12.240 - 26.330 (TGM)	10/05 ->		9MX 863 847-011 Ramp mirror glass, heated, 24V, left/right	1
18.310 - 41.660 (TGA)	03/00->	8SB 354 505-011 Wide-angle mirror, electrically adjustable, heated, 24V, left	1	6.30	18.310 - 41.660 (TGA)	03/00 ->	for conversion of ramp mirror 8SB 354 509-001		
		8SB 354 505-021 Wide-angle mirror, electrically adjustable, heated, 24V, right	1	6.30	MAN/VW				
		8SB 354 509-001 Ramp mirror, electrically adjustable, heated, 24V	1	6.30	6.90 F - 9.150 F (G, G 90-series)	10/79 ->09/93	8SB 560 991-012	1	6.34
							8SB 560 991-041 heated, 24V	1	6.34
							8SB 501 137-031 Safety manoeuvre mirror	1	6.35
					Mannesmann-Demag				
					Construction machines autom. cranes, e.g. AC 615, AC 1600, CT 40, TC 3600, TC 3800, TC/PC 4200 CC		8SB 003 290-001	1	6.34
					Mercedes-Benz				
					Older truck models		8SB 002 995-011 black	1	6.24
							8SB 002 995-001 grey	1	6.24
					Trucks		8SB 002 991-001	1	6.56
							8SB 002 993-001	1	6.33
7.150 - 12.240 (TGL)	04/05->	Complies with the EU Directive 2003/97/EG and 2003/38/EG							
12.240 - 26.330 (TGM)	10/05->		9MX 564 249-001 Mirror glass with heating element, 24V, left/right	1	6.30				
18.310 - 41.660 (TGA)	03/00->		for conversion of external mirror 8SB 354 504-011 and -021						
7.150 - 12.240 (TGL)	04/05->	Complies with the EU Directive 2003/97/EG and 2003/38/EG							
12.240 - 26.330 (TGM)	10/05->		9MX 863 839-011 Wide-angle mirror glass, heated, 24V, left/right	1	6.30				
18.310 - 41.660 (TGA)	03/00->		for conversion of external mirror 8SB 354 505-011 and -021						



External mirrors

Mercedes-Benz



Manufacturer Model	Model year	Part no.	Pk.	see Page	Manufacturer Model	Model year	Part no.	Pk.	see Page
Mercedes-Benz					Mercedes-Benz				
Actros	09/96->10/02				Actros	09/96 ->10/02			
Actros MP2	10/02->10/08	Mirror head, mirror glass and mounting element will be ordered and delivered separately			Actros MP2	10/02 ->05/07	Complies with the EU Directive 2003/97/EG and 2003/38/EG		
		8SB 507 044-001 Mirror head, heated, 24V, left	1	6.26			9MX 564 235-021 Wide-angle mirror glass, heated, 24V, highly convex	1	6.27
		8SB 507 044-011 Mirror head, electrically adjustable, heated, 24V, left	1	6.26			for conversion of wide-angle mirror 8SB 507 045-001		
		9MX 564 234-001 Mirror glass with heating element, 24V, convex	1	6.26	Atego I	01/98 ->09/04	Mirror head, mirror glass and mounting element will be ordered and delivered separately		
		9HD 564 236-001 Mounting element incl. cover	1	6.26			8SB 507 046-001 Mirror head, manually adjustable, heated, 24V	1	6.27
		8SB 507 045-001 Wide-angle mirror head, heated, 24V, right	1	6.27			8SB 507 046-011 Mirror head, electrically adjustable, heated, 24V	1	6.27
		9MX 564 235-001 Wide-angle mirror glass, heated, 24V, highly convex	1	6.27			9MX 564 235-011 Mirror glass with heating element, 24V, convex	1	6.27
		9HD 564 236-001 Mounting element incl. cover	1	6.27			8SB 507 045-001 Wide-angle mirror head, heated, 24V, right	1	6.27
Actros	09/96->10/02						9MX 564 235-001 Wide-angle mirror glass, heated, 24V, highly convex	1	6.27
Actros MP2	10/02->10/08	Complies with the EU Directive 2003/97/EG and 2003/38/EG					9HD 564 236-001 Mounting element incl. cover	1	6.27
		9MX 564 234-011 Mirror glass with heating element, 24V, convex	1	6.26					
		for conversion of external mirror 8SB 507 045-001 and -011							
Actros	09/96->10/02								
Actros MP2	10/02->10/08	Complies with the EU Directive 2003/97/EG and 2003/38/EG							
		8SB 507 050-001 Front mirror, with mirror arm, heated, 24V	1	6.29					



External mirrors

Mercedes-Benz



Manufacturer Model	Model year	Part no.	Pk.	see Page	Manufacturer Model	Model year	Part no.	Pk.	see Page
Mercedes-Benz					Mercedes-Benz				
Atego I	01/98->09/04	Complies with the EU Directive 2003/97/EG and 2003/38/EG 8SB 507 052-001 Front mirror, with mirror arm, heated, 24V	1	6.29	Atego II	10/04 ->	Mirror head, mirror glass and mounting element will be ordered and delivered separately 8SB 507 046-001 Mirror head, manually adjustable, heated, 24V	1	6.27
Atego I	01/98->09/04	Complies with the EU Directive 2003/97/EG and 2003/38/EG 9MX 564 235-021 Wide-angle mirror glass, heated, 24V, highly convex for conversion of wide-angle mirror 8SB 507 045-001	1	6.27			8SB 507 046-011 Mirror head, electrically adjustable, heated, 24V 9MX 564 235-011 Mirror glass with heating element, 24V, convex 8SB 507 045-001 Wide-angle mirror head, heated, 24V, right	1	6.27
							9MX 564 235-001 Wide-angle mirror glass, heated, 24V, highly convex 9HD 564 236-001 Mounting element incl. cover	1	6.27



External mirrors

Mercedes-Benz



Manufacturer Model	Model year	Part no.	Pk.	see Page	Manufacturer Model	Model year	Part no.	Pk.	see Page		
Mercedes-Benz					Mercedes-Benz						
Atego II	10/04->	Complies with the EU Directive 2003/97/EG and 2003/38/EG			Atego II	06/07 ->	Complies with the EU Directive 2003/97/EG and 2003/38/EG				
		8SB 507 053-001 manually adjustable heated, 24V, left	1	6.28			8SB 507 060-001 Ramp mirror, manually adjustable, left/right	1	6.28		
		8SB 507 053-011 manually adjustable heated, 24V, right	1	6.28							
		8SB 507 054-001 electrically adjustable, heated, 24V, left	1	6.28			Axor I	09/01 ->09/04	Mirror head, mirror glass and mounting element will be ordered and delivered separately		
		8SB 507 054-011 electrically adjustable, heated, 24V, right	1	6.28			8SB 507 046-001 Mirror head, manually adjustable, heated, 24V	1	6.27		
		8SB 507 056-001 Front mirror, with mirror arm, heated, 24V	1	6.29			8SB 507 046-011 Mirror head, electrically adjustable, heated, 24V	1	6.27		
		8SB 507 055-001 Wide-angle mirror, manually adjustable, left/right	1	6.28			9MX 564 235-011 Mirror glass with heating element, 24V, convex	1	6.27		
		8KA 188 581-001 Adapter lead 8SB 507 054-001/-011 for veh. ->06/10	1	6.28			8SB 507 045-001 Wide-angle mirror head, heated, 24V, right	1	6.27		
Atego II	10/04->	Complies with the EU Directive 2003/97/EG and 2003/38/EG			9MX 564 235-001 Wide-angle mirror glass, heated, 24V, highly convex	1	6.27				
		8SB 507 056-001 Front mirror, with mirror arm, heated, 24V	1	6.29	9HD 564 236-001 Mounting element incl. cover	1	6.27				



External mirrors

Mercedes-Benz



Manufacturer Model	Model year	Part no.	Pk.	see Page	Manufacturer Model	Model year	Part no.	Pk.	see Page
Mercedes-Benz					Mercedes-Benz				
Axor I	09/01->09/04	Complies with the EU Directive 2003/97/EG and 2003/38/EG			Axor II	10/04 ->	Mirror head, mirror glass and mounting element will be ordered and delivered separately		
		8SB 507 052-001 Front mirror, with mirror arm, heated, 24V	1	6.29			8SB 507 046-001 Mirror head, manually adjustable, heated, 24V	1	6.27
Axor I	09/01->09/04	Complies with the EU Directive 2003/97/EG and 2003/38/EG					8SB 507 046-011 Mirror head, electrically adjustable, heated, 24V	1	6.27
		9MX 564 235-021 Wide-angle mirror glass, heated, 24V, highly convex for conversion of wide-angle mirror 8SB 507 045-001	1	6.27			9MX 564 235-011 Mirror glass with heating element, 24V, convex	1	6.27
							8SB 507 045-001 Wide-angle mirror head, heated, 24V, right	1	6.27
							9MX 564 235-001 Wide-angle mirror glass, heated, 24V, highly convex	1	6.27
							9HD 564 236-001 Mounting element incl. cover	1	6.27



External mirrors

Mercedes-Benz



Manufacturer Model	Model year	Part no.	Pk.	see Page	Manufacturer Model	Model year	Part no.	Pk.	see Page		
Mercedes-Benz					Mercedes-Benz						
Axor II	10/04->	Complies with the EU Directive 2003/97/EG and 2003/38/EG			Axor II	06/07 ->	Complies with the EU Directive 2003/97/EG and 2003/38/EG				
		8SB 507 053-001 manually adjustable heated, 24V, left	1	6.28			8SB 507 060-001 Ramp mirror, manually adjustable, left/right	1	6.28		
		8SB 507 053-011 manually adjustable heated, 24V, right	1	6.28							
		8SB 507 054-001 electrically adjustable, heated, 24V, left	1	6.28			Econic	01/98 ->	Mirror head, mirror glass and mounting element will be ordered and delivered separately		
		8SB 507 054-011 electrically adjustable, heated, 24V, right	1	6.28			8SB 507 044-001 Mirror head, heated, 24V, left	1	6.26		
		8SB 507 056-001 Front mirror, with mirror arm, heated, 24V	1	6.29			8SB 507 044-011 Mirror head, electrically adjustable, heated, 24V, left	1	6.26		
		8SB 507 055-001 Wide-angle mirror, manually adjustable, left/right	1	6.28			9MX 564 234-001 Mirror glass with heating element, 24V, convex	1	6.26		
		8KA 188 583-001 Adapter lead 8SB 507 053-001/-011, 8SB 507 055-001 for veh. ->06/10	1	6.28			9HD 564 236-001 Mounting element incl. cover	1	6.26		
		8KA 188 581-001 Adapter lead 8SB 507 054-001/-011 for veh. ->06/10	1	6.28			8SB 507 045-001 Wide-angle mirror head, heated, 24V, right	1	6.27		
Axor II	10/04->	Complies with the EU Directive 2003/97/EG and 2003/38/EG			Econic	01/98 ->	Complies with the EU Directive 2003/97/EG and 2003/38/EG				
		8SB 507 056-001 Front mirror, with mirror arm, heated, 24V	1	6.29			9MX 564 234-011 Mirror glass with heating element, 24V, convex for conversion of external mirror 8SB 507 045-001 and -011	1	6.26		



External mirrors

Mercedes-Benz



Manufacturer Model	Model year	Part no.	Pk.	see Page	Manufacturer Model	Model year	Part no.	Pk.	see Page		
Mercedes-Benz					Mercedes-Benz						
Econic	01/98->05/07	Complies with the EU Directive 2003/97/EG and 2003/38/EG			Unimog		8SB 501 358-002 manually adjustable	1	6.25		
		9MX 564 235-021 Wide-angle mirror glass, heated, 24V, highly convex for conversion of wide-angle mirror 8SB 507 045-001	1	6.27			8SB 501 358-012 manually adjustable heated, 12V	1	6.25		
LP 608 - LP 1113 (LP-series)	01/79->	8SB 003 614-001	1	6.21	709 - 1524 (LK, LN2-series)	03/84 ->	8SB 003 614-001	1	6.21		
		8SB 003 614-081 heated, 12V	1	6.21			8SB 003 614-081 heated, 12V	1	6.21		
		8SB 003 614-011 heated, 24V	1	6.21			8SB 003 614-011 heated, 24V	1	6.21		
		8SB 003 978-001	1	6.22			8SB 003 978-001	1	6.22		
		8SB 003 978-041 heated, 24V	1	6.22			8SB 003 978-041 heated, 24V	1	6.22		
Route buses and travel coaches, etc. O 303/10 RHS, O 303/14 RHD, O 402, O 404, O 405 N/G		8SB 002 995-001 grey	1	6.24	1013 - 2632 (NG)	01/79 ->	8SB 003 978-001	1	6.22		
		8SB 003 614-001	1	6.21			8SB 003 978-041 heated, 24V	1	6.22		
		8SB 003 614-081 heated, 12V	1	6.21			1422 - 2633 (NG)	01/80 ->	8SB 501 081-031 tinted	1	6.23
		8SB 003 614-011 heated, 24V	1	6.21					8SB 501 081-041 tinted, heated, 24V	1	6.23
		8SB 003 978-001	1	6.22					8SB 501 081-082 with aspherical mirror glass, heated, 24V	1	6.23
		8SB 003 978-041 heated, 24V	1	6.22					1222 - 2534 (MK) 1729 - 4850 (SK)		8SB 501 274-001 für driver's side, manually adjustable, heated, 24V, left
			8SB 501 273-001 for passenger's side, electrically adjustable, heated, 24V, right	1	6.26						
Unimog 403 - 421	->06/78	8SB 002 994-001	1	6.60							
Unimog 425, 435	07/78->	8SB 003 290-001	1	6.34							



External mirrors

Mitsubishi - Sisu



Manufacturer Model	Model year	Part no.	Pk.	see Page	Manufacturer Model	Model year	Part no.	Pk.	see Page
Mitsubishi					Neoplan				
F 415, FH 100, FK 315		8SB 560 991-012	1	6.34	Buses Cityliner N, H Megaliner Skyliner Spaceliner		8SB 501 311-842 with front end- and door observation mirror, heated, 24V, right	1	6.44
		8SB 560 991-041 heated, 24V	1	6.34					
FK 455, FP 418, FU 418, FU 515, FV 438		8SB 003 290-001	1	6.34	Buses		8SB 501 247-842 heated, 24V, upright, right	1	6.47
Neoplan					O&K				
Buses, etc. Cityliner N 116 Spaceliner N 117/3 Skyliner N 122/3 Jetliner N 208 Airport service bus N 940 Metroliner N 4008 Low-platform busses N 4009, N 4021 SG, Transliner K	74->	8SB 003 290-011 heated, 24V	1	6.34	see Faun				
		8SB 003 978-001	1	6.36	ÖAF				
		8SB 003 978-041 heated, 24V	1	6.36	Special vehicles and buses, etc. ÜH 290 M 12, 41.332 VFAH, 48.700 VFAS		8SB 501 156-021	1	6.32
		8SB 501 156-031 heated, 24V	1	6.32			8SB 501 156-031 heated, 24V	1	6.32
		8SB 501 190-082 electrically adjustable, heated, 24V	1	6.57	various trucks		8SB 003 290-001	1	6.34
		8SB 501 191-202 electrically adjustable, heated, 24V	1	6.57			8SB 003 290-011 heated, 24V	1	6.34
					Saurer				
Buses Cityliner N, H Jetliner N, H, SHD Megaliner Skyliner Spaceliner Transliner, K, Ü, L, SHD		8SB 501 247-803 heated, 24V, upright, left	1	6.47	Trucks		8SB 003 290-001	1	6.34
Buses, etc. Jetliner N, H, SHD Transliner, K, Ü, L, SHD		8SB 501 246-822 heated, 24V, left	1	6.45	Scania				
		8SB 501 246-812 heated, 24V, right	1	6.45	Buses		8SB 501 247-803 heated, 24V, upright, left	1	6.47
		8SB 501 246-834 with wide-angle mirror, heated, 24V, left	1	6.45			8SB 501 311-842 with front end- and door observation mirror, heated, 24V, right	1	6.44
		8SB 501 246-803 with wide-angle mirror, heated, 24V, right	1	6.45	124, 144 (series 4)	09/95 ->09/04	9MX 564 242-001 Mirror glass for external mirror	1	6.38
		8SB 501 246-892 with wide-angle and door observation mirror, heated, 24V, right	1	6.45			9MX 564 243-001 Mirror glass for external mirror, heated, 24V	1	6.38
Buses Centroliner Cityliner N, H Skyliner Spaceliner Starliner		8SB 501 247-812 heated, 24V, hanging, left	1	6.46	Trucks		8SB 003 978-001	1	6.38
							8SB 003 978-041 heated, 24V	1	6.38
					Sisu				
					Trucks	06/85 ->	8SB 003 290-001	1	6.34



External mirrors

Steyr - Volvo



Manufacturer Model	Model year	Part no.	Pk.	see Page	Manufacturer Model	Model year	Part no.	Pk.	see Page
Steyr					Volvo				
9 S - 17 S	01/86->	8SB 501 081-031 tinted	1	6.23	FH 12, FH 16	08/93 ->12/01	9MX 564 215-012 Mirror glass for external mirror, heated, 24V, convex	1	6.39
19 S - 40 S	10/87->	8SB 003 978-001	1	6.32					
1291		8SB 003 978-041 heated, 24V	1	6.32					
Temsa									
Buses		8SB 501 246-822 heated, 24V, left	1	6.45	FH 12, FH 16	08/93 ->12/01	8SB 354 506-801 External mirror set incl. mirror arm, electrically adjustable, heated, 24V, left (RH traffic)	1	6.39
Van Hool									
Acron, Alizee, Astromega, Astron		8SB 003 978-001	1	6.22			8SB 354 506-811 External mirror set incl. mirror arm, electrically adjustable, heated, 24V, right (RH traffic)	1	6.39
		8SB 003 978-041 heated, 24V	1	6.22					
Buses		8SB 501 081-031 tinted	1	6.23	FM 10, FM 12	08/98 ->12/01	8SB 354 506-801 External mirror set incl. mirror arm, electrically adjustable, heated, 24V, left (RH traffic)	1	6.39
Buses		8SB 501 246-812 heated, 24V, right	1	6.45					
Buses		8SB 501 247-803 heated, 24V, hanging, left	1	6.47			8SB 354 506-811 External mirror set incl. mirror arm, electrically adjustable, heated, 24V, right (RH traffic)	1	6.39
Buses		8SB 501 247-812 heated, 24V, hanging, left	1	6.46					
Vetter									
Buses		8SB 003 290-011 heated, 24V	1	6.34					
Volvo									
Buses		8SB 501 246-822 heated, 24V, left	1	6.45					
		8SB 501 246-892 with wide-angle and door observation mirror, heated, 24V, right	1	6.45					
Trucks		8SB 003 978-001	1	6.22					
		8SB 003 978-041 heated, 24V	1	6.22					
F 7, F 10, F 12, F 16	12/77->	8SB 003 290-001	1	6.34					
		8SB 003 290-011 heated, 24V	1	6.34					



External mirrors

Atlas-Weyhausen - Hanomag-Henschel



Manufacturer Model	Model year	Part no.	Pk.	see Page	Manufacturer Model	Model year	Part no.	Pk.	see Page
Atlas-Weyhausen					Dieteg				
Wheel excavator		8SB 002 990-001	1	6.55	Tractors-, forklifts- and other cabs		8SB 002 997-001	1	6.61
AK 6002 T (telemast crane)		8SB 003 290-001	1	6.34			8SB 003 290-001	1	6.34
6500 M CTU (Loading/salvaging crane)		8SB 002 997-001	1	6.61			8SB 560 991-012	1	6.34
							8SB 002 407-001	1	6.43
							8SB 002 995-001	1	6.24
						8SB 002 995-011	1	6.24	
Case IH					Eicher				
Tractors		8SB 501 263-003	1	6.56	Tractors and agricultural machines		8SB 560 991-012	1	6.34
733 - 933 XL (B-series)		8SB 002 995-011	1	6.24			8SB 002 994-001	1	6.60
V 2120 - E 2150 (2100-series)		8SB 002 405-001	1	6.59	Wotan 3108, 3125, 3145 656 PB, PBA 666 PB, PBA 680 PAB				
1640 - 9000 (Combine harvester)		8SB 002 405-001	1	6.59					
Caterpillar					Fendt				
Construction machines		8SB 501 263-003	1	6.56	Tractors		8SB 002 991-001	1	6.56
Telescope loader		8SB 501 156-021	1	6.32	Farmer 102 - 105 S		8SB 002 994-001	1	6.60
		8SB 501 156-031 heated, 24V	1	6.32	Farmer 200 S - 280 P		8SB 002 997-001	1	6.61
		8SB 501 147-003 Wide-angle mirror	1	6.35			8SB 003 290-001	1	6.34
					Farmer 304 LS - 312 LSA		8SB 003 290-001	1	6.34
Claas					Favorit 600 LS - 626 LS				
Combine harvester		8SB 002 991-001	1	6.56			8SB 002 994-001	1	6.60
							8SB 003 290-001	1	6.34
Mannesmann-Demag					F 231 GT - F 275 KGT				
Construction machines autom. cranes, e.g. AC 615, AC 1600, CT 40, TC 3600, TC 3800, TC/PC 4200 CC		8SB 003 290-001	1	6.34			8SB 002 994-001	1	6.60
					F 345 GT - F 395 GHA				
							8SB 003 290-001	1	6.34
Deutz-Fahr					Fritzmeier				
Tractors		8SB 002 991-001	1	6.56	Cabs for tractors		8SB 002 994-001	1	6.60
Tractors		8SB 501 263-003	1	6.56	533-833 (Combi-Cab)		8SB 002 994-001	1	6.60
	DX 3.10 - DX 3.70 with variable cab		8SB 002 994-001	1		6.60	1350-2650 (Multi-Cab)		
DX 35 - DX 160		8SB 002 997-001	1	6.61	533/633 (Cab M 711)			8SB 002 997-001	1
		8SB 002 991-001	1	6.56	1350-2450 (Cab M 782)				
Dieteg					Hanomag-Henschel				
Cabs for tractors		8SB 002 994-001	1	6.60	Construction machines		8SB 002 993-001	1	6.33



Manufacturer Model	Model year	Part no.	Pk.	see Page
JCB				
Tractors		8SB 501 263-003	1	6.56
Mauser				
Cabs for tractors		8SB 004 288-001	1	6.21
		8SB 002 994-001	1	6.60
		8SB 003 609-061	1	6.20
Massey-Ferguson				
3000 - 3090		8SB 002 997-001	1	6.61
		8SB 002 994-001	1	6.60
135 - 185		8SB 002 994-001	1	6.60
Mercedes-Benz				
MB-Trac		8SB 002 994-001	1	6.60
Peco				
Cabs for tractors		8SB 002 994-001	1	6.60
Same				
Tractors		8SB 501 263-003	1	6.56
Scharwächter				
Cabs for tractors		8SB 002 994-001	1	6.60
Sennebogen				
Construction machines		8SB 501 263-003	1	6.56
Sirocco				
Cabs for tractors		8SB 002 994-001	1	6.60
Steyr				
Tractors		8SB 002 991-001	1	6.56
		8SB 501 263-003	1	6.56
Zetor				
Tractors 5211 - 16145		8SB 002 993-001	1	6.33
Zettermeyer				
Wheeled loader		8SB 003 290-001	1	6.37

External mirrors

Mercedes-Benz



Mercedes-Benz Unimog 403, 408, 421, Eicher, Faun, tractors with Dieteg-, Fritzmeier-, Peco-, Scharwächter- and Sirocco-cabines

Steel mirror head with black Durocoat finish.
 Mirror head: 265 x 160 mm.
 Mirror glass: 255 x 156 mm.
 Radius of curvature: 1400 mm.
 Mounted on 10 mm dia. arm.

Part no.	Pk.	
8SB 002 994-001	1	External mirror
9EY 117 127-001	2	Spare parts: Mirror glass



Safety manoeuvre mirror for mounting on the passenger side of the vehicle

Black plastic mirror head.
 Mirror head: 241 x 158 mm.
 Mirror glass: 233 x 148 mm.
 Radius of curvature: 800 mm.
 Adjustable by means of rotating ball support.
 With bracket and mounting flange for the passenger door pillar.

Part no.	Pk.	
8SB 002 995-151	1	Safety manoeuvre mirror



Mercedes-Benz 207D - 208 (T1, TN-series) 5/77->7/81, Cross-country vehicles (G-series), Mitsubishi, Steyr

Black plastic mirror head.
 Mirror head: 210 x 138 mm.
 Mirror glass: 198 x 129 mm.
 Radius of curvature: 1400 mm.
 Mounted on 10 mm dia. arm.

Part no.	Pk.	
8SB 003 609-061	1	External mirrors



Mercedes-Benz 207 D - 410 (T1, TN-series) 8/81->2/95

Black plastic mirror head.
Mirror head: 244 x 157 mm.
Mirror glass: 236 x 146 mm.
Radius of curvature: 2100 mm.



Part no.	Pk.	
8SB 004 288-001	1	External mirror, mounted on 10 mm dia. arm
8SB 004 288-092	1	mounted on 18 mm dia. arm
8SB 004 288-103	1	External mirror mounted on 10 mm dia. arm, heated, 12V
8KA 003 806-001	1	Accessories: Connecting cable with 2-pole plug, 2000 mm long

Mercedes-Benz LP 608 - 1113 1/79->

Black plastic mirror head.
Mirror head: 305 x 184 mm.
Mirror glass: 292 x 170 mm.
Radius of curvature: 2200 mm.
Monted on 18/22 mm dia. arms.



Part no.	Pk.	
8SB 003 614-001	1	External mirror without fixing material
9EY 122 979-001	2	Spare parts: Mirror glass
8SB 003 614-081	1	External mirror without fixing material, heated, 12V
8SB 003 614-011	1	without fixing material, heated, 24V
9MX 127 586-032	1	Spare parts/Accessories: Mirror glass with heating element for -081
9MX 127 586-001	1	for -011
8KA 003 806-001	1	Connecting cable with 2-pole plug, 2000 mm long
8HS 562 691-002	1	Fixing clamp for 18/22 mm dia. Arms



Mitsubishi Pajero

Black plastic mirror head.
Mirror head: 305 x 184 mm.
Mirror glass: 292 x 170 mm.
Radius of curvature: 2200 mm.
Mounted on vehicle-side mirror arm.

Part no.	Pk.	
8SB 003 614-091	1	External mirror without fixing material
9EY 122 979-001	2	Spare parts/Accessories: Mirror glass

External mirrors

Mercedes-Benz



Mercedes-Benz 1013-2632 (NG) 1/79->, MAN, Iveco, Neoplan, Kässbohrer, Hino, Steyr and Van Hool

Black plastic mirror head.
Mirror head: 367 x 182 mm.
Mirror glass: 355.5 x 169.5 mm.
Radius of curvature: 2100 mm.
Mounted on 18/22 mm dia. arms.

Complies with the EU Directive 2003/97

Part no.	Pk.	
8SB 003 978-001	1	External mirror without fixing material
9EY 125 314-001	1	Spare parts: Mirror glass

Mercedes-Benz 1013-2632 (NG) 1/79->, MAN, Iveco, Neoplan, Kässbohrer, Bova, Jonckheere, LAG, Steyr, Ernst Auwärter and Van Hool

Black plastic mirror head.
Mirror head: 367 x 182 mm.
Mirror glass: 355.5 x 169.5 mm.
Radius of curvature: 2200 mm.
Mounted on 18/22 mm dia. arms.



Part no.	Pk.	
8SB 003 978-041	1	External mirror without fixing material, 24V
9MX 127 585-002	1	Spare parts/Accessories: Mirror glass with heating element
8KA 003 806-001	1	Connecting cable with 2-pole plug, 2000 mm long
8HS 562 691-002	1	Fixing clamp for 18/22 mm dia. Arms



Mercedes-Benz 1422-2633 (NG) 1/80->, MAN and buses from Van Hool, Caetano and others

Black plastic mirror head.
 Mirror head: 422 x 200 mm.
 Mirror glass: 408 x 185.5 mm.
 Radius of curvature: 2200 mm.
 Mounted on 18 mm dia. arm.

Complies with the EU Directive 2003/97

Part no.	Pk.	
8SB 501 081-031	1	External mirror, tinted, with fixing material
9EY 561 445-001	1	Spare parts: Mirror glass

Mercedes-Benz and Bova buses

Black plastic mirror head.
 Mirror head: 422 x 200 mm.
 Mirror glass: 408 x 185.5 mm.
 Radius of curvature: 2200 mm.
 Mounted on 18 mm dia. arm.



Part no.	Pk.	
8SB 501 081-041	1	External mirror, tinted, without mounting hardware and fixing material, heated, 24V
9MX 561 449-001	1	Spare parts/Accessories: Mirror glass with heating element
8KA 003 806-001	1	Connecting cable with 2-pole plug, 2000 mm long
8HS 562 691-002	1	Fixing clamp for 18/22 mm dia. Arms

Mercedes-Benz

Two-part mirror head, with aspherical glass.
 Mirror head: 422 x 200 mm.
 Mirror glass: 408 x 186 mm.
 Radius of curvature: 1800 mm.
 Mounted on 18/22 mm dia. arms.

Complies with the EU Directive 2003/97



Part no.	Pk.	
8SB 501 081-082	1	External mirror with fixing material, heated, 24V

External mirrors

Mercedes-Benz



Mercedes-Benz trucks, older models

Mirror head: 246 x 158 mm.
Mirror glass: 241 x 150 mm.
Radius of curvature: 2200 mm.

Part no.	Pk.	
8SB 002 995-001	1	External mirror with hexagon nut and grey, plastic mirror head
8SB 002 995-111	1	with black plastic mirror head and hexagonal nut mount

Mercedes-Benz, Case International, Mitsubishi and VW

Part no.	Pk.	
8SB 002 995-011	1	External mirror with black plastic mirror head and round nut mount



Mercedes-Benz Sprinter Van (1980 mm vehicle width)

Black plastic mirror head.
Mirror head: 283 x 177 mm.
Mirror glass: 238 x 142 mm.
Radius of curvature: 2000 mm.
Mounted to integrated special bracket/clip.

Part no.	Pk.	
8SB 507 042-001	1	External mirror, manually adjustable, left
8SB 507 043-001	1	right
8SB 507 042-011	1	External mirror, electrically adjustable, heated, 12V, left
8SB 507 043-011	1	right



Mercedes-Benz Transporter Vario/Unimog

Black plastic mirror head.
 Mirror head: 336 x 194.5 mm.
 Mirror glass: 315 x 174 mm.
 Radius of curvature: 173.5 mm.
 Mounted on 22 mm dia. arm.



Part no.	Pk.	
8SB 501 358-002	1	External mirror, manually adjustable
8SB 501 358-012	1	manually adjustable, heated, 12V
8SB 501 358-082	1	electrically adjustable, heated, 12V
8SB 501 358-032	1	manually adjustable, heated, 24V
Spare parts:		
9MX 563 709-012	1	Mirror glass assembly for -002
9MX 563 716-032	1	Mirror glass assembly with heating element, 24V

Black plastic mirror head.
 Mirror head: 195 x 189 mm.
 Mirror glass: 174 x 168.5 mm.
 Radius of curvature: 450 mm.
 Mounted on 22 mm dia. arm.



Part no.	Pk.	
8SB 501 359-002	1	External mirror, manually adjustable
8SB 501 359-012	1	manually adjustable, heated, 12V
8SB 501 359-022	1	manually adjustable, heated, 24V
Spare parts:		
9MX 563 710-012	1	Mirror glass assembly for -002
9MX 563 717-032	1	Mirror glass assembly with heating element, 24V

External mirrors

Mercedes-Benz



Mercedes-Benz 1222 - 2534 (MK) 1729 - 4850 (SK)

Black plastic mirror head.
Mirror head: 440 x 182 mm.
Mirror glass: 427 x 169 mm.
Radius of curvature: 2000 mm.
Mounted on 28 mm dia. arm.



Part no.	Pk.	
8SB 501 274-001	1	External mirror for driver's side, manually adjustable, heated, 24V, (RH traffic), left
8SB 501 273-001	1	External mirrors for passenger's side, electrically adjustable, heated, 24V, (RH traffic), right
9EY 563 168-001	1	Spare parts: Mirror glass for original MB-mirror
9MX 563 167-001	5	with heating element, 24V



Mercedes-Benz Actros 09/96->10/02, Actros MP2 10/02->, Econic 01/98->

Black plastic mirror head.
Mirror head: 433 x 188 mm.
Mirror glass: 433 x 188 mm.
Radius of curvature: 2000 mm.
Mounted on 28 mm dia. arm.

Mirror head, -glass and holding element are not supplied.



Part no.	Pk.	
8SB 507 044-001	1	Mirror head, without glass,, manually adjustable, heated, 24V
8SB 507 044-011	1	electrically adjustable, heated, 24V
9MX 564 234-001	1	Mirror glass with heating element, 24V, convex.
9MX 564 234-011	1	Mirror glass with heating element, 24V, convex. Radius of curvature: 1200 mm. For conversion to the EU Directive 2003/97 and 2003/38
9HD 564 236-001	1	Holding element incl. cap 74 x 65 mm





**Mercedes-Benz Actros 09/96->10/02,
Actros MP2 10/02->,
Atego I 01/98->09/04,
Atego II 10/04->,
Axor 01/02->, Econic 01/98->**

Black plastic mirror head.
Mirror head: 200 x 200 mm.
Mirror glass: 200 x 200 mm.
Mounted on 28 mm dia. arm.

**Mirror head, -glass and holding element
are not supplied.**



Part no.	Pk.	
8SB 507 045-001	1	Wide-angle mirror head without glass, heated, 24V
9MX 564 235-001	1	Wide-angle mirror glass, heated, 24V, Radius of curvature: 450 mm
9MX 564 235-021	1	Wide-angle mirror glass, heated, 24V. Radius of curvature: 300 mm. For conversion to the EU Directive 2003/97 and 2003/38
9HD 564 236-001	1	Holding element incl. cap 74 x 65 mm



**Mercedes-Benz Atego I 01/98->09/04,
Atego II 10/04->,
Axor 01/02->**

Black plastic mirror head.
Mirror head: 380 x 170 mm.
Mirror glass: 378 x 168 mm.
Mounted on 28 mm dia. arm.

**Mirror head, -glass and holding element
are not supplied.**



Part no.	Pk.	
8SB 507 046-001	1	Mirror head, without glass,, manually adjustable, heated, 24V
8SB 507 046-011	1	electrically adjustable, heated, 24V
9MX 564 235-011	1	Mirror glass with heating element, 24V, convex. Radius of curvature: 1800 mm
9HD 564 236-001	1	Holding element incl. cap 74 x 65 mm

External mirrors

Mercedes-Benz



Mercedes-Benz Atego II 10/04->, Axor II 10/04->

Black plastic mirror head.
Mirror head: 200 x 200 mm.
Mirror glass: 200 x 200 mm.
Radius of curvature: 300 mm.
Mounted on 28 mm dia. arm.

Complies with the EU Directive 2003/97



Part no.	Pk.	
8SB 507 055-001	1	Wide-angle mirror, heated, 24V
Spare parts/Accessories:		
9MX 564 248-001	1	Mirror glass with heating element, 24V
9HD 564 236-011	1	Fastening hardware
8KA 188 583-001	1	Adapter cable ->06/2010



Mercedes-Benz Atego II 10/04->, Axor II 10/04->

Black plastic mirror head.
Mirror head: 435 x 215 x 129 mm.
Mirror glass: 431 x 186 mm.
Radius of curvature: 1200 mm.
Mounted on 28 mm dia. arm.

Complies with the EU Directive 2003/97 and 2003/38



Part no.	Pk.	
8SB 507 053-001	1	Mirror head, manually adjustable, heated, 24V, left
8SB 507 053-011	1	right
Mirror head, electrically adjustable, heated, 24V,		
8SB 507 054-001	1	left
8SB 507 054-011	1	right
Spare parts/Accessories:		
9MX 564 247-001	1	Mirror glass with heating element, 24V
9HD 564 236-011	1	Fastening hardware
8KA 188 583-001	1	Adapter cable
8KA 188 583-001	1	Adapter cable for 8SB 507 053-001/-011 ->06/2010
8KA 188 581-001	1	Adapter cable for 8SB 507 054-001/-011 ->06/2010



MB Axor II 06/07->, Atego II 06/07->

Mirror head: 293 x 153 mm.
Radius of curvature: 300 mm.

Complies with the EU Directive 2003/97 and 2003/38

Part no.	Pk.	
8SB 507 060-001	1	Ramp mirror, manually adjustable

MB Actros I 9/96->9/04, Actros II 10/04->

Mirror glass: Ø 250 mm.
Radius of curvature: 300 mm.
With 150 mm cable and 2-pole plug.

Complies with the EU Directive 2003/97 and 2003/38



Part no.	Pk.	
8SB 507 050-001	1	Front mirror, heated, 24V
9MX 564 246-001	1	Spare parts: Mirror glass with heating element, 24V



MB Axor I 1/98->9/04, Atego I 1/98->9/04

Mirror glass: Ø 250 mm.
Radius of curvature: 300 mm.
With 800 mm cable.

Complies with the EU Directive 2003/97 and 2003/38



Part no.	Pk.	
8SB 507 052-001	1	Front mirror, heated, 24V
9MX 564 246-001	1	Spare parts: Mirror glass with heating element, 24V

MB Axor II 10/04->, Atego II 10/04->

Mirror glass: Ø 250 mm.
Radius of curvature: 300 mm.

Complies with the EU Directive 2003/97 and 2003/38



Part no.	Pk.	
8SB 507 056-001	1	Front mirror, heated, 24V

External mirrors

Mercedes-Benz - MAN



MAN TGA 03/00->

Black plastic mirror head.
 Mirror head: 399 x 207 mm, left.
 Mirror head: 399 x 222 mm, right.
 Mirror glass: 379 x 176 mm.
 Radius of curvature: 2000 mm.
 Mounted on 28 mm dia. arm.



Part no.	Pk.	
8SB 354 504-011	1	External mirror, electrically adjustable, heated, 24V, left
8SB 354 504-021	1	right
Spare parts:		
		Mirror head with heating element, 24V, Radius of curvature: 2000 mm.
9MX 863 837-001	1	left
9MX 863 838-001	1	right
		Mirror head with heating element, 24V, Radius of curvature: 1200 mm. For conversion to the EU Directive 2003/97 and 2003/38,
9MX 564 249-001	1	left and right
		Cap,
9HB 863 835-001	1	left
9HB 863 836-001	1	right



MAN TGA 03/00->

Black plastic mirror head.
 Mirror head: 188 x 207 mm, left.
 Mirror head: 188 x 220 mm, right.
 Mirror glass: 177 x 176 mm.
 Radius of curvature: 450 mm.



Part no.	Pk.	
8SB 354 505-011	1	Wide-angle mirror, electrically adjustable, heated, 24V, left
8SB 354 505-021	1	right
Spare parts:		
		Mirror glass with heating element, 24V, Radius of curvature: 450 mm
		Mirror head with heating element, 24V, Radius of curvature: 300 mm. For conversion to the EU Directive 2003/97 and 2003/38
9MX 863 848-001	1	
9MX 863 839-011	1	
		Cap,
9HB 863 839-001	1	left
9HB 863 840-001	1	right



Black plastic mirror head.
 Mirror head: 324 x 185 mm.
 Mirror glass: 324 x 185 mm.
 Radius of curvature: 450 mm.
 Mounted to door frame.

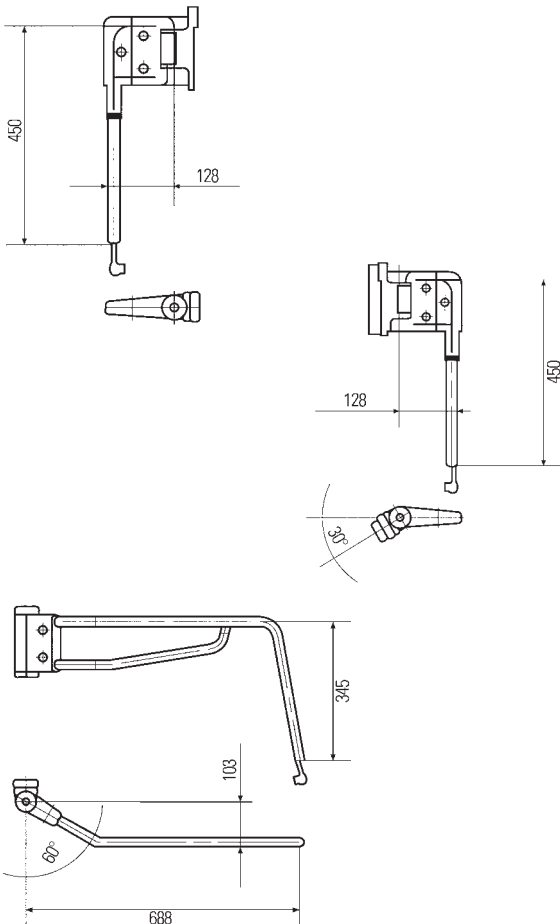


Part no.	Pk.	
8SB 354 509-001	1	Ramp mirror, electrically adjustable, heated, 24V
Spare parts:		
		Mirror head with heating element, 24V, Radius of curvature: 300 mm. For conversion to the EU Directive 2003/97 and 2003/38
9MX 863 847-011	1	

MAN F 2000, L 2000 9/94->, Jonckheere, EvoBus, Mobile homes

MAN buses for public transport and solar buses

Black plastic mirror head.
with removable cap on back.
Mirror head: 383 x 206 mm.
Mirror glass: 371 x 197 mm.
Radius of curvature: 2100 mm.
Mounted on 22 mm dia. arm.



Part no.	Pk.	
8SB 501 325-032	1	External mirror, electrically adjustable, heated, 12V
8SB 501 325-012	1	manually adjustable, heated, 24V
8SB 501 325-002	1	electrically adjustable, heated, 24V
Spare parts:		
9MX 563 468-002	1	Mirror glass carrier assembly for -012/-002, 24V
9HD 563 475-041	1	Cap
Accessories:		
8HG 503 009-022	1	Mirror arm with 6-pin round plug, left
8HG 503 009-082	1	right
8HG 503 019-012	1	Mirror arm right, with 2-pin round plug
8HG 503 019-022	1	with 6-pin intermediate plug

External mirrors

MAN



MAN 19.242 - 48.502 (F 90-series) 1/87->, 12.152 - 24.272 (M 90-series) 8/88->9/94, Neoplan, LIAZ, ÖAF, Van Hool, Avia, Hymer and Caterpillars Teleportas

Black plastic mirror head.
Mirror head: 375.5 x 186.5 mm.
Mirror glass: 364 x 175 mm.
Radius of curvature: 2200 mm.
Mounted on 15/20 mm dia. arms.



Part no.	Pk.	
8SB 501 156-021	1	External mirror
8SB 501 156-031	1	External mirrors heated, 24V
Spare parts/Accessories:		
9EY 120 010-001	5	Mirror glass for -021
9MX 561 891-001	1	with heating element for -031
8KA 500 218-002	1	Connecting cable with 2-pole plug, 1150 mm long



MAN, Mercedes-Benz, Iveco, Neoplan, Den Oudsten, Hainje, Hino, Steyr and Van Hool

Black plastic mirror head.
Mirror head: 367 x 182 mm.
Mirror glass: 355.5 x 169.5 mm.
Radius of curvature: 2100 mm.
Mounted on 18/22 mm dia. arms.

Complies with the EU Directive 2003/97

Part no.	Pk.	
8SB 003 978-001	1	External mirrors without fixing material
Spare parts:		
9EY 125 314-001	1	Mirror glass

MAN, Mercedes-Benz, Iveco, Neoplan, Bova, Den Oudsten, Hainje, Jonckheere, LAG, Steyr and Van Hool

Black plastic mirror head.
Mirror head: 367 x 182 mm.
Mirror glass: 355.5 x 169.5 mm.
Radius of curvature: 2200 mm.
Mounted on 18 mm dia. arm.

Complies with the EU Directive 2003/97



Part no.	Pk.	
8SB 003 978-041	1	External mirrors without fixing material, heated, 24V
Spare parts/Accessories:		
9MX 127 585-002	1	Mirror glass with heating element
8KA 003 806-001	1	Connecting cable with 2-pole plug, 2000 mm long
8HS 562 691-002	1	Fixing clamp for 18/22 mm dia. Arms



MAN F-series 70-> and buses

Grey, steel mirror head with Durocoat finish.
 Mirror head: 420 x 220 mm.
 Mirror glass: 410 x 210 mm.
 Radius of curvature: 1400 mm.
 Mounted on 18 mm dia. arm.

Without approval.

Part no.	Pk.	
8SB 002 990-001	1	External mirror
9EY 117 124-001	1	Spare parts: Mirror glass



MAN trucks up to 7.5t, Mercedes-Benz, Büssing and Iveco

Grey, steel mirror head with Durocoat finish.
 Mirror head: 260 x 180 mm.
 Mirror glass: 250 x 170 mm.
 Radius of curvature: 1400 mm.
 Mounted on 15 mm dia. arm.

Without approval.

Part no.	Pk.	
8SB 002 993-001	1	External mirror
9EY 117 125-001	1	Spare parts: Mirror glass

External mirrors

MAN



MAN 10.136, 10.150 (G, G 90-series) 10/79->9/93, MAN/VW 6.90 F - 9.150 F (G, G 90-series) 10/79->9/93, Mitsubishi, VW and buses

Black plastic mirror head.
Mirror head: 320 x 186 mm.
Mirror glass: 312.5 x 180 mm.
Radius of curvature: 2200 mm.

Complies with the EU Directive 2003/97



Part no.	Pk.	
8SB 560 991-012	1	External mirror, mounted on 16/18 mm dia. Arms
8SB 560 991-041	1	heated, 24V, mounted on 16/18 mm dia. arms
8SB 560 991-061	1	heated, 24V, mounted on 18/22 mm dia. arms
Spare parts/Accessories:		
9EY 561 042-002	1	Mirror glass for -012/-061
9MX 561 044-002	1	with heating element for -041
8KA 560 271-002	1	Connecting cable with 2-pole plug, 2000 mm long



MAN 11.136 - 38.320 10/75->, Mercedes-Benz, Faun, Iveco, Krupp, Liebherr, Mitsubishi, ÖAF, Sisu, Saurer, Volvo and Zettelmeyer

Black plastic mirror head.
Mirror head: 382 x 187 mm.
Mirror glass: 364 x 175 mm.
Radius of curvature: 2100 mm.
Mounted on 14/18 mm dia. arms.

Complies with the EU Directive 2003/97

Part no.	Pk.	
8SB 003 290-001	1	External mirrors
9EY 120 010-001	5	Spare parts: Mirror glass

Neoplan, Iveco, Liebherr and Vetter

Adapted, can also be used for some commercial vehicles as mirror 8SB 003 290-001.

Black plastic mirror head.
Mirror head: 382 x 187 mm.
Mirror glass: 364 x 175 mm.
Radius of curvature: 2100 mm.
Mounted on 16/18 mm dia. arms.

Complies with the EU Directive 2003/97



Part no.	Pk.	
8SB 003 290-011	1	External mirror, heated, 24V
9MX 560 096-002	5	Spare parts/Accessories: Mirror glass with heating element
8KA 560 271-002	1	Connecting cable with 2-pole plug, 2000 mm long

MAN G, G 90-series and all trucks over 7.5 t

Black plastic mirror head.
 Mirror head: 247 x 157 mm.
 Mirror glass: 245 x 155 mm.
 Radius of curvature: 450 mm.
 With universal bracket for passenger door pillar.



Part no.	Pk.	
8SB 501 137-031	1	Approach mirror
8SB 501 137-001	1	Spare parts: Mirror head

MAN M 90 and F 90-series 8/88->9/94

Black plastic mirror head.
 Mirror head: 211 x 161 mm.
 Mirror glass: 200 x 150 mm.
 Radius of curvature: 450 mm.



Part no.	Pk.	
8SB 501 147-021	1	Wide-angle mirror mounted on 16/22 mm dia. arms
8SB 501 147-031	1	heated, 24V
9EY 561 814-001	1	Spare parts/Accessories: Mirror glass for -021
9MX 561 890-001	1	with heating element for -031
8KA 500 218-002	1	Connecting cable with 2-pole plug, 1500 mm long

Mitsubishi

Black plastic mirror head.
 Mirror head: 211 x 161 mm.
 Mirror glass: 200 x 150 mm.
 Radius of curvature: 450 mm.

Part no.	Pk.	
8SB 501 147-003	1	Wide-angle mirror mounted on 18/22 mm dia. arms
9EY 561 814-001	1	Spare parts: Mirror glass

External mirrors

Iveco



Iveco, MAN, Mercedes-Benz, Neoplan, Bova, Den Oudsten, Hainje, Hino, Steyr and Van Hool

Black plastic mirror head.
Mirror head: 367 x 182 mm.
Mirror glass: 355.5 x 169.5 mm.
Mounted on 18/22 mm dia. arms.

Complies with the EU Directive 2003/97

Part no.	Pk.	
8SB 003 978-001	1	External mirror, radius of curvature: 2100 mm, without fixing material
9EY 125 314-001	1	Spare parts/Accessories: Mirror glass
8HS 562 691-002	1	Fixing clamp for 18/22 mm dia. Arms

Iveco, MAN, Mercedes-Benz, Neoplan, Bova, Den Oudsten, Hainje, Jonckheere, AG, Steyr and Van Hool

Black plastic mirror head.
Mirror head: 367 x 182 mm.
Mirror glass: 355.5 x 169.5 mm.
Radius of curvature: 2200 mm.
Mounted on 18 mm dia. arm.

Complies with the EU Directive 2003/97



Part no.	Pk.	
8SB 003 978-041	1	External mirror without fixing material, 24V
9MX 127 585-002	1	Spare parts/Accessories: Mirror glass with heating element
8KA 003 806-001	1	Connecting cable with 2-pole plug, 2000 mm long
8HS 562 691-002	1	Fixing clamp for 18/22 mm dia. Arms



Iveco, MAN, Mercedes-Benz, Faun, Krupp, Liebherr, Mitsubishi, ÖAF, Sisu, Saurer, Volvo and Zettelmeyer

Black plastic mirror head.
 Mirror head: 382 x 187 mm.
 Mirror glass: 364 x 175 mm.
 Radius of curvature: 2100 mm.
 Mounted on 14/18 mm dia. arms.

Complies with the EU Directive 2003/97

Part no.	Pk.	
8SB 003 290-001	1	External mirror
9EY 120 010-001	5	Spare parts: Mirror glass

Iveco, Neoplan, Liebherr and Vetter

Adapted, can also be used for some commercial vehicles as mirror 8SB 003 290-001.
 Black plastic mirror head.
 Mirror head: 382 x 187 mm.
 Mirror glass: 364 x 175 mm.
 Radius of curvature: 2100 mm.
 Mounted on 16/18 mm dia. arms.

Complies with the EU Directive 2003/97



Part no.	Pk.	
8SB 003 290-011	1	External mirror, heated, 24V
9MX 560 096-002	5	Spare parts/Accessories: Mirror glass with heating element
8KA 560 271-002	1	Connecting cable with 2-pole plug, 2000 mm long



**Iveco EuroCargo 9/00->3/06,
 EuroStar 1/93->2/02,
 EuroTech 1/92->3/06,
 EuroTrakker 1/93->11/04,
 Stralis 2/02->3/06**

Mirror glass: 200 x 175 mm.
 Radius of curvature: 300 mm.

Complies with the EU Directive 2003/97 and 2003/38



Part no.	Pk.	
9MX 564 253-001	1	Mirror glass for wide-angle mirror, heated, 24V, left and right

External mirrors

Scania



Scania

Black plastic mirror head.
 Mirror head: 367 x 182 mm.
 Mirror glass: 355.5 x 169.5 mm.
 Mounted on 18/22 mm dia. arms.

Complies with the EU Directive 2003/97



Part no.	Pk.	
8SB 003 978-001	1	External mirror, radius of curvature: 2100 mm, without fixing material
8SB 003 978-041	1	radius of curvature: 2200 mm, without fixing material, heated, 24V
9EY 125 314-001	1	Spare parts/Accessories: Mirror glass for -001
9MX 127 585-002	1	Mirror glass with heating element for -041
8KA 003 806-001	1	Connecting cable with 2-pole plug, 2000 mm long
8HS 562 691-002	1	Fixing clamp for 18/22 mm dia. Arms



Scania 124/144 (400-series) 96->

Mirror glass: 431 x 201 mm.
 Radius of curvature: 2000 mm.



Part no.	Pk.	
9MX 564 242-001	1	Mirror glass for main mirror, left and right
9MX 564 243-001	1	heated, 24V, left and right



Mirror glass: 186 x 163 mm.
 Radius of curvature: 400 mm.



Part no.	Pk.	
9MX 564 244-001	1	Mirror glass for wide-angle mirror, heated, 24V, left and right

Volvo

Black plastic mirror head.
 Mirror head: 367 x 182 mm.
 Mirror glass: 355.5 x 169.5 mm.
 Mounted on 18/22 mm dia. arms.

Complies with the EU Directive 2003/97



Part no.	Pk.	
8SB 003 978-001	1	External mirror, radius of curvature: 2100 mm, without fixing material
8SB 003 978-041	1	radius of curvature: 2200 mm, without fixing material, heated, 24V
Spare parts/Accessories:		
9EY 125 314-001	1	Mirror glass for -001
9MX 127 585-002	1	Mirror glass with heating element for -041
8KA 003 806-001	1	Connecting cable with 2-pole plug, 2000 mm long
8HS 562 691-002	1	Fixing clamp for 18/22 mm dia. Arms

Volvo FH-series 08/93->12/01, FM-series 08/98->12/01

Black plastic mirror head.
 Mirror head: 469 x 440 mm.
 Mirror glass: 433 x 198 mm.
 Radius of curvature: 2000 mm.
 Mirror arm integrated.



Part no.	Pk.	
8SB 354 506-801	1	External mirror set incl. mirror arm, electrical adjustable, heated, 24V, left
8SB 354 506-811	1	right
Spare parts/Accessories:		
9MX 564 215-012	1	Mirror glass, heated, 24V

External mirrors

Volvo



Volvo FH II 04/02->, FM II 04/02->

Black plastic mirror head.
 Mirror head: 268 x 158 mm.
 Mirror glass: 256 x 146 mm.
 Radius of curvature: 300 mm.
 Bracket are mounted.

Part no.	Pk.	
		For vehicles with sleeping cabin. Assembly on the passenger side.
8SB 179 177-001	1	Front mirror for left hand drive
8SB 179 177-011	1	Front mirror for right hand drive
For vehicles with low cabins. Installed on the passenger side.		
8SB 179 178-001	1	Front mirror for left hand drive
8SB 179 178-011	1	Front mirror for right hand drive

Volvo FH II, FM II 4/02->

Main mirror head: 460 x 250 mm.
 Main mirror glass: 426 x 190,5 mm.
 Wide-angle mirror head: 235 x 215 mm.
 Wide-angle mirror glass: 194 x 185 mm.
 Radius of curvature main mirror: 1200 mm.
 Radius of curvature wide-angle mirror: 300 mm.

Complies with the EU Directive 2007/38



Part no.	Pk.	
		For left hand drive
		Main mirror with wide-angle mirror, heated, 24V, left
8SB 010 382-031	1	
8SB 010 382-041	1	right
For RH traffic,		
		Main mirror with wide-angle mirror, heated, 24V, left
8SB 010 382-011	1	
8SB 010 382-021	1	right
Spare parts:		
9MX 179 057-001	1	Mirror glass with heating element for main mirror
9HD 179 059-001	1	Cap for main mirror
9MN 179 060-011	1	Actuator for -011/-031
9MN 179 060-021	1	for -021/-041
Wide-angle mirror, heated, 24V, left		
8SB 179 408-011	1	
8SB 179 408-021	1	right
Spare parts:		
9MX 179 055-001	1	Mirror glass with heating element
9HD 179 058-001	1	Cap,





Volvo FH II, FM II 4/02->, FM-series 1/00->, FH-series 1/00->, FL6 1/00->

Mirror head: 275 x 170 mm.
Mirror glass: 2725 x 159 mm
Radius of curvature: 300 mm.

Complies with the EU Directive 2007/38

Part no.	Pk.	
8SB 179 176-001	1	Ramp mirror, manually adjustable



DAF CF, XF

Black plastic mirror head.
Mirror head: 384 x 205 mm.
Mirror glass: 368 x 189 mm.
Radius of curvature: 2000 mm.
Mounted on 22 - 28 mm dia. arms.



Part no.	Pk.	
8SB 354 507-001	1	External mirror, electrically adjustable, heated, 24V
9MX 863 845-001	1	Spare parts: Mirror glass with heating element, 24V
9HB 863 833-001	1	Cap



Black plastic mirror head.
Mirror head: 219 x 170 mm.
Mirror glass: 203 x 154 mm.
Radius of curvature: 450 mm.
Mounted on 22 - 28 mm dia. arms.



Part no.	Pk.	
8SB 354 508-001	1	Wide-angle mirror, manually adjustable, heated, 24V
9MX 863 846-001	1	Spare parts: Mirror glass with heating element, 24V, Radius of curvature: 450 mm
9MX 564 250-001	1	Mirror head with heating element, 24V. Radius of curvature: 300 mm. For conversion to the EU Directive 2003/97 and 2003/38
9HB 863 834-001	1	Cap

External mirrors

Volkswagen



Volkswagen LT, old model

Black plastic mirror head.
Mirror head: 255 x 165 mm.
Mirror glass: 245 x 156 mm.
Radius of curvature : 2200 mm.
Mounted on 18/22 mm dia. arms.



Part no.	Pk.	
8SB 501 045-002	1	External mirror without fixing material
8SB 501 045-012	1	heated, 12V



Volkswagen T4 Transporter Platform truck 09/90 ->

Convex mirrorglass: 53,5 x 161,7 mm.

Part no.	Pk.	
9EY 562 033-003	1	Mirror glass

Volkswagen T2 Transporter

Grey, steel mirror head with Durocoat finish.
 Mirror head: 192 x 124 mm.
 Mirror glass: 185 x 118 mm.
 Radius of curvature: 1400 mm.
 Mounted on 10/12 mm dia. arms.

Without approval



Part no.	Pk.	
8SB 002 407-001	1	Secured by means of fixing clamp with reducing sleeve. External mirror
8SB 002 407-011	1	Secured by means of ball support with reducing sleeve.

E.g. for MAN, Neoplan and Scania



Black plastic mirror head and arm.
 Driving mirror electrically adjustable.
 Front end observation mirror and door observation mirror manually adjustable.

Radius of curvature:
 Driving mirror: 2100 mm.
 Front end observation mirror: 240 mm.
 Door observation mirror: 240 mm.

Complies with the EU Directive 2003/97

Part no.	Pk.	
		External mirrors with front end observation - and door observation mirror, heated, 24V, (RH traffic), right
8SB 501 311-842	1	
		Spare parts:
9BG 562 812-002	1	Housing upper support
9BG 562 814-002	1	Housing bottom support
9MX 562 841-002	1	Mirror glass carrier for main mirror
9GH 562 803-002	1	Bellows
9HB 563 317-052	1	Arm cover assembly
9HD 562 802-012	1	Cap
9XD 563 637-012	1	Holder assembly
8HS 563 390-002	1	Fastening hardware assembly for holder
9BP 563 482-002	1	Support holder assembly
9SV 562 840-003	1	Cover mounting assembly
6GM 500 212-002	1	Double switch, 24V
8JA 500 431-002	1	Collective plug for double switch
9MN 562 843-022	1	Adjustment drive, 24V



**For buses and mobile homes
e. g. for MAN, Neoplan, Jetliner,
Transliner, Drögmöller E 320/330/470,
Bova Futura, Kovex, Irizar, Berghof,
Ernst Auwärter, Van Hool**

Black plastic mirror head and arm.
Driving mirror electrically adjustable.
Wide-angle mirror and door observation mirror manually adjustable.
Driving mirror: 375 x 165 mm. Wide-angle mirror: 145 x 170 mm.
Radius of curvature:
Driving mirror: 2100 mm.
Wide-angle mirror: 450 mm.
Door observation mirror: 240 mm.
Fastened to dovetail.

Complies with the EU Directive 2003/97



Part no.	Pk.	
8SB 501 246-822	1	External mirror, heated, 24V, (RH traffic), left
8SB 501 246-812	1	right
8SB 501 246-834	1	External mirror with wide-angle mirror, heated, 24V, (RH traffic), left
8SB 501 246-803	1	right
8SB 501 246-892	1	External mirrors with wide-angle - and door observation mirror, heated, 24V, right
8SB 501 246-431	1	with wide-angle - and observation mirror, heated, 24V, right
Spare parts:		
9BG 562 812-002	1	Housing upper support
9BG 562 813-002	1	Housing centre section
9BG 562 814-002	1	Housing bottom support
9MX 562 841-002	1	Mirror glass carrier for main mirror
9MX 562 846-002	1	Mirror glass carrier for wide-angle mirror
8SB 501 346-032	1	Door observation mirror (for -892)
9GH 562 803-002	1	Bellows
9HB 562 824-022	1	Arm cover assembly
9HD 562 802-012	1	Cap
9XD 562 800-052	1	Holder
9XD 563 637-012	1	Holder assembly
8HS 563 390-002	1	Fastening hardware assembly for holder
9BP 563 482-002	1	Support holder assembly
9SV 562 840-003	1	Cover mounting assembly
6GM 500 212-002	1	Double switch, 24V
8JA 500 431-002	1	Collective plug for double switch
8KB 500 299-251	1	Harness assembly, 6-pole TIP-TAP adjusting device for -803/-834/-892/-431
9SV 562 829-002	1	Adjusting device, 24V, except -431 for -431
9MN 562 843-022	1	
9MN 562 843-002	1	



Coaches and overland buses e.g. for Berkhof, MAN, Neoplan and Van Hool

Black plastic mirror head and arm.
Driving mirror electrically adjustable.
Wide-angle mirror manually adjustable.
Driving mirror: 375 x 165 mm.
Wide-angle mirror: 145 x 170 mm.
Radius of curvature:
Driving mirror: 2100 mm.
Wide-angle mirror: 450 mm.
Fastened to dovetail.

Complies with the EU Directive 2003/97



Part no.	Pk.	
8SB 501 247-812	1	External mirror, heated, 24V, pendant mounting, (RH traffic), right
8SB 501 247-822	1	External mirror with wide-angle mirror, heated, 24V, pendant mounting, (RH traffic), left
8SB 501 247-792	1	right
		Spare parts:
9BG 562 812-002	1	Housing upper support
9BG 562 813-002	1	Housing centre section
9BG 562 814-002	1	Housing bottom support
9MX 562 841-012	1	Mirror glass carrier for main mirror, 12V
9MX 562 841-002	1	Mirror glass carrier for main mirror 24V
9MX 562 846-002	1	Mirror glass carrier for wide-angle mirror, 24V
9GH 562 803-002	1	Bellows
8HG 562 851-012	1	Mirror arm assembly
9HB 562 824-022	1	Arm cover assembly
9HD 562 802-012	1	Cap
9SV 562 840-003	1	Cover mounting assembly
6GM 500 212-012	1	Double switch, 12V
6GM 500 212-002	1	24V
8JA 500 431-002	1	Collective plug for double switch
9SV 562 829-002	1	TIP-TAP adjusting device for -742/-752/-792/-822





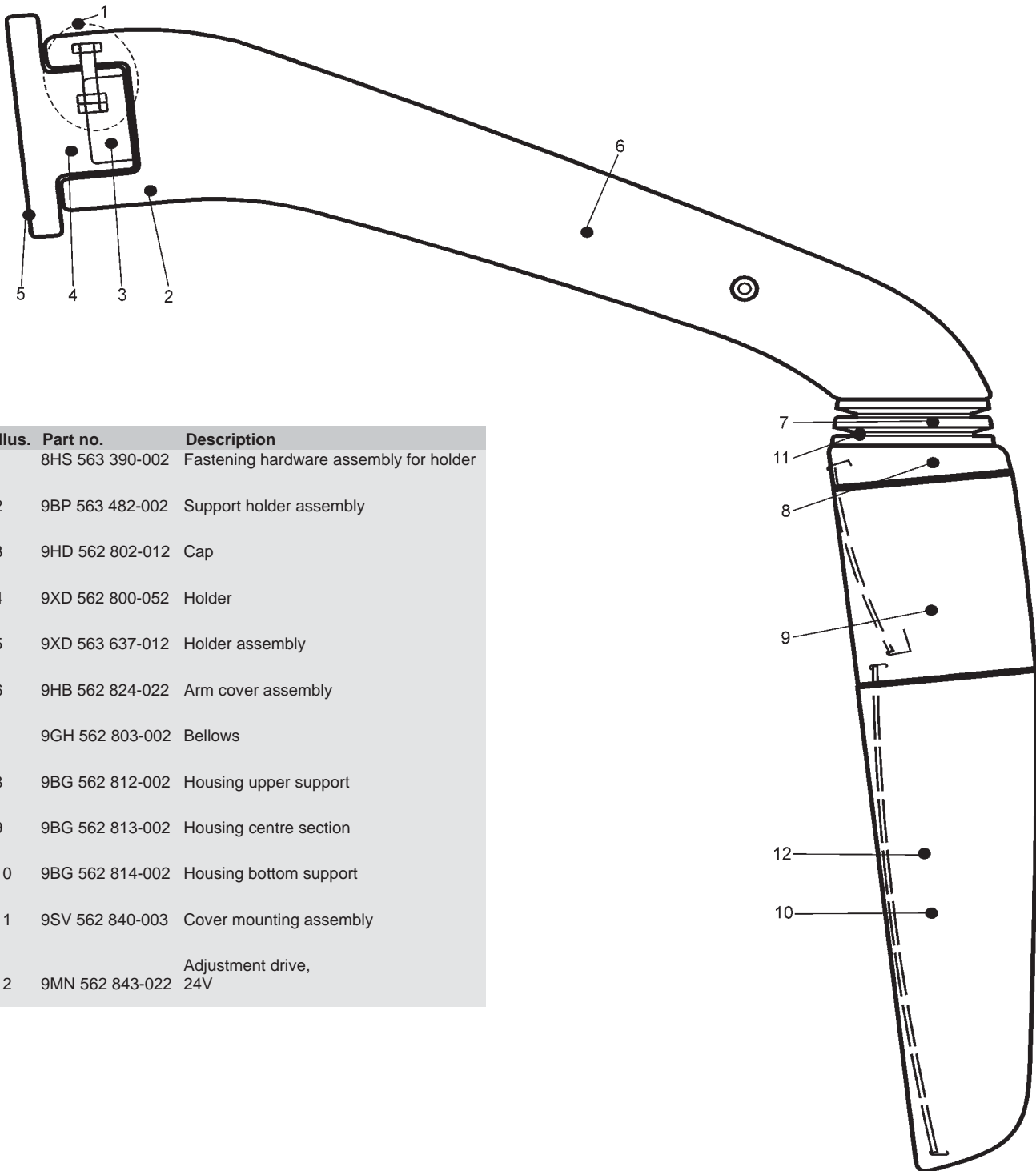
**Coaches and overland buses
e.g. for Berkhof, EvoBus (Setra), Neoplan and Van Hool**

Black plastic mirror head and arm.
Driving mirror electrically adjustable.
Driving mirror: 375 x 165 mm.
Wide-angle mirror: 145 x 170 mm.
Radius of curvature:
Driving mirror: 2100 mm.
Wide-angle mirror: 450 mm.
Fastened to dovetail.

Complies with the EU Directive 2003/97

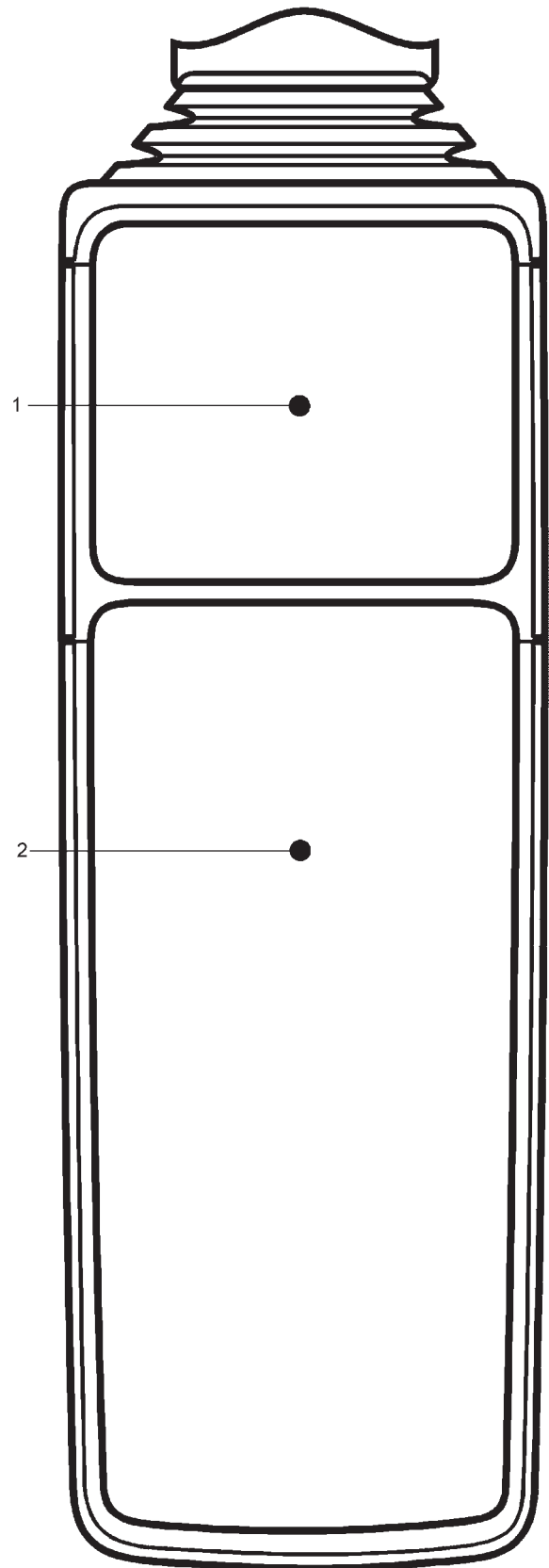


Part no.	Pk.	
8SB 501 247-895	1	External mirror, heated, 12V, upright mounting, (RH traffic), left
8SB 501 247-905	1	right
8SB 501 247-803	1	External mirror, heated, 24V, upright mounting, (RH traffic), left
8SB 501 247-842	1	right
Spare parts:		
9BG 562 812-002	1	Housing upper support
9BG 562 813-002	1	Housing centre section
9BG 562 814-002	1	Housing bottom support
		Mirror glass carrier for main mirror
9MX 562 841-012	1	12V
9MX 562 841-002	1	24V
9GH 562 803-002	1	Bellows
8HG 562 851-002	1	Mirror arm assembly
9HB 562 837-022	1	Arm cover assembly
9HD 562 802-012	1	Cap
9SV 562 840-003	1	Cover mounting assembly
		Double switch,
6GM 500 212-012	1	12V
6GM 500 212-002	1	24V
8JA 500 431-002	1	Collective plug for double switch
		TIP-TAP adjusting device
9SV 562 829-002	1	for -742/-752/-792/-822

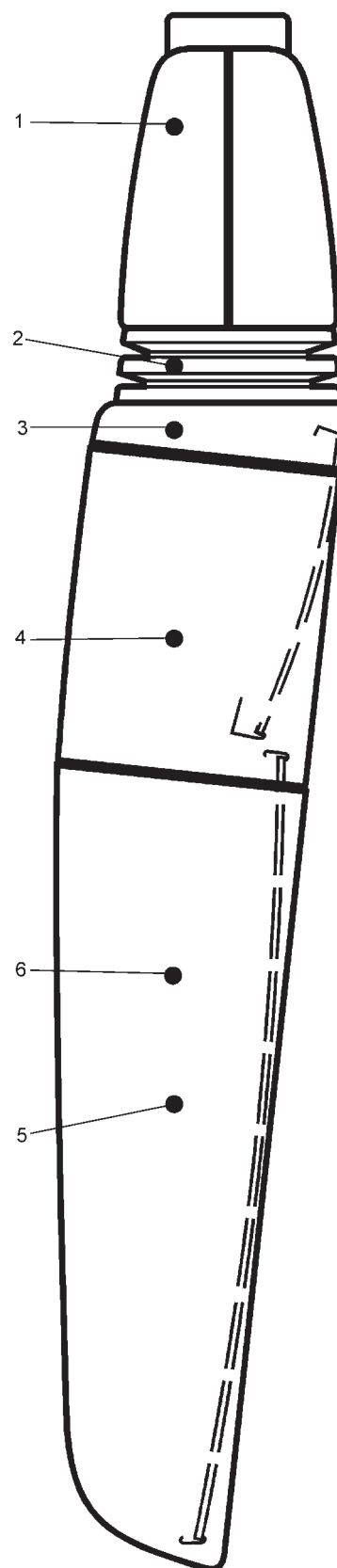


Illus.	Part no.	Description
1	8HS 563 390-002	Fastening hardware assembly for holder
2	9BP 563 482-002	Support holder assembly
3	9HD 562 802-012	Cap
4	9XD 562 800-052	Holder
5	9XD 563 637-012	Holder assembly
6	9HB 562 824-022	Arm cover assembly
1	9GH 562 803-002	Bellows
8	9BG 562 812-002	Housing upper support
9	9BG 562 813-002	Housing centre section
10	9BG 562 814-002	Housing bottom support
11	9SV 562 840-003	Cover mounting assembly
12	9MN 562 843-022	Adjustment drive, 24V

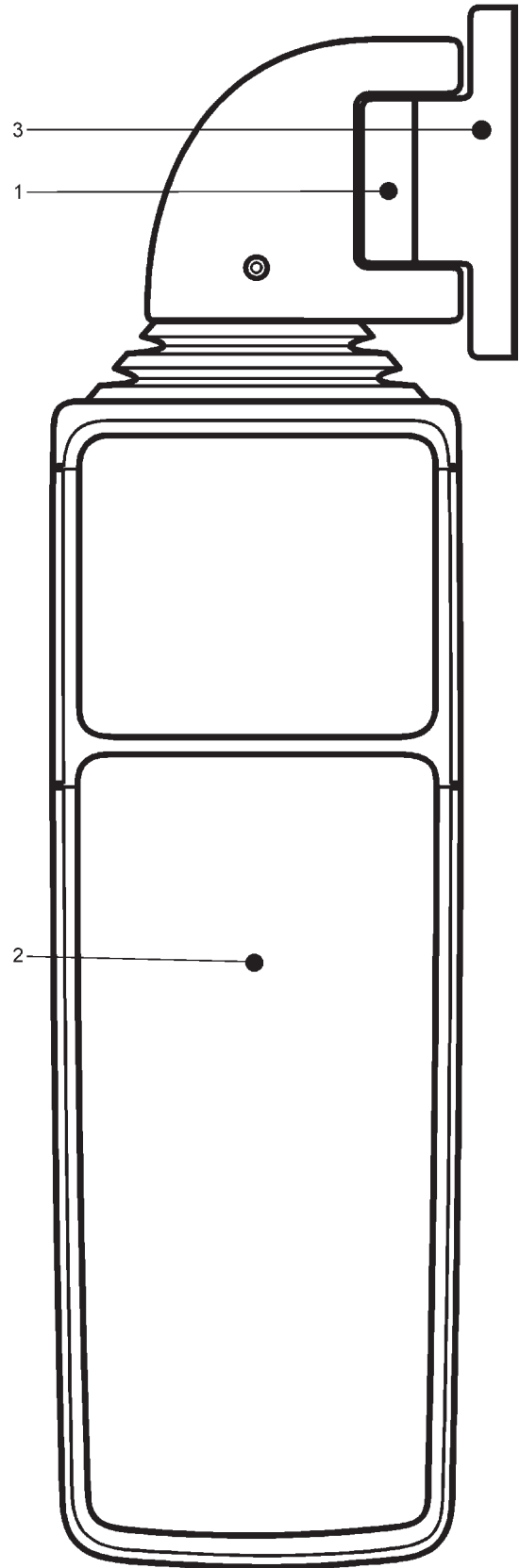
Illus.	Part no.	Description
1	9MX 562 846-002	Mirror glass carrier assembly for wide-angle mirror
2	9MX 562 841-002	Mirror glass carrier assembly for main mirror



Illus.	Part no.	Description
1	9HB 562 837-022	Arm cover assembly (2 half shells)
1	9GH 562 803-002	Bellows
3	9BG 562 812-002	Housing upper support
4	9BG 562 813-002	Housing centre section
5	9BG 562 814-002	Housing bottom support

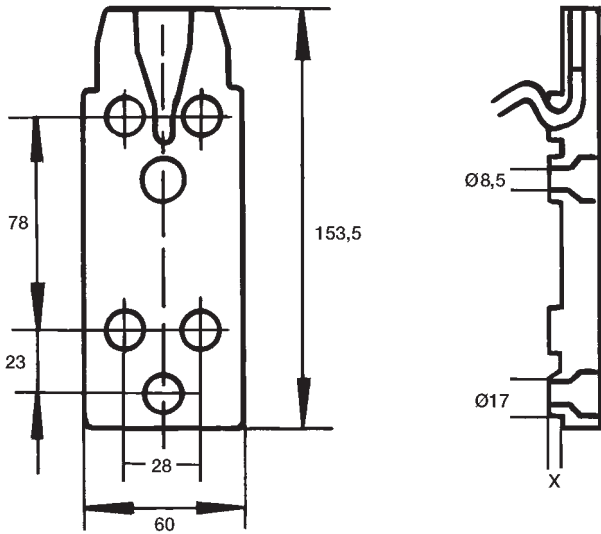


Illus.	Part no.	Description
1	9HD 562 802-012	Cap
2	9MX 562 841-002	Mirror glass assembly for main mirror
3	8HG 562 851-002	Mirror arm assembly upright
3	8HG 562 851-012	pendant



Bus mirrors

Accessories



Base plates

Base plate for mounting bus mirror on body, black, 7-pole.

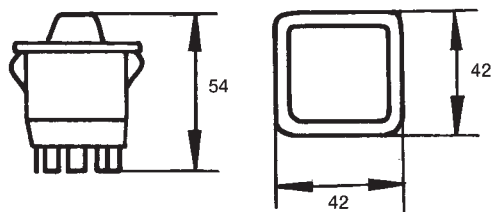
Part no.	Pk.	Height X	Wire length
9BP 501 237-002	1	5 mm	2500 mm
9BP 501 238-002	1	0 mm	2500 mm
9BP 501 238-012	1	5 mm	4000 mm
9BP 501 238-022	1	0 mm	5500 mm
<hr/>			
9BP 561 006-012	1	Base plate, without cable	
9BP 561 138-052	1	Base plate with cable, 2-pole, 2000 mm long	
9BP 561 138-013	1	1500 mm long	



Holder set

For complete replacement of holder.
Suitable for mirrors
8SB 501 246-..., 8SB 501 311-...,
8SB 501 420-... and 8SB 501 602-...

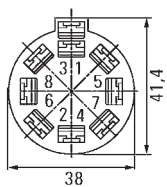
Part no.	Pk.	
9XD 563 637-012	1	Holder set



Double switches

With control lamp for two-mirror operation.

Part no.	Pk.	
6GM 500 212-012	1	Double switch, 12V
6GM 500 212-002	1	24V



Common plug

Part no.	Pk.	
8JA 500 431-002	1	Common plug, 7-pole



EvoBus (Mercedes-Benz) Citaro, EvoBus (Setra) Combibus

Black/grey plastic mirror head.
Mirror head: 479 x 210 mm.
Mirror glass: 400 x 165 mm.
Radius of curvature: 1800 mm.

Complies with the EU Directive 2003/97



Part no.	Pk.	
8SB 501 401-802	1	External mirror, left, heated, 24V, electrically adjustable
8SB 501 401-822	1	manually adjustable
Spare parts/Accessories:		
9MX 564 305-002	1	Mirror glass carrier
9MN 562 843-002	1	Electrical adjustment drive
9HD 564 316-002	1	Cap, grey
9XD 564 323-002	1	Folding hinge



Black/grey plastic mirror head and arm.
Driving mirror: 340 x 175 mm.
Wide-angle mirror: 188 x 134 mm.

Complies with the EU Directive 2003/97



Part no.	Pk.	
EvoBus (Mercedes-Benz) Citaro		
External mirror (length of arm: 687 mm) with multifunction mirror (wide angle/door observation), right, heated, 24V, electrically adjustable		
8SB 501 402-802	1	
8SB 501 402-822	1	manually adjustable
EvoBus (Setra) Combibus		
External mirror (length of arm: 633 mm) with multifunction mirror (wide angle/door observation), right, heated, 24V, electrically adjustable		
8SB 501 403-802	1	
8SB 501 403-822	1	manually adjustable
Spare parts:		
9MX 564 356-002	1	Mirror glass carrier for main mirror
9MX 564 357-002	1	Mirror glass carrier for multifunction mirror
9HB 564 363-002	1	Arm cover assembly above
9HB 564 364-002	1	Arm cover assembly below
9XD 564 376-002	1	Mirror base for 501 402-...
9HB 564 365-002	1	Trim for mirror base for 501 402-...
9XD 564 384-002	1	Mirror base for 501 403-...
9HB 564 381-002	1	Trim for mirror base for 501 403-...
9BP 564 386-002	1	Support holder assembly
9GD 564 362-002	1	Trim
9BG 564 360-002	1	Housing
9HD 564 383-002	1	Cap, grey
TIP-TAP adjusting device for wide-angle mirror, for 8SB 501 402-802/-822 and 8SB 501 403-802/-822		
9SV 562 829-002	1	
9MN 562 843-002	1	Electrical adjustment drive



Bus mirror with extremely large viewing angle

Black plastic mirror head.
 Mirror head: 205 x 125 mm.
 Mirror glass: 205 x 118 mm.
 Radius of curvature: 240 mm.
 Mounted on 18/22 mm dia. arms,
 incl. holder, fastening hardware and cable.

Without approval

Part no.	Pk.	
8SB 501 511-802	1	Bus mirror set, heated, 24V



Black plastic mirror head.
 Mirror head: 205 x 125 mm.
 Mirror glass: 205 x 118 mm.
 Radius of curvature: 240 mm.
 Mounted on 18/22 mm dia. arms,
 incl. fastening hardware.

Without approval

Part no.	Pk.	
8SB 501 346-022	1	Bus mirror
8SB 501 346-032	1	heated, 24V, with cable
8KA 500 218-002	1	Spare parts/Accessories: Connecting cable with 2-pole plug and free cable end, 1150mm long

Universal

Grey, steel mirror head with Durocoat finish.
 Mirror head: 270 x 155 mm
 Mirror glass: 257 x 143 mm.
 Radius of curvature: 1400 mm.

Without approval



Part no.	Pk.	
8SB 002 405-001	1	External mirror, mounted on 10/12 mm dia. arms
8SB 002 405-011	1	mounted on 15/18 mm dia. arms
9EY 111 231-001	1	Spare parts: Mirror glass

Grey, steel mirror head with Durocoat finish.
 Mirror head: 420 x 220 mm.
 Mirror glass: 410 x 210 mm.
 Radius of curvature: 1400 mm.
 Mounted on 18 mm dia. arm.

Without approval



Part no.	Pk.	
8SB 002 990-001	1	External mirror
9EY 117 124-001	1	Spare parts: Mirror glass

External mirrors for agricultural and construction machinery



Et al. for Deutz-Fahr, Fendt and Steyr

Steel mirror head with Durocoat finish.
 Mirror head: 300 x 210 mm.
 Mirror glass: 290 x 200 mm.
 Radius of curvature: 1400 mm.
 Mounted on 18 mm dia. arm.



Part no.	Pk.	
8SB 002 991-001	1	External mirror, grey
8SB 002 991-081	1	black
9EY 117 126-001	1	Spare parts: Mirror glass

Universal

Black plastic mirror head.
 Mirror head: 316 x 230 mm.
 Mirror glass: 302 x 215 mm.
 Radius of curvature: 2200 mm.
 Secured by fixing clamp.
 Mounted on 22 mm dia. arm, with reducing sleeve on 18 mm dia. arm.



Complies with the EU Directive 2003/97



Part no.	Pk.	
8SB 501 263-003	1	External mirror with fixing clamp
8SB 501 263-052	1	heated, 12V
9EY 117 126-014	1	Spare parts: Mirror glass for -003
8HS 562 691-002	1	Fixing clamp for 18/22 mm dia. Arms

Universal

Black plastic mirror head.
 Mirror head: 434 x 227 mm.
 Mirror glass: 423 x 216 mm.
 Radius of curvature: 2100 mm.
 Mirror electrically adjustable, horizontally and vertically.
 Mounted on 18/22 mm dia. arms.
 Connecting cable and switch are not supplied.



Part no.	Pk.	
8SB 501 190-082	1	External mirror, electrically adjustable, heated, 24V
Spare parts/Accessories:		
9MX 562 159-023	1	Mirror glass with heating element
8KA 562 423-002	1	Connecting cable with single switch
8KA 562 422-002	1	with double switch



Black plastic mirror head.
 Mirror head: 376 x 197 mm.
 Mirror glass: 366 x 187 mm.
 Radius of curvature: 2100 mm.
 Mirror electrically adjustable, horizontally and vertically.
 Mounted on 18/22 mm dia. arms.
 Connecting cable and switch are not supplied.



Part no.	Pk.	
8SB 501 191-202	1	External mirror, electrically adjustable, heated, 24V
Spare parts/Accessories:		
9MX 562 159-013	1	Mirror glass with heating element
8KA 562 423-002	1	Connecting cable with single switch
8KA 562 422-002	1	with double switch



Black plastic mirror head.
 Mirror head: 310 x 225 mm.
 Mirror glass: 299 x 215 mm.
 Radius of curvature: 2100 mm.
 Mirror electrically adjustable, horizontally and vertically.
 Mounted on 18/22 mm dia. arms.
 Connecting cable and switch are not supplied.



Part no.	Pk.	
8SB 501 192-002	1	External mirror, electrically adjustable, heated, 24V
Spare parts/Accessories:		
9MX 562 159-052	1	Mirror glass with heating element
8KA 562 423-002	1	Connecting cable with single switch
8KA 562 422-002	1	with double switch



Universal

Black plastic mirror head.
 Mirror head: 376 x 187 mm.
 Mirror glass: 364 x 175 mm.
 Radius of curvature: 2000 mm.
 Mounted on 16/20 mm dia. arms.



Part no.	Pk.	
8SB 507 041-011	1	External mirror
		Spare parts:
9EY 120 010-001	5	Mirror glass

Black plastic mirror head.
 Mirror head: 244 x 157 mm.
 Mirror glass: 236 x 146 mm.
 Radius of curvature: 2100 mm.
 Mounted on 18 mm dia. arm.



Part no.	Pk.	
8SB 004 288-092	1	External mirror

Black plastic mirror head.
 Mirror head: 247 x 157 mm.
 Mirror glass: 245 x 155 mm.
 Radius of curvature: 450 mm.
 With universal bracket for passenger door pillar.



Part no.	Pk.	
8SB 501 137-082	1	Approach mirror
		Spare parts:
8SB 501 137-001	1	Mirror head



Universal

Grey, steel mirror head with Durocoat finish.
 Mirror head: 270 x 155 mm
 Mirror glass: 265 x 149 mm.
 Radius of curvature: 1400 mm.

Without approval

Part no.	Pk.	
8SB 002 405-001	1	External mirror, mounted on 10/12 mm dia. arms
8SB 002 405-011	1	External mirrors mounted on 15/18 mm dia. arms
9EY 111 231-001	1	Spare parts: Mirror glass



Grey, steel mirror head with Durocoat finish.
 Mirror head: 420 x 220 mm.
 Mirror glass: 410 x 210 mm.
 Radius of curvature: 1400 mm.
 Mounted on 18 mm dia. arm.

Without approval

Part no.	Pk.	
8SB 002 990-001	1	External mirror
9EY 117 124-001	1	Spare parts: Mirror glass



Steel mirror head with Durocoat finish.
 Mirror head: 300 x 210 mm.
 Mirror glass: 290 x 200 mm.
 Radius of curvature: 1400 mm.
 Mounted on 18 mm dia. arm.

Part no.	Pk.	
8SB 002 991-001	1	External mirror, grey
8SB 002 991-081	1	External mirrors black
9EY 117 126-001	1	Spare parts: Mirror glass



Universal

Black, steel mirror head.
 Mirror head: 280 x 200 mm.
 Mirror glass: 272 x 193 mm.
 Radius of curvature: 2100 mm.
 Mounted on 12 mm dia. arm.

Part no.	Pk.	
8SB 501 047-011	1	External mirror
9EY 117 126-014	1	Spare parts: Mirror glass



Black plastic mirror head.
 Mirror head: 316 x 230 mm.
 Mirror glass: 302 x 215 mm.
 Radius of curvature: 2200 mm.
 Secured by fixing clamp.
 Mounted on 22 mm dia. arm, with reducing sleeve on 18 mm dia. arm.
Complies with the EU Directive 2003/97

Part no.	Pk.	
8SB 501 263-003	1	External mirror with fixing clamp
9EY 117 126-014	1	Spare parts/Accessories: Mirror glass for -003
8HS 562 691-002	1	Fixing clamp for 18/22 mm dia. Arms



Steel mirror head with black Durocoat finish.
 Mirror head: 265 x 160 mm.
 Mirror glass: 260 x 156 mm.
 Radius of curvature: 1400 mm.
 Mounted on 10 mm dia. arm.

Part no.	Pk.	
8SB 002 994-001	1	External mirror
9EY 117 127-001	2	Spare parts: Mirror glass



Universal

Grey, steel mirror head with Durocoat finish.
 Mirror head: 270 x 155 mm.
 Mirror glass: 265 x 149 mm.
 Radius of curvature: 1400 mm.
 Mounted on 15/18 mm dia. arms.

Without approval

Part no.	Pk.	
8SB 002 992-001	1	External mirror
9EY 111 231-001	1	Spare parts: Mirror glass



Steel mirror head with Durocoat finish.
 Mirror head: 186 x 131 mm.
 Mirror glass: 180 x 125 mm.
 Radius of curvature: 1400 mm.
 Mounted on 10 mm dia. arm.

Without approval

Part no.	Pk.	
8SB 002 997-001	1	External mirror, grey
8SB 002 997-103	1	black
9EY 117 129-001	1	Spare parts: Mirror glass

Universal

Black, plastic mirror head.
 Mirror head: 210 x 165 mm.
 Mirror glass: 202 x 160 mm.
 Radius of curvature: 1400 mm.
 Secured by means of fixing clamp with reducing sleeve
 for 10/12 mm dia. arms.

Without approval

Part no.	Pk.	
8SB 002 404-121	1	External mirror



Grey, plastic mirror head.
 Mirror head: 210 x 165 mm.
 Mirror glass: 202 x 160 mm.
 Radius of curvature: 1400 mm.
 Secured by means of ball support with reducing sleeve
 for 12/10 mm dia. arms.

Without approval

Part no.	Pk.	
8SB 002 404-131	1	External mirror
9EY 111 230-001	1	Spare parts: Mirror glass



For small delivery vans and tractors

Grey plastic mirror head.
 Mirror head: 127 mm dia.
 Mirror glass: 121 mm dia.
 Mounted on 10/12 mm dia. arms.

Without approval

Part no.	Pk.	
8SB 002 406-001	1	External mirror

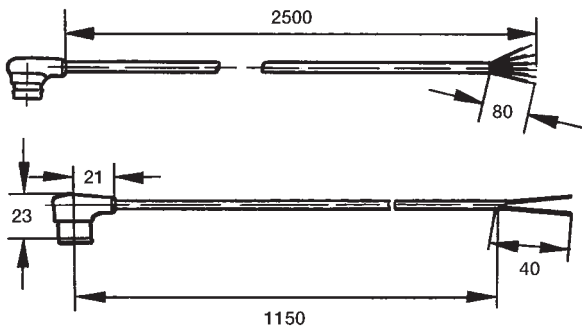


Grey, steel mirror head with Durocoat finish.
 Mirror head: 155 mm dia.
 Mirror glass: 141 mm dia.
 Radius of curvature: 1400 mm.
 Mounted on 10/12 mm dia. arms.

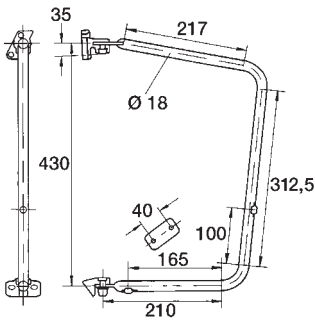
Without approval

Part no.	Pk.	
8SB 003 212-001	1	External mirror





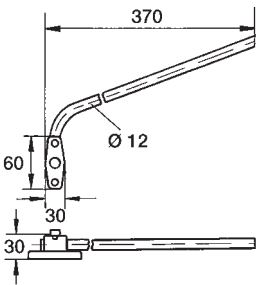
Part no.	Pk.	
8KA 562 671-002	1	Connecting cable, 2500 mm long, with 6-pole round plug
8KA 500 218-002	1	Connecting cable, 1150 mm long, with 2-pole angular plug



Mitsubishi

Diameter of mirror arm: 18 mm.

Part no.	Pk.	
8HG 003 323-032	1	Mirror arm, black, left

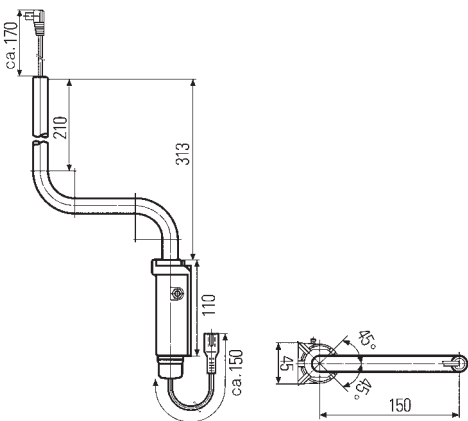


Universal

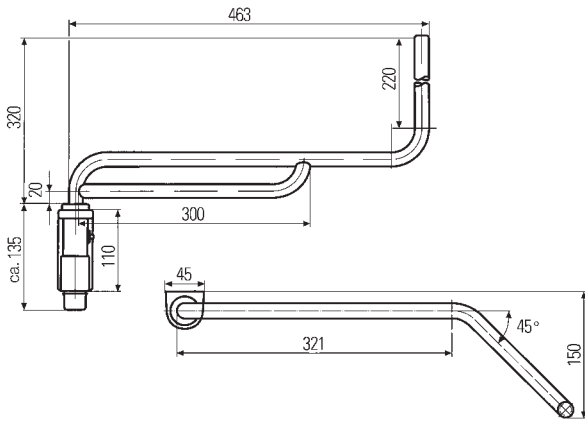
Galvanized tubular steel arm.
Grey cast iron mount with silver colour enamel finish.
Secured with 2 M6 screws
on left or right side of vehicle.
Distance between screws: 43 mm.
Diameter of mirror arm: 12 mm.

Part no.	Pk.	
8HG 002 211-001	2	Mirror arm

Diameter of mirror arm: 18 mm.



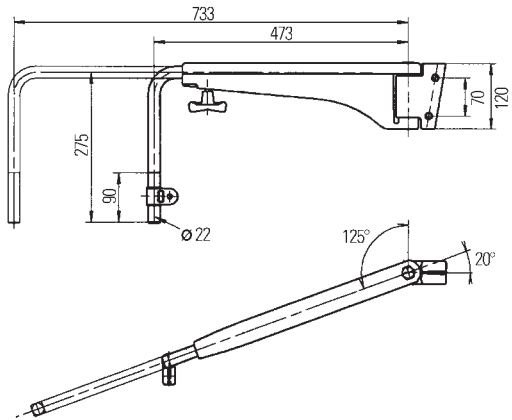
Part no.	Pk.	
8HG 561 107-112	1	Mirror arm, black, with 2-pole cable, left
9BP 561 138-013	1	Accessories: Base plate with cable, 2-pole, 1500 mm long
9BP 561 138-052	1	2000 mm long



Universal

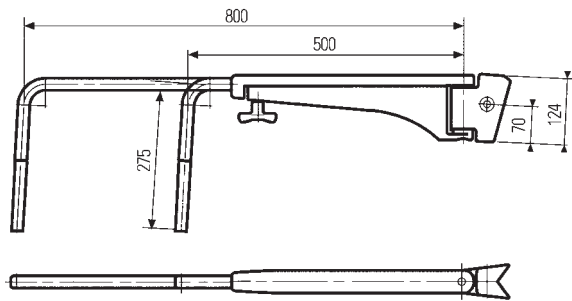
Diameter of mirror arm: 18 mm.

Part no.	Pk.	
8HG 561 108-002	1	Mirror arm, black, right



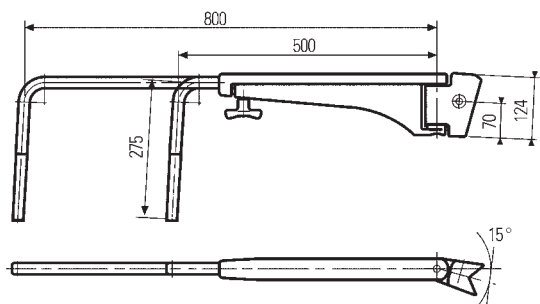
Diameter of mirror arm: 22 mm.

Part no.	Pk.	
8HG 501 253-012	1	Telescopic-mirror arm, black, left
8HG 501 253-022	1	right



Diameter of mirror arm: 22 mm.

Part no.	Pk.	
8HG 501 257-002	1	Telescopic-mirror arm

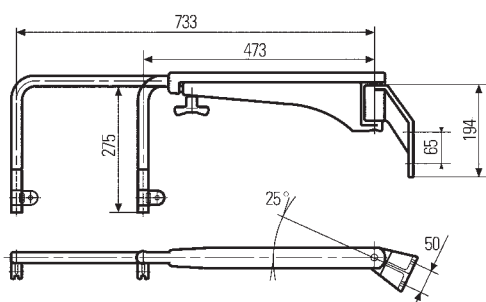


Diameter of mirror arm: 22 mm.

Part no.	Pk.	
8HG 501 257-032	1	Telescopic-mirror arm, left
8HG 501 257-042	1	right

Connecting cables / Mirror arms

Caravan mirror



Universal

Can be extended from 473 to 733 mm.
Laterally by 25° swivel.
Diameter of mirror arm: 22 mm.

Part no.	Pk.	
8HG 501 266-022	1	Telescopic-mirror arm, black, left
8HG 501 266-032	1	right



Universal

Universal mirror for cars.
Black plastic mirror head.
Mirror with rods for insertion on the top of standard car wing mirrors. Can be mounted on the left or right.
Can be mounted and dismounted easily in no time.
Mirror glass: 148 x 107 mm.

Part no.	Pk.	
8SD 501 201-011	1	Caravan mirror



Product descriptions

The vehicle application overviews can be found in the HELLA Online Catalogue and TecDoc

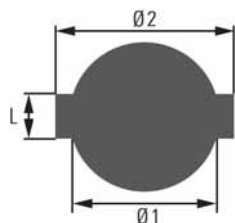
7.02

Filler Caps

Lockable, with 2 keys, without fastening tape.

- 1) with cap against dust and frost
- 2) with valve ventilation
(can be used with ventiled as well as non-ventiled tanks)
- 3) without lock
- 4) metal
- 5) black plastic
- 6) 1-key vehicle-pool version

It is final seller's responsibility to decide wether unvented filler caps can be used in a particular case.



Part no.	Pk.		Ø 1 mm	Ø 2 mm	L mm	Ventilation	
8XY 004 715-001	1	PT 1	35.5	42.0		with	
8XY 004 716-001	1	PT 2	38.0	44.0		without	
8XY 004 717-001	1	PT 3	38.0	44.0		with	
8XY 004 718-001	1	PT 4	38.0	44.0		without	
8XY 004 719-001	1	PT 5				without	
8XY 004 720-001	1	PT 6	34.0	40.0		with	
8XY 004 721-001	1	PT 7		58.0		without	
8XY 004 723-001	1	PT 9	34.0	41.0		without	
8XY 004 725-001	1	PT 11	34.0	40.0		without	
8XY 004 727-001	1	PT 13	34.0	41.0		without	
8XY 004 727-011	1	PT 13	34.0	41.0		without	1)
8XY 004 729-001	1	PT 15	44.5			with	
8XY 005 067-001	1	PT 20	34.0	40.0		with	
8XY 005 587-001	1	PT 23				without	
8XY 006 369-001	1	PT 26	38.5	44.0		without	
8XY 006 481-001	1	PT 27	44.5			with	
8XY 006 587-001	1	PT 28	44.0	57.5		without	
8XY 006 894-001	1	PT 29	38.0	44.0		without	
8XY 007 021-001	1	PT 30	33.5	40.0		with	2) 3)
8XY 007 022-001	1	PT 31	38.0	44.0		with	2) 3)
8XY 007 103-001	1	PT 34		43.0		without	
8XY 007 102-001	1	PT 35	29.0			without	
8XY 007 101-001	1	PT 36	30.0			without	
8XY 007 526-001	1	PT 40	31.0			without	
8XY 004 729-101	1	PT 43	44.5			with	2) 3)
8XY 006 481-101	1	PT 44	44.5			with	2) 3)
8XY 007 747-001	1	PT 45				without	
8XY 007 746-001	1	PT 46				without	
8XY 008 530-001	1	PT 63	33.0	45.0		with	
8XY 008 238-011	1	PT 67	39.0	46.0	8.0	with	
8XY 004 734-001	1	LT 1	78.0	115.0		with	4)
8XY 004 734-011	1	LT 1	78.0	115.0		with	5) 6)
8XY 004 735-001	1	LT 2	60.0	85.0		with	4)
8XY 007 023-001	1	LT 3	78.0	115.0		with	3) 5)
8XY 004 735-031	1	LT 4	60.0	95.0		with	3) 5)
8XY 004 735-041	1	LT 5	60.0	95.0		with	5)



Crimp terminals (-sets)	8.02-8.16, 8.80-8.83
Plug housings	8.15
Crimping tools	8.17
Sockets	8.18-8.21
Cable straps	8.22-8.23
Twist-lock cable ties	8.24
Insulating tapes	8.24-8.25
Thread sealing tape	8.25
Heat-shrink tubing	8.26, 8.82
Spiral hoses	8.26
Hose clips	8.27
Spring band clamps	8.28
Pipe clamps	8.29
Chassis cable clips	8.29
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Sockets and plugs	8.30-8.57
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Parking sockets	8.46, 8.53, 8.56
Plug-in tester	8.50, 8.55
Spirally-coiled cables	8.57-8.60
Cable connectors	8.61-8.62
Fuse boxes	8.63-8.66
Fuses and fuse holder	8.67-8.76, 8.82
Starter cable	8.76
Earthing straps	8.76-8.77
Battery terminal clips	8.78-8.79
Cables	8.84-8.87

Crimp terminals

Insulated
















Colour of insulation: red
Crimp terminals for 0.5 to 1 sq. mm cables

Colour of insulation: blue
Crimp terminals for 1.5 to 2.5 sq. mm cables
(except 8KW 044 035-003 transparent insulation)

Colour of insulation: yellow
Crimp terminals for 4.0 to 6.0 sq. mm cables

OEM names and numbers were used for identification of the items only.

Description	Cable section sq. mm	Description	Colour	Part no.	Pk.	Part no. Pro-fit pack	Pcs. p. Pro-fit pack
 Blade receptacles	0.5 - 1.0	for blade terminals 2.8 x 0.5 mm	red	8KW 705 393-003	100	8KW 705 393-812	10
 Blade receptacles	0.5 - 1.0	for blade terminals 4.8 x 0.5 mm	red	8KW 705 392-003	100	8KW 705 392-812	10
	1.5 - 2.5		blue	8KW 744 697-003	100		
		for blade terminals 4.8 x 0.8 mm		8KW 744 698-003	100		
 Blade receptacles	0.5 - 1.0	for blade terminals 6.3 x 0.8 mm	red	8KW 044 036-003	100	8KW 044 036-812	15
	1.5 - 2.5		blue	8KW 044 022-003	100	8KW 044 022-822	10
				8KW 044 022-004	1000*)		
	4.0 - 6.0		yellow	8KW 044 023-003	50	8KW 044 023-811	10
				8KW 044 023-004	1000*)		
 Blade receptacles	max. 3.0	for asymmetrical headlamps, plug width 7.7 x 0.8 mm	blue	8KW 044 024-003	50		
 Blade receptacles	4.0 - 6.0	for regulators and dynamos 9.5 x 1.2 mm	yellow	8KW 700 142-003	50		
 2-way connectors	0.5 - 1.0	Size of blade terminal 6.3 x 0.8 mm	red	8KW 700 143-003	50	8KW 700 143-812	12
	1.5 - 2.5		blue	8KW 044 032-003	50	8KW 044 032-812	12
				8KW 044 032-004	1000*)		
 Blade terminals	0.5 - 1.0	Size of blade terminal 2.8 x 0.8 mm	red	8KW 744 699-003	100		
 Blade terminals	0.5 - 1.0	Size of blade terminal 6.3 x 0.8 mm	red	8KW 702 796-003	100	8KW 702 796-811	10
	1.5 - 2.5		blue	8KW 044 288-003	100	8KW 044 288-812	15
	4.0 - 6.0		yellow	8KW 744 700-003	50		
 Pin terminals	0.5 - 1.0	4 mm dia.	red	8KW 044 040-003	100	8KW 044 040-812	12
	1.5 - 2.5	5 mm dia.	blue	8KW 044 040-004	1000*)		
	4.0 - 6.0		yellow	8KW 044 025-003	100	8KW 044 025-812	12
				8KW 744 733-003	50		
 Pin sockets	0.5 - 1.0	4 mm dia.	red	8KW 045 145-003	50	8KW 045 145-812	10
	1.5 - 2.5	5 mm dia.	blue	8KW 045 145-004	1000*)		
	4.0 - 6.0		yellow	8KW 044 026-003	50	8KW 044 026-812	10
				8KW 744 734-003	50		
 Ring connectors	0.5 - 1.0	for pins M3	red	8KW 044 275-003	100		
	1.5 - 2.5		blue	8KW 044 041-003	100		
 Ring connectors	0.5 - 1.0	for pins M4	red	8KW 044 276-003	100	8KW 044 276-812	12
	1.5 - 2.5		blue	8KW 044 276-004	1000*)		
	4.0 - 6.0		yellow	8KW 044 028-003	100	8KW 044 028-812	12
				8KW 744 776-003	50		
 Ring connectors	0.5 - 1.0	for pins M5	red	8KW 044 291-003	100		
	1.5 - 2.5		blue	8KW 044 027-003	100	8KW 044 027-812	12
	4.0 - 6.0		yellow	8KW 044 027-004	1000*)		
				8KW 044 029-003	50		
				8KW 044 030-003	1000*)		

*) Standard pack





	Description	Cable section sq. mm	Description	Colour	Part no.	Pk.	Part no. Pro-fit pack	Pcs. p. Pro-fit pack
	Ring connectors	0.5 - 1.0	for pins M6	red	8KW 744 772-003	100		
		1.5 - 2.5		blue	8KW 044 039-003	100	8KW 044 039-812	12
		4.0 - 6.0		yellow	8KW 044 030-003 8KW 044 030-004	50 1000 *)		
	Ring connectors	0.5 - 1.0	for pins M8	red	8KW 744 773-003	50		
		1.5 - 2.5		blue	8KW 044 277-003	50	8KW 044 277-812	10
		4.0 - 6.0		yellow	8KW 044 031-003	50		
	Ring connectors	0.5 - 1.0	for pins M10	red	8KW 744 774-003	50		
		1.5 - 2.5		blue	8KW 744 775-003	50		
		4.0 - 6.0		yellow	8KW 044 038-003	50		
	Fork connectors	0.5 - 1.0	for pins M3	red	8KW 744 777-003	100		
	Fork connectors	0.5 - 1.0	for pins M4	red	8KW 744 778-003	100		
		1.5 - 2.5		blue	8KW 744 782-003	100		
	Fork connectors	1.5 - 2.5	for pins M5	blue	8KW 044 282-003	50	8KW 044 282-811	10
	Fork connectors	0.5 - 1.0	for pins M5	red	8KW 744 779-003	100		
		4.0 - 6.0		yellow	8KW 744 784-003	50		
	Fork connectors	0.5 - 1.0	for pins M6	red	8KW 744 780-003	100		
		1.5 - 2.5		blue	8KW 744 783-003	100		
		4.0 - 6.0		yellow	8KW 744 785-003	50		
	Fork connectors	4.0 - 6.0	for pins M8	yellow	8KW 744 786-003	50		
	Fork connectors	1.5 - 2.5	for pins M5	blue	8KW 044 037-003	100		
	Blade terminals	0.5 - 1.0	fully insulated size of blade terminal 6.3 x 0.8 mm	red	8KW 744 703-003	50		
		1.5 - 2.5		blue	8KW 744 704-003	50		
		4.0 - 6.0		yellow	8KW 744 705-003	25		
	Blade receptacles	0.5 - 1.0	fully insulated for blade terminals 6.3 x 0.8 mm	red	8KW 708 373-003 8KW 708 373-004	50 1000 *)	8KW 708 373-812	8
		1.5 - 2.5		blue	8KW 708 374-003 8KW 708 374-004	50 1000 *)	8KW 708 374-812	8
		4.0 - 6.0		yellow	8KW 744 799-003	50		
	Contact pin bushes	0.5 - 1.0		red	8KW 744 769-003	100		
		1.5 - 2.5		blue	8KW 744 770-003	100		
		4.0 - 6.0		yellow	8KW 744 771-003	50		
	Butt connectors	0.5 - 1.0		red	8KW 044 280-003 8KW 044 280-004	100 1000 *)	8KW 044 280-811	12
		1.5 - 2.5		blue	8KW 044 033-002 8KW 044 033-004	100 1000 *)		
		4.0 - 6.0		yellow	8KW 044 034-003	50	8KW 044 034-811	12
	Coupling		for 8KW 044 036-... 8KW 044 022-... 8KW 044 023-... for 2 blade receptacles, size of blade terminal 6.3 x 0.8 mm	trans- parent	8KW 044 035-003	25	8KW 044 035-811	5

*) Standard pack

Crimp terminals

Insulated



Description	Cable section sq. mm	Description	Colour	Part no.	Pk.	Part no. Pro-fit pack	Pcs. p. Pro-fit pack
	0.3 - 0.75 0.8 - 2.0		red	8KV 715 923-003	25	8KV 715 923-801	5
			blue	8KV 705 123-002 8KV 705 123-004	25 1000	8KV 705 123-813	5
	yellow		8KV 712 169-003	10	8KV 712 169-811	5	
	0.5 - 1.0	for blade terminals 8KW 744 703-003	red	8KV 744 858-003	50		
	1.5 - 2.5	8KW 744 704-003	blue	8KV 744 859-003	50		
	4.0 - 6.0	8KW 744 705-003	yellow	8KV 744 860-003	25		
	1.0 - 2.5	Contents: 5 cable connectors 5 blade terminals				8KV 713 222-812	10
	0.5		orange	8KW 744 839-003	100		
	0.75		white	8KW 744 840-003	100		
	1.0		yellow	8KW 744 841-003	100		
	1.5		red	8KW 744 842-003	100		
	2.5		blue	8KW 744 843-003	100		
	4.0		grey	8KW 744 844-003	100		
	6.0		black	8KW 744 845-003	100		
	10.0 16.0		ivory green	8KW 744 846-003 8KW 744 847-003	100 50		

8KW 009 254-801

Crimp connector set

Case with various crimp connectors, one junction connector, one coupling and one set crimping pliers (reorder quantity is not the same quantity in the set).















Part no. spare parts	Piece	Type	Connector width	Cable section in sq. mm
8KW 044 276-003	20	Ring connectors	M4	0.5 - 1.0
8KW 044 291-003	20	Ring connectors	M5	0.5 - 1.0
8KW 044 036-003	20	Blade receptacles	6.3 x 0.8 mm	0.5 - 1.0
8KW 702 796-003	20	Blade terminals	6.3 x 0.8 mm	0.5 - 1.0
8KW 044 040-003	20	Pin terminals	4 mm dia.	0.5 - 1.0
8KW 044 037-003	20	Fork connectors	M5	1.5 - 2.5
8KW 044 022-003	20	Blade receptacles	6.3 x 0.8 mm	1.5 - 2.5
8KW 044 028-003	20	Ring connectors	M4	1.5 - 2.5
8KW 044 027-003	20	Ring connectors	M5	1.5 - 2.5
8KW 044 039-003	20	Ring connectors	M6	1.5 - 2.5
8KW 044 033-002	100	Butt connectors		1.5 - 2.5
8KW 044 032-003	20	2-way connectors	6.3 x 0.8 mm	1.5 - 2.5
8KW 044 288-003	20	Blade terminals	6.3 x 0.8 mm	1.5 - 2.5
8KW 045 145-003	20	Pin sockets	4 mm dia.	0.5 - 1.0
8KW 705 393-003	20	Blade receptacles	2.8 x 0.5 mm	0.5 - 1.0
8KW 708 373-003	20	Blade receptacles	6.3 x 0.8 mm	0.5 - 1.0
8KW 044 029-003	20	Ring connectors	M5	4.0 - 6.0
8KW 044 030-003	20	Ring connectors	M6	4.0 - 6.0
8KV 705 123-002	20	Splice connectors		0.8 - 2.0
8KW 044 035-003	20	Coupling	6.3 x 0.8 mm	
8PE 002 006-001	1	Crimping tool		
9XX 863 802-001	1	Assortment case, empty without dividers		
9XX 863 800-001	1	Dividers 9-1 for assortment case		
9XX 863 800-011	1	Dividers 8-1 for assortment case		

*) Standard pack



Duraseal-completely insulated cable terminals

with shrink-on nylon cap containing glue for water tight connection. Shrink-on nylon cap either with hot-air gun or other heat source - shrinking temperature 135 °C.

Bezeichnung	Cable section in sq. mm	Description	Colour	Part no.	Pk Pro-fit pack.
 Blade receptacles completely insulated	0.5 - 1.0	for blade terminals 2.8 x 0.8 mm	red	8KW 744 761-003	25
 Blade receptacles completely insulated	0.5 - 1.0	for blade terminals 4.8 x 0.8 mm	red	8KW 744 762-003	25
 Blade receptacles completely insulated	0.5 - 1.0	for blade terminals 6.3 x 0.8 mm	red	8KW 732 566-003	25
	1.5 - 2.5		blue	8KW 732 567-003	25
 Blade terminals	0.5 - 1.0	Size of blade terminal 6.3 x 0.8 mm	red	8KW 732 568-003	25
	1.5 - 2.5		blue	8KW 732 569-003	25
 Ring connectors	0.5 - 1.0	for pins M4	red	8KW 732 570-003	25
	1.5 - 2.5		blue	8KW 732 571-003	25
 Ring connectors	0.5 - 1.0	for pins M5	red	8KW 732 572-003	25
	1.5 - 2.5		blue	8KW 732 573-003	25
	4.0 - 6.0		yellow	8KW 732 574-003	25
 Ring connectors	1.5 - 2.5	for pins M6	blue	8KW 732 575-003	25
	4.0 - 6.0		yellow	8KW 732 576-003	25
 Ring connectors	1.5 - 2.5	for pins M8	blue	8KW 732 577-003	25
	4.0 - 6.0		yellow	8KW 732 578-003	25
 Ring connectors	1.5 - 2.5	for pins M10	blue	8KW 744 754-003	25
	4.0 - 6.0		yellow	8KW 744 755-003	25
 Pin terminals	0.5 - 1.0	4 mm dia.	red	8KW 744 765-003	25
	1.5 - 2.5	5 mm dia.	blue	8KW 744 766-003	25
 Round plug sockets completely insulated	0.5 - 1.0	4 mm dia.	red	8KW 744 767-003	25
	1.5 - 2.5	5 mm dia.	blue	8KW 744 768-003	25
 Butt connectors	0.5 - 1.0		red	8KW 732 579-003	25
	1.5 - 2.5		blue	8KW 732 580-003	25
	4.0 - 6.0		yellow	8KW 732 581-003	15



8KW 009 253-801

Duraseal crimp connector set







Case with various Duraseal crimp connectors
(reorder quantity is not the same as the quantity in the set).

Part no. spare parts	Piece	Type	Connector width	Cable section sq. mm
8KW 732 579-003	15	Butt connectors		0.5 - 1.0
8KW 732 575-003	15	Ring connectors	M6	1.5 - 2.5
8KW 732 566-003	15	Blade receptacles completely insulated	6.3 x 0.8 mm	0.5 - 1.0
8KW 744 766-003	15	Pin terminals	5 mm dia.	1.5 - 2.5
8KW 732 580-003	15	Butt connectors		1.5 - 2.5
8KW 732 576-003	15	Ring connectors	M6	4.0 - 6.0
8KW 732 567-003	15	Blade receptacles completely insulated	6.3 x 0.8 mm	1.5 - 2.5
8KW 744 768-003	15	Round plug sockets completely insulated	5 mm dia.	1.5 - 2.5
8KW 732 581-003	15	Butt connectors		4.0 - 6.0
8KW 732 577-003	15	Ring connectors	M8	1.5 - 2.5
8KW 732 568-003	15	Blade terminals	6.3 x 0.8 mm	0.5 - 1.0
8KW 744 757-003	15	Fork connectors	M4	1.5 - 2.5
8KW 732 573-003	15	Ring connectors	M5	1.5 - 2.5
8KW 732 574-003	15	Ring connectors	M5	4.0 - 6.0
8KW 732 569-003	15	Blade terminals	6.3 x 0.8 mm	1.5 - 2.5
8KW 744 758-003	15	Fork connectors	M5	1.5 - 2.5
9XX 863 802-001	1	Assortment case, empty without dividers		
9XX 863 800-011	1	Dividers 8-1 for assortment case		



Crimp terminals

with Nylon insulation, DIN 46237, -> 600V, -> 105 °C

Bezeichnung	Cable section in sq. mm	Description	Colour	Part no.	Pk Pro-fit pack.
	0.5 - 1.0	for pins M3	red	8KW 178 042-002	100
		for pins M4		8KW 178 042-012	100
		for pins M5		8KW 178 042-022	100
		for pins M6		8KW 178 042-032	100
		for pins M8		8KW 178 042-042	100
		for pins M10		8KW 178 042-052	100
	1.5 - 2.5	for pins M3	blue	8KW 178 042-102	100
		for pins M4		8KW 178 042-112	100
		for pins M5		8KW 178 042-122	100
		for pins M6		8KW 178 042-132	100
		for pins M8		8KW 178 042-142	100
		for pins M10		8KW 178 042-152	100
	4.0 - 6.0	for pins M4	yellow	8KW 178 042-202	50
		for pins M5		8KW 178 042-212	50
		for pins M6		8KW 178 042-222	50
		for pins M8		8KW 178 042-232	50
		for pins M10		8KW 178 042-242	50
				0.5 - 1.5	for pins M3
	for pins M5		8KW 178 045-012	100	
1.5 - 2.5			blue	8KW 178 045-102	50
	for pins M6			8KW 178 045-112	50
4.0 - 6.0	for pins M5		yellow	8KW 178 045-202	50
	for pins M6			8KW 178 045-212	50
	for pins M8	8KW 178 045-222		50	
	0.5 - 1.5		red	8KW 178 043-002	100
	1.5 - 2.5			8KW 178 043-012	50
	4.0 - 6.0			8KW 178 043-022	50
	0.5 - 1.5	1.9 mm	red	8KW 178 044-002	100
	1.5 - 2.5			8KW 178 044-012	100
	4.0 - 6.0	2.8 mm		8KW 178 044-022	50

CWT-soldering bushings

for wires sensitive to temperature where soldering is impossible.


The soldering bushing is shrunk using a hot-air gun, but preferably with the reflector.

The integrated solder ring melts and the hot shrink tubing coated with adhesive connects to the insulation on the wire.

After it has been heated the connection is soldered, insulated and mechanically balanced.

Suitable as a high-quality connection for individual wires and for grounding the screening of coaxial wires.



Type	Cable section sq. mm	Max. diameter insulation mm	Colour	Part no.	Pk. Pro-fit pack
	2 x 0.3 - 0.8	1.7	clear	8KW 744 890-013	50
	2 x 0.8 - 2.0	2.7	red	8KW 744 887-013	50
	2 x 1.0 - 2.0	4.3	blue	8KW 744 888-013	50
	2 x 4.0 - 6.0	5.8	yellow	8KW 744 889-013	50

*) Standard pack

Superseal-assortments



Part no.	Pk.	Contents:
8KW 744 805-801	1	Contents: 1 pin housing 1 bush housing 2 pin contacts 1.0 - 1.5 sq. mm 2 bush contacts 1.0 - 1.5 sq. mm 2 single conductor seals 1.8 - 2.4 mm dia. 2 single conductor seals 2.6 - 3.3 mm dia. Superseal set, 1-pole
8KW 744 806-801	1	Contents: 1 pin housing 1 bush housing 3 pin contacts 1.0 - 1.5 sq. mm 3 bush contacts 1.0 - 1.5 sq. mm 4 single conductor seals 1.8 - 2.4 mm dia. 4 single conductor seals 2.6 - 3.3 mm dia. 2 dummy plugs Superseal set, 2-pole
8KW 744 807-801	1	Contents: 1 pin housing 1 bush housing 4 pin contacts 1.0 - 1.5 sq. mm 4 bush contacts 1.0 - 1.5 sq. mm 6 single conductor seals 1.8 - 2.4 mm dia. 6 single conductor seals 2.6 - 3.3 mm dia. 4 dummy plugs Superseal set, 3-pole
8KW 744 808-801	1	Contents: 1 pin housing 1 bush housing 5 pin contacts 1.0 - 1.5 sq. mm 5 bush contacts 1.0 - 1.5 sq. mm 8 single conductor seals 1.8 - 2.4 mm dia. 8 single conductor seals 2.6 - 3.3 mm dia. 6 dummy plugs Superseal set, 4-pole
8KW 744 809-801	1	Contents: 1 pin housing 1 bush housing 6 pin contacts 1.0 - 1.5 sq. mm 6 bush contacts 1.0 - 1.5 sq. mm 10 single conductor seals 1.8 - 2.4 mm dia. 10 single conductor seals 2.6 - 3.3 mm dia. 8 dummy plugs Superseal set, 5-pole
8KW 744 810-801	1	Contents: 1 pin housing 1 bush housing 7 pin contacts 1.0 - 1.5 sq. mm 7 bush contacts 1.0 - 1.5 sq. mm 12 single conductor seals 1.8 - 2.4 mm dia. 12 single conductor seals 2.6 - 3.3 mm dia. 10 dummy plugs Superseal set, 6-pole

Superseal connectors

Type	Pole Cable section	Part no.	Pk. Pro-fit-pack
Pin housing Bush housing	1-pole 1-pole	8JA 746 183-012 8KW 744 837-002	10 10
Pin housing Bush housing	2-pole 2-pole	8JA 746 183-022 8JA 746 184-022	10 10
Pin housing Bush housing	3-pole 3-pole	8JA 746 183-032 8JA 746 184-032	10 10
Pin housing Bush housing	4-pole 4-pole	8JA 746 183-042 8JA 746 184-042	10 10
Pin housing Bush housing	5-pole 5-pole	8JA 746 183-052 8JA 746 184-052	10 10
Pin housing Bush housing	6-pole 6-pole	8JA 746 183-062 8JA 746 184-062	10 10
Pin contact Bush contact	1.0 - 1.5 sq. mm 1.0 - 1.5 sq. mm	8KW 744 836-002 8KW 744 837-002	50 50
Single conductor seal Single conductor seal Dummy plug	1.8 - 2.4 sq. mm 2.6 - 3.3 sq. mm	9GD 746 185-002 9GD 746 186-002 9GD 746 187-002	10 10 50



8JA 009 256-801

Superseal connector set

Case with various Superseal plug housings, pin/socket contacts, single conductor seals and dummy plugs (reorder quantity is not the same as the quantity in the set).















Part no.	Piece	Type	Lead size Poles
9GD 746 185-002	100	Single conductor seal	1.8 - 2.4 sq. mm
9GD 746 187-002	100	Dummy plug	
8KW 744 836-002	100	Pin contact	1.0 - 1.5 sq. mm
8KW 744 837-002	100	Bush contact	1.0 - 1.5 sq. mm
8JA 746 183-012	5	Pin housing	1-pole
8JA 746 183-022	5	Pin housing	2-pole
8JA 746 184-022	5	Bush housing	2-pole
8JA 746 183-032	5	Pin housing	3-pole
8JA 746 184-032	5	Bush housing	3-pole
8JA 746 183-042	5	Pin housing	4-pole
8JA 746 184-042	5	Bush housing	4-pole
8JA 746 183-052	5	Pin housing	5-pole
8JA 746 184-052	5	Bush housing	5-pole
8JA 746 183-062	5	Pin housing	6-pole
8JA 746 184-062	5	Bush housing	6-pole
9XX 863 802-001	1	Assortment case, empty without dividers	
9XX 863 800-001	1	Dividers 9-1 for assortment case	
9XX 863 800-011	1	Dividers 8-1 for assortment case	
9XX 863 800-021	1	Dividers 7-1 for assortment case	

Crimp terminals

Non-insulated



	Description	Cable section sq. mm	Size of blade terminals mm	Material / Surface	Part no.	Pk. Pro-fit-pack
	Blade receptacles	0.5 - 1.0	4.8 x 0.8	CuZn/bk	8KW 744 828-003	100
		0.5 - 1.0	6.3 x 0.8	CuZn/AG	8KW 744 882-003	100
		0.75 - 1.5	6.3 x 0.8	CuZn/bk	8KW 043 629-013	100
		1.5 - 2.5	6.3 x 0.8	CuZn/AG	8KW 744 825-003	100
		1.5 - 2.5	6.3 x 0.8	CuZn/bk	8KW 043 630-013	100
		1.5 - 2.5	6.3 x 0.8	CuZn/bk	8KW 043 630-014	1500
	Blade receptacles	4.0 - 6.0	9.5 x 1.2	CuSn/bk	8KW 744 787-003	50
	Blade receptacles	0.5 - 1.5	6.3 x 0.8	CuSn/Sn	8KW 744 827-003	100
	Blade receptacles with locking tab	0.5 - 1.0	2.8 x 0.8	CuSn/Sn	8KW 744 817-003	100
		0.5 - 1.0	4.8 x 0.8	CuZn/Sn	8KW 733 815-003	100
		0.5 - 1.0	6.3 x 0.8	CuZn/bk	8KW 744 819-003	100
		1.5 - 2.5	6.3 x 0.8	CuZn/Sn	8KW 701 235-033	100
		1.5 - 2.5	6.3 x 0.8	CuZn/Sn	8KW 701 235-034	1500
		Soldered pin	6.3 x 0.8	CuSn/frSn	8KW 719 874-007	2500
		1.5 - 2.5	6.3 x 0.8	CuZn/Ag	8KW 744 820-003	100
		4.0 - 6.0	9.5 x 0.8	CuSn4	8KW 744 822-003	50
	Blade receptacles with locking tab	1.5 - 2.5	6.3 x 0.8	CuSn/Ag	8KW 744 821-003	100
	Blade terminals	0.5 - 1.0	2.8 x 0.8	CuZn/bk	8KW 744 752-003	100
		0.5 - 1.0	6.3 x 0.8	CuZn/Sn	8KW 043 635-013	100
		1.5 - 2.5	6.3 x 0.8	CuZn/bk	8KW 744 823-003	100
	Blade terminals with locking tab	0.5 - 1.0	2.8 x 0.8	CuZn/Sn	8KW 744 834-003	100
		0.5 - 1.0	2.8 x 0.8	CuSn/Sn	8KW 744 879-003	100
		0.5 - 1.0	6.3 x 0.8	CuZn/frSn	8KW 744 832-003	100
		1.5 - 2.5	6.3 x 0.8	CuZn/frSn	8KW 048 056-033	100
		1.5 - 2.5	6.3 x 0.8	CuZn/Ag	8KW 744 833-003	100
	2-way connectors	0.5 - 1.0	6.3 x 0.8	CuZn/bk	8KW 701 671-003	100
		1.5 - 2.5	6.3 x 0.8	CuZn/bk	8KW 744 885-013	100
	2-way connectors		6.3 x 0.8	CuZn/bk	8KW 043 636-003	100
	3-way connectors		6.3 x 0.8	CuZn/Sn	8KW 700 144-003	50
	Coupling 45 degrees		6.3 x 0.8 4.2 mm dia.	CuZn/Sn	8KW 044 285-023	100
	Insulating sleeves	for blade receptacles			8KX 707 925-003	50
		for blade terminals	6.3 x 0.8 mm		8KX 707 924-003	50








8KW 009 255-801

Crimp connector set, not insulated

Case with various uninsulated connectors
(reorder quantity is not the same as the quantity in the set).



Part no. spare parts	Piece	Type	Connector width	Cable section sq. mm
8KW 744 817-003	50	Blade receptacles with locking tab	2.8 x 0.8	0.5 - 1.0
8KW 744 828-003	50	Blade receptacles	4.8 x 0.8	0.5 - 1.0
8KW 744 834-003	50	Blade terminals with locking tab	2.8 x 0.8	0.5 - 1.0
8KW 733 815-003	50	Blade receptacles with locking tab	4.8 x 0.8	0.5 - 1.0
8KW 043 629-013	50	Blade receptacles	6.3 x 0.8	0.75 - 1.5
8KW 744 832-003	50	Blade terminals with locking tab	6.3 x 0.8	0.5 - 1.0
8KW 744 819-003	50	Blade receptacles with locking tab	6.3 x 0.8	0.5 - 1.0
8KW 043 630-013	50	Blade receptacles	6.3 x 0.8	1.5 - 2.5
8KW 048 056-033	50	Blade terminals with locking tab	6.3 x 0.8	1.5 - 2.5
8KW 701 235-033	50	Blade receptacles with locking tab	6.3 x 0.8	1.5 - 2.5
8KW 744 787-003	20	Blade receptacles	9.5 x 1.2	4.0 - 6.0
8KW 744 823-003	50	Blade terminals	6.3 x 0.8	1.5 - 2.5
8KW 043 636-003	50	2-way connectors	6.3 x 0.8	
8KW 700 144-003	20	3-way connectors	6.3 x 0.8	
8KW 744 885-013	20	2-way connectors	6.3 x 0.8	1.5 - 2.5
8KW 744 821-003	20	Blade receptacles with locking tab	6.3 x 0.8	1.5 - 2.5
8KW 744 827-003	20	Blade receptacles	6.3 x 0.8	0.5 - 1.5
8KW 744 804-00	20	Blade terminals 45 degrees	6.3 x 0.8	
8KW 044 285-00	20	Coupling	6.3 x 0.8	
9XX 863 802-001	1	Assortment case, empty without dividers		
9XX 863 800-001	1	Dividers 9-1 for assortment case		
9XX 863 800-011	1	Dividers 8-1 for assortment case		

Description	Cable section sq. mm	Size of blade terminals mm	Material / Surface	Part no.	Pk. Pro-fit-pack
 Micro Timer II Blade receptacles	0.5 - 1.0	1.6 x 0.8	CuFe/Sn	8KW 863 933-003	50
 Blade terminals for single conductor seal	0.5 - 1.0	1.6 x 0.8	CuFe/Sn CuSn/Sn	8KW 863 932-003 8KW 863 932-013	50 50
 Single conductor seal	1.4 x 1.9 mm		Silicon grey	9GD 863 952-012	50
 Dummy plug			Silicon white	9GD 863 952-002	50
 Junior Timer Blade receptacles with one catch spring	0.5 - 1.0 1.0 - 2.5	2.8 x 0.8	CuZn/Sn CuZn/Sn	8KW 863 926-003 8KW 863 926-013	50 50
 Blade terminals with asymmetric upper steel spring	0.5 - 1.0	2.8 x 0.8	CuFe/Sn	8KW 863 931-003	50
 Blade terminals with symmetric upper steel spring	0.5 - 1.0	2.8 x 0.8	CuFe/Sn	8KW 863 930-003	50

Crimp terminals

Non-insulated

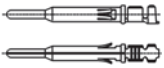
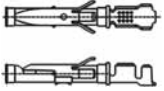
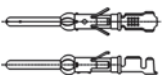
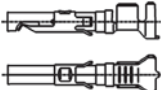
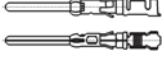
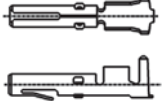
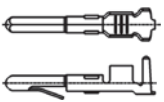
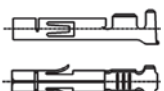



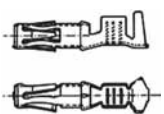

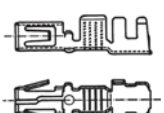
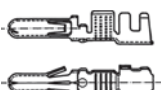


	Description	Cable section sq. mm	Size of blade terminals mm	Material / Surface	Part no.	Pk. Pro-fit-pack
	Junior Power Timer Blade receptacles	0.5 - 1.0	2.8 x 0.8	CuSn/Sn	8KW 863 934-003	50
		1.0 - 2.5		CuSn/Sn	8KW 863 934-023	50
					8KW 863 934-024	1000
					8KW 863 934-013	50
	for single conductor seal	0.5 - 1.0		CuSn/Sn	8KW 863 934-013	50
	Blade terminals with asymmetric upper steel spring	0.5 - 1.0	2.8 x 0.8	CuFe/Sn	8KW 863 931-003	50
	Blade terminals with symmetric upper steel spring	0.5 - 1.0	2.8 x 0.8	CuFe/Sn	8KW 863 930-003	50
	Blade terminals with symmetric upper steel spring for single conductor seal	0.5 - 1.0	2.8 x 0.8	CuSn/Sn	8KW 863 930-013	50
	Single conductor seal	1.2 - 2.1 mm		Silicon blue	9GD 863 953-012	50
	Dummy plug			Silicon nature	9GD 863 953-002	50
	Standard Timer Blade receptacles with one catch spring	0.5 - 1.5	4.8/5.8/6.8 x 0.8	CuZn/Sn	8KW 863 925-003	50
		1.0 - 2.5		CuSn/Sn	8KW 863 925-013	50
	Blade terminals with symmetric upper steel spring	0.5 - 1.0	5.8 x 0.8	CuFe/Sn	8KW 863 928-003	50
		1.5 - 2.5		CuFe/Sn	8KW 863 928-013	50
	Standard Power Timer Blade receptacles	0.5 - 1.0	4.8/5.8/6.8 x 0.8	CuFe/Sn	8KW 863 927-003	50
		1.5 - 2.5		CuFe/Sn	8KW 863 927-013	50
		2.5 - 4.0		CuFe/Sn	8KW 863 927-023	50
		1.5 - 2.5		CuFe/Sn	8KW 863 927-033	10
	Blade terminals with symmetric upper steel spring	0.5 - 1.0	5.8 x 0.8	CuFe/Sn	8KW 863 928-003	50
		1.5 - 2.5		CuFe/Sn	8KW 863 928-013	50
	with symmetrical upper steel spring for single conductor seal	1.5 - 2.5		CuFe/Sn	8KW 863 928-023	50
	Single conductor seal	2.2 - 3.0 mm		Silicon white	9GD 863 954-012	50
	Dummy plug			Silicon black	9GD 863 954-002	50
	Maxi Power Timer Blade receptacles for single conductor seal	2.5 - 4.0	9.5 x 1.2	CuNi/Sn	8KW 863 951-003	10
		4.0 - 6.0		CuNi/Sn	8KW 863 951-013	10
		6.0 - 10.0		CuNi/Sn	8KW 863 951-023	10
	Single conductor seal	4.7 - 5.3 mm		Silicon blue	9GD 863 961-012	10
		5.8 - 6.6 mm		Silicon light blue	9GD 863 961-022	10
	Plug connectors: CIC Bush contact	0.5 - 1.5	1.6	CuZn/Sn	8KW 863 918-003	50
		1.0 - 2.5		CuSn/Sn	8KW 863 918-013	50



Crimp terminals








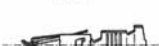
Non-insulated

	Description	Cable section sq. mm	Size of blade terminals mm	Material / Surface	Part no.	Pk. Pro-fit-pack
	Pin contact	0.5 - 1.5	1.6	CuZn/Sn	8KW 863 919-003	50
		1.0 - 2.5		CuZn/Sn	8KW 863 919-013	50
	Plug connectors: Type III for M.series Bush contact	0.75 - 1.5	1.6	CuZn/Sn	8KW 863 945-003	50
		0.2 - 0.56		CuSn/Sn	8KW 863 945-013	50
	Pin contact	0.75 - 1.5	1.6	CuZn/Sn	8KW 863 929-003	50
		0.2 - 0.56		CuSn/Sn	8KW 863 929-013	50
	Plug connectors: CI 2 Bush contact	0.5 - 1.0	1.6	CuSn/Sn	8KW 863 917-013	50
	Pin contact	0.5 - 1.5	1.6	CuZn/Sn	8KW 863 924-003	50
	Plug connectors: Mate-N-Lock Bush contact	0.5 - 1.0	2.1	CuZn/Sn	8KW 863 916-003	50
		1.0 - 2.5		CuZn/Sn	8KW 863 916-013	50
	Pin contact	0.5 - 1.0	2.1	CuZn/Sn	8KW 863 915-013	50
		1.0 - 2.5		CuZn/Sn	8KW 863 915-003	50
	Plug connectors: Universal Mate-N-Lock Bush contact	0.5 - 2.1	2.1	CuSn/Sn	8KW 863 923-003	50
		1.5 - 2.5		CuZn/Sn	8KW 863 923-013	50
	Sockets	3-pole			8JA 180 664-002	10
		6-pole		8JA 180 664-012	10	
		12-pole		8JA 180 664-022	10	
		15-pole		8JA 180 664-032	10	
	Pin contact	0.5 - 2.1	2.1	CuZn/Sn	8KW 863 922-013	10
		1.5 - 2.5		CuZn/Sn	8KW 863 922-003	10
	Sockets	3-pole			8JA 180 663-002	10
		6-pole		8JA 180 663-012	10	
		12-pole		8JA 180 663-022	10	
		12-pole		8JA 180 663-032	10	
	Cable connectors for Coni-Round plug system	0.75 - 1.5 sleeve	1.6 mm dia.	CuZn/frSn	8KW 054 946-003	50
		1.5 - 2.5 Sleeve	1.6 mm dia.	CuZn/frSn	8KW 744 864-003	50
	Cable connectors for Coni-Round plug system	0.75 - 1.5 Plug	1.6 mm dia.	CuSn/frSn	8KW 054 945-003	50
		1.5 - 2.5 Plug	1.6 mm dia.	CuZn/frSn	8KW 744 866-003	50
	RAM-Round plug systems	1.5 - 2.5 Sleeve	3.5 mm dia.	CuZn/frSn	8KW 054 948-003	50
		4.0 - 6.0 Sleeve	3.5 mm dia.	CuZn/frSn	8KW 054 948-013	50
	RAM-Round plug systems	1.5 - 2.5 Plug	3.5 mm dia.	CuSn/frSn	8KW 054 947-003	50
		4.0 - 6.0 Plug	3.5 mm dia.	CuSn/frSn	8KW 054 947-013	50

Crimp terminals

Non-insulated



	Description	Cable section sq. mm	Size of blade terminals mm	Material / Surface	Part no.	Pk. Pro-fit-pack
 	RSA-Round plug systems	1.5 - 2.5 Sleeve	1.6 mm dia.	CuSn/frSn	8KW 054 950-003	50
 	MDK5-Blade receptacles	0.5 - 1.0 1.5 - 2.5	2.8/4.8 x 0.8 2.8/4.8 x 0.8	CuSn/frSn CuSn/frSn	8KW 054 942-003 8KW 054 941-003	50 50
 	DFK 2-Blade receptacles	1.5 - 2.5 2.5 - 4.0	4.8 + 6.3 x 0.8 4.8 + 6.3 x 0.8	CuSn/frSn CuSn/frSn	8KW 054 944-003 8KW 054 943-003	50 50
 	AFK-Blade receptacles	1.5 - 2.5	4.8 + 6.3 x 0.8	CuFe/frSn	8KW 172 971-002 8KW 172 971-003	50 1000



CONI housings for round plug connections
 splash-proof, 1.6 mm dia., for cable cross-section 0.2 - 2.5 sq. mm, max. 250V



Description	Pole	Part no.	Pk. Pro-fit pack
Pin housing	3-pole	8KW 744 851-003	10



Bush housing	3-pole	8KW 744 854-003	10
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Pin housing	6-pole	8KW 744 852-003	10
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Bush housing	6-pole	8KW 744 855-003	10
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Bush housing	12-pole	8KW 744 853-003	10
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Bush housing	12-pole	8KW 744 857-003	10
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Pin housing	15-pole	8KW 744 886-003	10
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Bush housing	15-pole	8KW 744 856-003	10
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Crimp terminals

Non-insulated



Solder-free tubular cable lugs

for pressing, ring-shaped, made of copper, tin-plated



Cable section sq. mm	Eyelet hole dia. mm	For screw	Part no.	Pk. Pro-fit pack
> 1.0 - 2.5	3.2	M3	8KW 744 708-003	100
> 1.0 - 2.5	4.3	M4	8KW 744 709-003	100
> 1.0 - 2.5	5.3	M5	8KW 744 710-003	100
> 1.0 - 2.5	6.5	M6	8KW 744 711-003	100
> 2.5 - 6.0	4.3	M4	8KW 744 712-003	100
> 2.5 - 6.0	5.3	M5	8KW 744 713-003	100
> 2.5 - 6.0	6.5	M6	8KW 744 714-003	100
> 2.5 - 6.0	8.4	M8	8KW 744 715-003	50
> 6.0 - 10.0	5.3	M5	8KW 744 716-003	50
> 6.0 - 10.0	6.5	M6	8KW 744 717-003	50
> 6.0 - 10.0	8.4	M8	8KW 744 718-003	50
> 6.0 - 10.0	10.5	M10	8KW 744 719-003	50
> 10.0 - 16.0	5.3	M5	8KW 744 720-003	50
> 10.0 - 16.0	6.5	M6	8KW 744 721-003	50
> 10.0 - 16.0	8.4	M8	8KW 744 722-003	50
> 10.0 - 16.0	10.5	M10	8KW 744 723-003	50
> 16.0 - 25.0	6.5	M6	8KW 744 724-003	25
> 16.0 - 25.0	8.4	M8	8KW 744 725-003	25
> 16.0 - 25.0	10.5	M10	8KW 744 726-003	25
> 25.0 - 35.0	6.5	M6	8KW 744 727-003	25
> 25.0 - 35.0	8.4	M8	8KW 744 728-003	25
> 25.0 - 35.0	10.5	M10	8KW 744 729-003	25
> 35.0 - 50.0	8.4	M8	8KW 744 730-003	10
> 35.0 - 50.0	10.5	M10	8KW 744 731-003	10
> 35.0 - 50.0	13.0	M12	8KW 744 732-003	10
> 50.0 - 70.0	8.4	M8	8KW 746 778-003	10
> 50.0 - 70.0	10.5	M10	8KW 746 779-003	10
> 50.0 - 70.0	13.0	M12	8KW 746 783-003	10
> 70.0 - 95.0	10.5	M10	8KW 746 780-003	2
> 70.0 - 95.0	13.0	M12	8KW 746 781-003	2
> 95.0 - 120.0	13.0	M12	8KW 746 782-003	2

Solder tubular cable Lugs

(DIN 42 611), ring-shaped, brass, tin-plated, non-insulated



> 1.5 - 2.5	6.5	M6	8KW 177 784-012	100
> 2.5 - 6.0	5.3	M5	8KW 177 784-002	100
> 2.5 - 6.0	6.5	M6	8KW 177 784-102	50
> 6.0 - 10.0	6.5	M6	8KW 177 784-202	25
> 10.0 - 16.0	6.5	M6	8KW 177 784-302	50
> 2.5 - 6.0	8.4	M8	8KW 177 784-112	50
> 6.0 - 10.0	8.4	M8	8KW 177 784-212	25
> 10.0 - 16.0	8.4	M8	8KW 177 784-312	25
> 16.0 - 25.0	8.4	M8	8KW 177 784-402	10
> 25.0 - 35.0	8.4	M8	8KW 177 784-502	10
> 2.5 - 6.0	10.5	M10	8KW 177 784-122	50
> 6.0 - 10.0	10.5	M10	8KW 177 784-222	25
> 10.0 - 16.0	10.5	M10	8KW 177 784-322	25
> 16.0 - 25.0	10.5	M10	8KW 177 784-412	10
> 25.0 - 35.0	10.5	M10	8KW 177 784-512	10
> 35.0 - 50.0	10.5	M10	8KW 177 784-602	5
> 50.0 - 70.0	10.5	M10	8KW 177 784-702	5
> 10.0 - 16.0	13.0	M12	8KW 177 784-332	25
> 16.0 - 25.0	13.0	M12	8KW 177 784-422	10
> 25.0 - 35.0	13.0	M12	8KW 177 784-522	10
> 35.0 - 50.0	13.0	M12	8KW 177 784-612	5
> 50.0 - 70.0	13.0	M12	8KW 177 784-712	5

Special crimping tools

Model Profi I

For crimping cable terminals and butt connectors with insulation. Even low force application ensures extremely high contact pressure. This guarantees crimp connections with maximum contact and high electrical values. Catch mechanism guarantees uniform contact pressure.



Part no.	Pk.	
8PE 002 007-001	1	Special crimping tool for insulated crimp terminals, cable cross-section 0.5 - 6.0 sq. mm (red, blue, yellow)

Model Profi II

For crimping cable terminals and butt connectors without insulation. Even low force application ensures extremely high contact pressure. This guarantees crimp connections with maximum contact and high electrical values. Catch mechanism guarantees uniform contact pressure.
















Part no.	Pk.	
8PE 002 007-011	1	Special crimping tool for non-insulated crimp terminals, cable cross-section 0.5 - 6.0 sq. mm

Expert

Suitable for cutting bolts with threads in conformance with ISO from M2.6 - M3.5 and for shortening and stripping insulation on conductors with cross-section from 0.75 - 6.0 sq. mm.



Part no.	Pk.	
8PE 002 006-001	1	Special crimping tool for insulated crimp terminals, cable cross-section 0.5 - 6.0 sq. mm (red, blue, yellow)

Type	For receiving of	Size of blade terminal	Pole	Part no.	Pk.
	1 blade receptacle	6.3 mm	1-pole	8JD 008 151-001	10
				8JD 008 151-007	1000
	2 blade receptacles	6.3 mm	2-pole	8JD 008 151-011	10
	2 blade receptacles	6.3 mm	2-pole	8JD 008 151-021	10
	3 blade receptacles	6.3 mm	3-pole	8JD 008 151-031	10
	4 blade receptacles	6.3 mm	4-pole	8JD 008 151-041	10
	6 blade receptacles	6.3 mm	6-pole	8JD 008 151-051	10
	8 blade receptacles	6.3 mm	8-pole	8JD 008 151-061	10
	1 blade terminal	6.3 mm	1-pole	8JD 008 152-001	10
	2 blade terminals	6.3 mm	2-pole	8JD 008 152-011	10
	2 blade terminals	6.3 mm	2-pole	8JD 008 152-021	10
	3 blade terminals	6.3 mm	3-pole	8JD 008 152-031	10
	4 blade terminals	6.3 mm	4-pole	8JD 008 152-041	10
	6 blade terminals	6.3 mm	6-pole	8JD 008 152-051	10



Sockets

For bulb holders 9FF 713 627-001/-011.

Part no.	Pk.	
8JA 715 600-001	10	Socket, 2-pole



For receiving max. eight 6.3 mm blade terminals.

Part no.	Pk.	
8JA 713 631-001	10	Socket, 8-pole



Socket housing

For switches in model range 6HF 001 579-...

For receiving max. eight 6.3 mm blade terminals.

Part no.	Pk.	
8JA 001 926-001	10	Socket, 8-pole Self-service box



For switches in model range 003 916-...

For receiving max. nine 6.3 mm blade terminals.

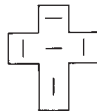
Part no.	Pk.	
8JA 711 375-001	5	Socket, 9-pole Self-service box



Sockets for relays

For mini-relays.

With SAE terminal arrangement, 5-pole,
for receiving five 6.3 mm blade receptacles.

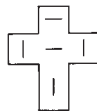


Part no.	Pk.	
8JA 715 606-001	50	Socket, 5-pole



For mini-relays.

With SAE terminal arrangement, 5-pole,
for receiving five 6.3 mm blade receptacles.
Made of black plastic.
For mounting on PCB's.



Part no.	Pk.	
8JA 717 291-007	100	Socket, 5-pole

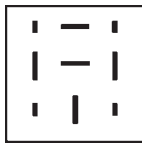


For mini-relays.

With SAE terminal arrangement, 5-pole,
for receiving five 6.3 mm blade receptacles 8KW 719 874-007.
Made of black plastic.



Part no.	Pk.	
8JD 733 963-001	5	Socket, 5-pole



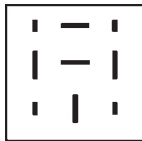
Sockets for relays

For mini-relays.

With SAE terminal arrangement, 9-pole,

for receiving five 6.3 mm blade receptacles and four 2.8 mm blade receptacles. Made of black plastic.

Part no.	Pk.	
8JA 003 526-001	5	Socket, 9-pole
8JA 003 526-002	50	

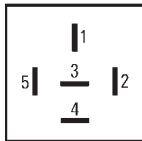


For mini-relays.

With SAE terminal arrangement, 9-pole,

for receiving three blade receptacles 6.3 mm, two blade receptacles 9.5 mm and 4 blade receptacles 2.8 mm. Made of black plastic.

Part no.	Pk.	
8JA 183 161-002	5	Socket, 9-pole
Accessories:		
Blade receptacles with locking tab for cable section		
8KW 744 819-003	100	0.5 - 1.0 sq. mm (connector width 6.3 x 0.8 mm)
8KW 701 235-033	100	1.5 - 2.5 sq. mm (connector width 6.3 x 0.8 mm)
8KW 744 820-003	100	1.5 - 2.5 sq. mm (connector width 6.3 x 0.8 mm)
8KW 744 822-003	50	4.0 - 6.0 sq. mm (connector width 9.5 x 0.8 mm)

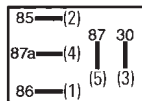


For waterproof ISO mini-relays

4RD 960 388-221/-711 and 4RD 930 141-141 with circuit diagram B1.

Connecting cable 300 mm, 480 mm.

Part no.	Pk.	
8JD 745 803-001	1	Socket, 9-pole

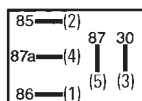


For micro-relays. With SAE terminal arrangement, 5-pole.

For receiving three 4.8 mm blade receptacles and two 6.3 mm blade receptacles.

Made of black plastic.

Part no.	Pk.	
8JD 733 767-001	5	Socket, 5-pole

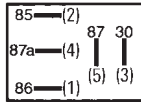


For micro-relays. With SAE terminal arrangement, 5-pole.

For receiving three 4.8 mm blade receptacles and two 6.3 mm blade receptacles.

Made of black plastic.

Part no.	Pk.	
8JD 733 962-001	5	Socket, 5-pole



Sockets for relays

For micro-relays. With SAE terminal arrangement, 5-pole, be lined,
for receiving three 4.3 mm blade receptacles and
two 6.3 mm blade receptacles.
Made of black plastic.

Part no.	Pk.	
8JD 187 872-001	10	Socket, 5-pole
8JD 187 871-031	1	Accessories: MINI-fuse holder

Socket for flasher units

6-pole,
for receiving six 6.3 mm blade terminals.
Made of black plastic.



Part no.	Pk.	
9NH 701 230-001	10	Socket, 6-pole Self-service box

Retaining spring for relays

For mounting mini-relays.



Part no.	Pk.	
9KB 710 131-001	10	Retaining spring



Cable straps with clip

Material: cable straps PA6.6, clip C75S
 Temperature stability: -40 °C to +140 °C.
 For cable loom: 1 - 45 mm.

Part no.	Pk.	Colour	Size mm	Profilstärke
8HL 185 549-001	100	black	200 x 4.8	0.7 - 3.0 mm
8HL 185 549-011	100	black	200 x 4.8	0.7 - 3.0 mm
8HL 185 549-021	100	black	200 x 4.8	0.7 - 3.0 mm
8HL 185 549-031	100	black	200 x 4.8	0.7 - 3.0 mm
8HL 185 549-041	100	black	200 x 4.8	3.0 - 6.0 mm
8HL 185 549-051	100	black	200 x 4.8	3.0 - 6.0 mm
8HL 185 549-061	100	black	200 x 4.8	3.0 - 6.0 mm
8HL 185 549-071	100	black	200 x 4.8	3.0 - 6.0 mm

Plastic cable straps

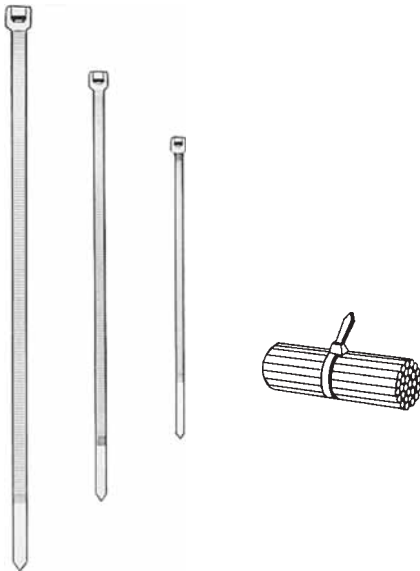
Self-service box

Material: polyamid 6.6, non detachable.

Flammability class: UL 94 V2.

Other characteristics: free of halogen, free of silicone.

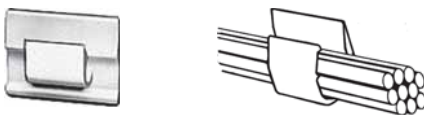
Temperature stability: -40 °C to +85 °C.



Part no.	Pk.	Colour	Size mm	For cable loom up to
8HL 707 877-002	100	natural	100 x 2.5	22 mm dia.
8HL 717 962-001	100	black		
8HL 707 877-012	100	natural	140 x 3.6	33 mm dia.
8HL 717 962-011	100	black		
8HL 707 877-081	100	natural	160 x 4.8	36 mm dia.
8HL 717 962-161	100	black		
8HL 707 877-022	100	natural	195 x 4.7	48 mm dia.
8HL 717 962-021	100	black		
8HL 707 877-121	100	natural	200 x 2.5	49 mm dia.
8HL 717 962-131	100	black		
8HL 717 962-061	100	black	200 x 7.6	50 mm dia.
8HL 707 877-091	100	natural	200 x 3.6	55 mm dia.
8HL 717 962-171	100	black		
8HL 717 962-111	100	black	292 x 7.6	77 mm dia.
8HL 707 877-101	100	natural	292 x 3.6	75 mm dia.
8HL 717 962-141	100	black		
8HL 707 877-041	100	natural	280 x 4.8	70 mm dia.
8HL 717 962-031	100	black		
8HL 707 877-032	100	natural	360 x 4.8	100 mm dia.
8HL 717 962-041	100	black		
8HL 707 877-051	100	natural	368 x 7.6	102 mm dia.
8HL 717 962-051	100	black		
8HL 707 877-141	100	natural	430 x 4.8	120 mm dia.
8HL 717 962-181	100	black		
8HL 707 877-131	100	natural	580 x 13.0	152 mm dia.
8HL 717 962-121	100	black	612 x 9.0	194 mm dia.

Accessories for plastic cable straps

Self-adhesive, natural coloured cable clip.



Part no.	Pk.	
		For cable looms, up to 7.1 mm dia. Size: 25 x 25 mm.
8HL 717 964-001	100	Cable clips Self-service box

Natural coloured self-adhesive plate for attachment of cable looms to flat, smooth, grease-free body parts and wall surfaces.

Additional screw fixing with M5 screw also possible.

For cable straps up to 5.0 mm width.

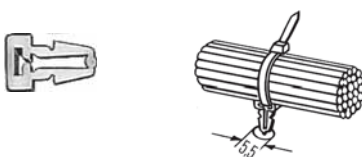
Size: 27.7 x 27.7 x 5.5 mm.



Part no.	Pk.	
8HL 707 879-012	100	Self-adhesive plates Self-service box

Natural coloured expanding clip for attaching cable looms to body parts and wall surfaces up to 3.5 mm thick.

(Hole 6 mm dia.). For cable straps up to 4.8 mm width.



Part no.	Pk.	
8HL 707 878-002	100	Expanding clips Self-service box



Twist-lock cable ties for leads

Material: PA 6/6.

Part no.	Pk.	
8HL 177 884-002	100	Twist-lock cable ties Diameter: 11.2 mm Bundle diameter: 10.2 mm
8HL 177 884-012	100	Diameter: 15.0 mm Bundle diameter: 14.0 mm
8HL 177 884-022	100	Diameter: 19.5 mm Bundle diameter: 19.0 mm

Plastic insulating tapes

Soft PVC, adhesive on one side.

Characteristics:

- high adhesive strength, soft and smooth, self-extinguishing, lead-free, easy to process.
- Complies with VDE, ÖVE and SEV according to type approval IEC 60454-3-1-10/F-PVCp/105.
- Tape width: 15 mm. Tape thickness: 0.15 mm.
- Temperature stability: -10 °C to +105 °C.
- Tensile strength: approx. 20.0 N/cm.
- Elongation at tear: approx. 190%.
- Adhesive strength on steel: 1.8 N/cm.
- Dielectric strength: 40 KV/MM.



Part no.	Pk.	
9MJ 707 869-852	2	Plastic insulating tape, 10 m long, in Pro-fit pack
9MJ 707 874-821	1	
9MJ 707 869-013	10	Plastic insulating tape, 10 m long, in self-service box
9MJ 707 870-013	10	
9MJ 707 871-013	10	
9MJ 707 873-013	10	
9MJ 707 874-013	10	
9MJ 707 875-013	10	
9MJ 186 375-003	10	Plastic insulating tape, 25 m long, in self-service box black
9MJ 707 869-003	10	Plastic insulating tape, 4.5 m long, in self-service box
9MJ 707 872-003	10	
9MJ 707 875-003	10	

Self-bonding tape

For repairing damaged cables.

Tape width: 19 mm. Tape thickness: 1.0 mm.

Tensile strength: > 5.0 N/cm.

Elongation at tear: approx. 55 %.

Dielectric strength: 12 KV/MM.

Temperature stability: -40 °C to +105 °C.



Part no.	Pk.	
9MJ 735 430-001	1	Self-bonding tape, 5 m long, in Pro-fit pack

Plastic insulating tapes

Adhesive on one side.

Flammability classification A in accordance with LV 312.

Tape width 19 mm. Tape thickness: 0.17 mm.

Stain-resistant. Self-service box.



Part no.	Pk.	
9MJ 176 267-001	1	Plastic insulating tape, made of polyester fabric, black with rattle and abrasion protection. Temperature stability: -40 °C to +125 °C. Tape thickness: 0.3 mm. 25 m long
9MJ 176 270-001	1	Plastic insulating tape, made of polyester fabric, black, self-extinguishing. Temperature stability: -20 °C to +105 °C. Tape thickness: 0.3 mm. 20 m long
9MJ 176 269-001	1	25 m long
9MJ 176 271-001	1	Plastic insulating tape, made of PVC, black. Temperature stability: -40 °C to +125 °C. Tape thickness: 0.15 mm. 33 m long
9MJ 186 375-011	1	made of PE, silver. Temperature stability: -40 °C to +80 °C. Tape thickness: 0.18 mm. 50 m long



Thread sealing tape

For sealing screw connections.

Dimensions: 12 m x 12 mm x 0.1 mm.



Part no.	Pk.	
9XX 734 570-001	10	Thread sealing tape, white Supplied in shrink packs

9MJ 178 458-801

Heat-shrink tubing assortment

Case with various heat-shrink tubings.



Part no. spare parts	Piece	Colors	Length mm	Dia. mm
9MJ 178 458-002	20 each of	red, yellow, blue	50	2.4
9MJ 178 458-012	30 each of	black, transparent		2.4
9MJ 178 458-022	20 each of	red, yellow, blue		3.2
9MJ 178 458-032	30 each of	black, transparent		3.2
9MJ 178 458-042	20 each of	red, yellow, blue		4.8
9MJ 178 458-052	20 each of	black, transparent		4.8
9MJ 178 458-062	20 each of	red, yellow, blue		6.4
9MJ 178 458-072	30 each of	black, transparent	6.4	
9MJ 178 458-082	4 each of	black, transparent, red, yellow, blue	100	9.5
9MJ 178 458-092	4 each of	black, transparent, red, yellow, blue		12.5
9MJ 178 458-102	10 each of	black, transparent		19.1
9MJ 178 458-112	5 each of	black, transparent, red, yellow, blue	200	9.5
9MJ 178 458-122	5 each of 5 each of	black black		19.1 24.5



Heat-shrink tubing

Shipped in box, with roll.

For bundling and the protection of leads.

Self-extinguishing: UL 224 VW-1, halogenated.

Temperature stability: -55 °C to +125 °C (Long-term loading: max. 100 °C).

Shrinking factor: 2:1. Minimum shrinking temperature: 70 °C.

Voltage-resistant: Up to 600V.

Part no.	Pk.	Colour	Length mm	Diameter
9MJ 007 825-071	1	black	4.0 m	25.4 mm
9MJ 007 825-041	1	black	5.0 m	19.1 mm
9MJ 007 825-021	1	black	6.5 m	9.5 mm
9MJ 007 825-051	1	black	6.5 m	12.7 mm
9MJ 007 825-031	1	black	7.5 m	6.4 mm
9MJ 007 825-001	1	black	9.5 m	4.8 mm
9MJ 007 825-011	1	black	11.5 m	3.2 mm
9MJ 007 825-061	1	black	12.5 m	2.4 mm

Shipped in polyester bag, without roll.

For bundling and the protection of leads.

With adhesive, absolutely water-proof.

Self-extinguishing: SAE-AMS-DTL-23053, halogenated.

Temperature stability: -55 °C to +125 °C

(Long-term loading: max. 100 °C).

Shrinking factor: 3:1.

Minimum shrinking temperature: 70 °C.

Voltage-resistant: up to 600V.

9MJ 008 039-001	20	black	30 cm	3.0 mm
9MJ 008 039-011	16	black	30 cm	4.8 mm
9MJ 008 039-021	13	black	30 cm	6.0 mm
9MJ 008 039-031	1	black	30 cm	9.0 mm
9MJ 008 039-041	9	black	30 cm	12.0 mm
9MJ 008 039-051	7	black	30 cm	19.0 mm
9MJ 008 039-061	5	black	30 cm	24.0 mm



Spiral hoses

Black, UV-resistant.

For bundling leads, wires, hoses, etc.

With high flexibility, all cables

lead into and out anywhere.



Part no.	Pk.	Inside diameter	Outside diameter	Helical width	Bundle range
8JR 178 587-002	10	4.0 mm	5.0 mm	7.0 mm	10 - 50 mm
8JR 178 587-012	10	9.0 mm	10.5 mm	13.9 mm	20 - 65 mm
8JR 178 587-022	10	15.0 mm	17.0 mm	18.2 mm	25 - 100 mm
8JR 178 587-032	10	20.0 mm	23.0 mm	19.6 mm	30 - 130 mm

Hose clips Herkules S

Stainless steel tape and housing, galvanised steel screw.



Part no.	Pk.	Tape width mm	Clamping range mm	Package
8HK 713 394-001	100	5	7 - 11	Folding box
8HK 710 701-111	50	9	8 - 16	Sliding magazine
8HK 710 701-121	50	9	12 - 20	Sliding magazine
8HK 710 701-131	50	9	16 - 25	Sliding magazine
8HK 710 701-141	50	9	20 - 32	Sliding magazine
8HK 710 701-151	25	9	25 - 40	Sliding magazine
8HK 710 701-161	25	9	32 - 50	Sliding magazine
8HK 713 820-001	100	9	8 - 16	Folding box
8HK 713 820-011	100	9	12 - 20	Folding box
8HK 713 820-021	100	9	16 - 25	Folding box
8HK 713 820-031	100	9	20 - 32	Folding box
8HK 713 820-041	100	9	25 - 40	Folding box
8HK 713 820-051	50	9	32 - 50	Folding box
8HK 713 820-061	50	9	40 - 60	Folding box
8HK 713 820-071	50	9	50 - 70	Folding box
8HK 713 820-081	25	9	60 - 80	Folding box
8HK 713 820-091	25	9	70 - 90	Folding box
8HK 713 820-101	25	9	80 - 100	Folding box
8HK 748 453-102	20	12	16 - 27	Folding box
8HK 748 453-112	20	12	20 - 32	Folding box
8HK 748 453-132	10	12	35 - 50	Folding box
8HK 748 453-142	10	12	40 - 60	Folding box
8HK 748 453-152	10	12	50 - 70	Folding box
8HK 748 453-162	10	12	60 - 80	Folding box
8HK 748 453-192	10	12	90 - 110	Folding box

All parts produced completely of galvanised steel.



8HK 748 452-002	100	9	8 - 12	Folding box
8HK 748 452-012	100	9	10 - 16	Folding box
8HK 748 452-022	100	9	10 - 22	Folding box
8HK 748 452-032	100	9	16 - 27	Folding box
8HK 748 452-042	100	9	20 - 32	Folding box
8HK 748 452-052	100	9	25 - 40	Folding box
8HK 748 452-062	50	9	32 - 50	Folding box
8HK 748 452-072	25	9	50 - 70	Folding box
8HK 748 452-082	25	9	60 - 80	Folding box
8HK 748 452-092	25	9	70 - 90	Folding box
8HK 748 452-102	25	9	70 - 100	Folding box
8HK 710 702-101	20	12	16 - 25	Folding box
8HK 710 702-111	20	12	20 - 32	Folding box
8HK 710 702-131	20	12	32 - 50	Folding box
8HK 710 702-141	20	12	40 - 60	Folding box
8HK 710 702-151	20	12	50 - 70	Folding box
8HK 710 702-161	20	12	60 - 80	Folding box
8HK 710 702-191	20	12	90 - 110	Folding box

Spring band clamps FBS / FBS-R

Band material: C 75 S.
Coating contains zinc - chromium VI-free.

Temperature range: - 40 °C to +200 °C
Optimal protection against corrosion.
Dynamic.

FBS R = Space-saving version
Lower profile.

Space-saving.
To assemble the spring band clamps a speciality tool is needed.
Available on request.



Part no.	Pk.	Tape width mm	Nominal dia. mm
8HK 187 228-131	100	12	13
8HK 187 228-141	100	12	14 R
8HK 187 228-151	100	12	15
8HK 187 228-161	100	12	16 R
8HK 187 228-171	100	12	17
8HK 187 228-181	100	12	17
8HK 187 228-191	100	12	19 R
8HK 187 228-201	50	12	20
8HK 187 228-211	50	12	21
8HK 187 228-221	50	12	22
8HK 187 228-231	50	12	23
8HK 187 228-241	50	12	24
8HK 187 228-251	50	12	25
8HK 187 228-261	50	12	26
8HK 187 228-271	50	12	27
8HK 187 228-281	50	12	28
8HK 187 228-291	50	12	29
8HK 187 228-301	25	12	30
8HK 187 228-321	25	12	32 R
8HK 187 228-351	25	12	35
8HK 187 228-361	25	12	36
8HK 187 228-381	25	12	38
8HK 187 228-401	25	12	40 R
8HK 187 228-421	25	12	42
8HK 187 228-441	25	12	44
8HK 187 228-461	25	12	46
8HK 187 228-471	25	12	47
8HK 187 228-501	10	12	50
8HK 187 228-551	10	12	55

Pipe clamps

With rubber profile. Strip made of galvanized steel.
Additional supporting discs in the area of the fastening holes made of galvanized steel.



Part no.	Pk.	Tape width mm	Inside diameter mm
8HS 749 192-002	100	12	6
8HS 749 192-012	100	12	8
8HS 749 192-022	100	12	10
8HS 749 192-032	100	12	12
8HS 749 192-042	100	12	13
8HS 749 192-052	100	12	14
8HS 749 192-062	100	12	16
8HS 749 192-072	100	12	18
8HS 749 192-082	100	12	19
8HS 749 192-092	100	12	20
8HS 749 193-002	100	15	6
8HS 749 193-012	100	15	8
8HS 749 193-022	100	15	10
8HS 749 193-032	100	15	12
8HS 749 193-042	100	15	15
8HS 749 193-052	100	15	18
8HS 749 193-062	100	15	20
8HS 749 193-072	100	15	23
8HS 749 193-082	100	15	25
8HS 749 193-092	100	15	26
8HS 749 194-002	50	20	18
8HS 749 194-012	50	20	20
8HS 749 194-022	50	20	25

Chassis cable clips

Hardened spring steel, galvanized.



Part no.	Pk.	
8HS 071 414-001	100	For chassis frame thickness 3 - 6 mm. Length clamping arms: 21 mm.
		Chassis cable clip, 43 mm long Self-service box
8HS 071 415-001	100	For chassis frame thickness 3 - 7 mm. Length of clamping arms: 31.5 mm.
		Chassis cable clip, 52.5 mm long Self-service box

Universal cigarette lighter

Compact flush-fit version for at least 10.000 lights.
With green dowel sleeve.
Type of connection: blade connectors 6.3 mm.
Mounting aperture: 28 mm dia. For dashboards up to 2.5 mm.



Part no.	Pk.	
8EZ 008 021-001	1	Cigarette lighter, illuminated, (12V power connection/ loading capacity when used as socket: max. 10A)
8EZ 008 021-011	1	Cigarette lighter, illuminated, (24V power connection/ loading capacity when used as socket: max. 5A)

Compact flush-fit version for at least 10.000 lights.
With annular spring mount.
Type of connection: blade connectors 6.3 mm.
Mounting aperture: 23.5 mm dia. For dashboards up to 2.5 mm.



Part no.	Pk.	
8EZ 008 022-001	1	Cigarette lighter, not illuminated, (12V power connection/ loading capacity as socket: max. 10A)
8EZ 008 022-011	1	Cigarette lighter, not illuminated, (24V power connection/ loading capacity as socket: max. 5A)

Universal cigarette lighter

SAE Standard.

Compact flush-fit version for at least 10.000 lights.
Type of connection: blade connector 6.3 mm.
With dowel sleeve.
Mounting aperture: 28.0 mm dia. For dashboards up to 2.0 mm.



Part no.	Pk.	
8EZ 008 021-021	1	Cigarette lighter, illuminated, with 12V bulb
8EZ 008 021-031	1	with 24V bulb

SAE Standard.

Compact flush-fit version for at least 10.000 lights.
Type of connection: blade connector 6.3 mm.
Fastened by means of hexagon nut.
Mounting aperture: 28.0 mm dia. For dashboards up to 2.0 mm.



Part no.	Pk.	
8EZ 008 021-041	1	Cigarette lighter, not illuminated, 12V
8EZ 008 021-051	1	24V

Power sockets

Max. load: 15A at 24V.

Compact flush-fit version for operation of auxiliary equipment in cars, trucks, campers and boats.
Type of connection: blade connectors 6.3 mm.
Mounting aperture: 28 mm dia. For dashboards up to 2.5 mm.



Part no.	Pk.	
8JB 008 023-011	1	Power socket with green dowel sleeve, cover and 12V bulb
8GA 007 997-011	10	Spare parts: Bulbs with plastic caps, 12V1.2W
8GA 007 997-021	10	
8JB 008 023-001	1	Power socket with green threaded sleeve and cover, without illumination, 24V

SAE Standard.

Max. load:
20A at a cable cross-section of 2.5 sq. mm,
15A at a cable cross-section of 1.5 sq. mm.
Type of connection: blade terminal contact 6.3 mm.
Mounting aperture: 28.0 mm dia.
Inside: 21.0 mm dia.



Part no.	Pk.	
8JB 008 023-021	1	Power socket with red dowel sleeve and 12V bulb
8JB 008 023-031	1	with red dowel sleeve and 24V bulb
8JB 008 023-041	1	with green dowel sleeve and 24V bulb
8JB 008 023-051	1	with hexagon nut, 12V/24V, without illumination
8JB 008 023-067	160	with black threaded sleeve, 12V/24V, without illumination

Standard sockets (ISO 4165)

Compact light alloy flush-fit socket.

Max. load: 8A at 24V.

Mounting aperture: 18.5 mm dia.

For dashboards up to 7 mm.

Compatible with 8HG 006 294-101 push-on pipe with stopper.



Part no.	Pk.	
8JB 001 946-031	10	Socket without cover, earthing via housing, with 1 screw contact,
8JB 001 946-041	10	without cover, earthing via housing, with additional earth plug, and 2 blade terminal contacts 6.3 mm
8JB 001 946-021 8JB 001 946-022	10 1	with cover, earthing via housing, with 1 screw contact Pro-fit pack
8JB 001 946-011	10	with cover, earthing via housing, with 1 blade terminal contact 6.3 mm
8JB 001 946-051	10	with cover, earthing via housing, with additional earth plug, and 2 blade terminal contacts 6.3 mm

Standard sockets (ISO 4165)

Compact plastic flush-fit socket.

Max. load: 16A at 24V.

T-plug connection to prevent polarity mix-ups, recommended plug sleeve housing 8JD 008 151-021 (Pk. 10), recommended blade terminal sleeves 8KW 701 235-033 (Pk. 100). Mounting aperture: 18.5 mm dia. For dashboards up to 7 mm.



Part no.	Pk.	
8JB 001 946-072	10	Socket without cover, with 2 blade terminal contacts 6.3 mm
8JB 001 946-082	10	with snap cover (without catch feature) and 2 blade terminal contacts 6.3 mm
8JB 001 946-092	10	with arresting cover, (the cover remains in place when opened, the catch is released for insertion so that the cover automatically closes when the plug is removed). 2 blade terminal contacts 6.3 mm
8JB 001 946-101	1	Type of protection: IP67 / IP69 K. Temperature stability: -40 °C to +105 °C. The socket is excellently suited for use on boats as well as near engines, thanks to its high temperature resistance properties Socket with loss-protection for cover, 300 mm cable 2.5 sq. mm and 2 blade terminal contacts 6.3 mm

Compact plastic flush-fit socket.

Max. load: 8A at 24V.

Mounting aperture: 18.5 mm dia.
For dashboards up to 7 mm.



Part no.	Pk.	
8JB 004 777-001	5	Socket with cover, with two 6.3 mm blade terminal contacts
8JB 004 777-002	5	with two 6.3 mm blade terminal contacts Pro-fit pack
8JB 004 777-011	5	with 2 screw contacts

Standard sockets (ISO 4165)

Compact plastic flush-fit socket.

Max. load: 8A at 24V.

Mounting aperture: 23 mm dia. with recess for arresting arm.



Part no.	Pk.	
8JB 002 286-021	10	Socket without cover, with 2 blade terminal contacts 6.3 mm, for dashboards up to 3 mm
8JB 002 286-031	10	with cover and 2 blade terminal contacts 6.3 mm, for dashboards up to 2 mm

Plastic surface-fit socket.

Max. load: 16A at 24V.



Part no.	Pk.	
8JB 004 123-001	5	Socket without cover, with 2 screw contacts
8JB 004 123-002	1	Pro-fit pack
8JB 004 123-012	5	waterproof
8JB 004 123-032	5	with cover and 2 blade terminal contacts 6.3 mm
8JB 004 123-031	1	Pro-fit pack

Plastic surface-fit power socket.

Max. load:

20A at 24V (cable cross-section of 2.5 sq. mm),

15A at 24V (cable cross-section of 1.5 sq. mm).

Inside: 21.0 mm dia.



Part no.	Pk.	
8JB 004 123-042	5	Socket without cover, with 2 blade terminal contacts 6.3 mm
8JB 004 123-051	1	Triple socket without cover

Universal plugs (ISO 4165 and cigarette lighter)

Universal fused plug with positive strain relief.
Max load: 8A at 24V.

With integrated, replaceable 8A fuse and pulling tool.
 2 screw contacts to 2.5 sq. mm.



Part no.	Pk.	
8JA 007 589-001	10	Plug
8JA 007 589-002	1	Pro-fit pack
<hr/>		
8JA 007 589-032	10	with LED and screwed strain relief
8JA 007 589-031	1	Pro-fit pack

Universal plug with screwed strain relief.

Without fuse, with pulling tool.
 2 screw contacts to 2.5 sq. mm.



Part no.	Pk.	
8JA 007 589-011	10	Plug max. load: 8A at 24V
8JA 007 589-021	10	max. load: 16A at 24V

Max. load: 8A at 24V.

Without fuse.
 Type of connection: 2 screw contacts up to 2.5 sq. mm.



Part no.	Pk.	
8JA 002 252-103	12	Plug with opening for cable entry 5 x 3 mm
8JA 002 252-101	1	Pro-fit pack
<hr/>		
8JA 001 921-102	12	with opening for cable entry 8 mm dia.
<hr/>		
8JA 007 158-003	12	with positive strain relief and opening for cable entry 5 x 3 mm Pro-fit-pack
<hr/>		
8JA 004 667-001	10	with opening for cable entry 8 mm dia.

Pivoting universal plug with screwed strain relief.

Max load: 8A at 24V.

With integrated, replaceable 8A fuse.
 Swivels infinitely 180 degrees with sufficient space for electronic circuitry
 (Dimensions for board: 28.5 x 26.5 x 1.5 mm).



Part no.	Pk.	
8JA 007 589-042	8	Plug with two screw contacts up to 2.5 sq. mm
8JA 007 589-041	1	Pro-fit pack

Pivoting universal safety plug with screwed strain relief and switch.

Max load: 8A at 24V.

With printed-on switch rocker 0-I and integrated, replaceable 8A fuse.
 Swivels infinitely 180 degrees.



Part no.	Pk.	
8JA 007 589-152	8	Plug with two screw contacts up to 2.5 sq. mm



Universal plugs (ISO 4165 and cigarette lighter)

Universal right angle plug with screwed strain relief.
Max. load: 7.5A at 24V.

With integrated, replaceable 7.5 ATO blade-type fuse and functional control using LED.
 Cable dia. 8 mm.

Part no.	Pk.	
8JA 007 589-052	8	Plug with two screw contacts up to 1.5 sq. mm



Standard plug (ISO 4165)

Without strain relief.

Type of connection: 2 screw contacts CuZn up to 2.5 sq. mm.

Part no.	Pk.	
8JA 002 262-001	10	Plug Max. load: 18A at 24V, with opening for cable entry 9.2 mm dia.
8JA 002 262-003	1	Pro-fit pack
8JA 001 915-001	10	with screwed strain relief
8JA 001 915-022	10	Plug Max. load: 15A at 24V, without strain relief, with opening for cable entry 7.5 mm dia.
8JA 001 915-032	10	Plug Max. load: 8A at 24V, with solder contacts and positive strain relief, with opening for cable entry 6.5 mm dia.



Extension cables and adapters (ISO 4165 and cigarette lighter)

Coupling

Max. load: 16A at 24V.

For setting up individual extensions for a power supply to electrical devices and lamps.
 2 blade terminals 6.3 mm.

Part no.	Pk.	
8JA 007 589-062	20	Coupling
8JA 007 589-061	1	Pro-fit pack



Extension cable

Max. load: 8A at 24V.

For adapting from standard (ISO 4165) or cigarette lighter sockets to cigarette lighter plugs.
 Length: 4.0 m. Cable: 2 x 0.75 sq. mm.
 With integrated 8A fuse.

Part no.	Pk.	
8KA 007 589-081	1	Connecting cable with universal fused plug

Extension cables and adapters (ISO 4165 and cigarette lighter)



Helical extension cable Max. load: 8A at 24V.

For adapting from standard (ISO 4165) or cigarette lighter sockets to cigarette lighter plugs.
Length: 0.6 - 3.0 m. Cable: 2 x 0.75 sq. mm.
With integrated 8A fuse.

Part no.	Pk.	
8KA 007 589-091	1	Helical extension cable with universal fused plug
8KA 007 589-092	12	Pro-fit pack



Adapter cable Max. load: 8A at 24V.

For adapting from standard sockets (ISO 4165) to cigarette lighter plugs.
Length: 0.25 m. Cable: 2 x 0.75 sq. mm.
Clutch (inside dia. 21 mm).

Part no.	Pk.	
8KA 007 589-101	1	Adapter cable
8KA 007 589-102	12	Pro-fit pack



Adapter Max. load: 16A at 12V/24V.

For adapting from standard sockets (ISO 4165) to cigarette lighter plugs.
Clutch (inside dia. 21 mm).

Part no.	Pk.	
8KA 007 589-131	1	Adapter



Adapter cable Max. load: 8A at 24V.

For adapting from standard (ISO 4165) or cigarette lighter sockets to two standard sockets (ISO 4165).
Length: 0.12 m. Cable: 2 x 0.75 sq. mm.
With integrated 8A fuse.

Part no.	Pk.	
8JB 008 032-001	1	Adapter cable



Twin adapter Max. load: 2 x 8A at 24V.

For adapting from standard (ISO 4165) or cigarette lighter sockets to two cigarette lighter plugs.
Length: 0.25 m. Cable: 2 x 0.75 sq. mm.
With integrated 8A fuse and two clutches (inside dia. 21 mm).

Part no.	Pk.	
8JA 007 589-111	1	Twin adapter with universal fused plug
8JA 007 589-112	12	Pro-fit pack



Power-twin adapter Max. load: 16A at 12V/24V.

For adapting from standard (ISO 4165) or cigarette lighter sockets to two cigarette lighter plugs.
Length: 65 mm. Cable: 2 x 1.5 sq. mm.

Part no.	Pk.	
8JA 007 589-141	1	Twin adapter with universal plug and 2 clutches (inside dia. 21 mm)

Extension cables and adapters (ISO 4165 and cigarette lighter)

Battery monitor

Max. load: 8A at 12V.

Protects the battery from exhaustive discharge by switching off consumers e.g. cool boxes, seat heating, fans and other mobile 12V devices in good time in the event of undervoltage.

Automatic switch-on when operating voltage is restored.

Length: 1.0 m. Cable: 2 x 0.75 sq. mm.

For adapting from standard (ISO 4165) or cigarette lighter sockets to cigarette lighter plugs.

LED function control and short-circuit protection.

Switch-on voltage: 12.3V. Switch-off voltage: 11.0V.



Part no.	Pk.	
8ES 007 589-121	1	Battery monitor

2-pole sockets and plugs (DIN 14 690)

Socket, light metal with screw-on cap, form A.

Max. load: 16A at 42V.

Gasket in screw-on cover.

2 screw contacts.

Temperature stability: -40 °C to +100 °C.



Part no.	Pk.	
8JB 002 281-001	1	2-pole socket
8JB 002 281-002	12	Pro-fit pack
Accessories:		
9GD 735 641-032	1	Rubber base for cables with dia. of 6 - 8 mm

Coupling socket with light alloy screw-on cover, Shape B.

Max. load: 16A at 42V.

Gasket in screw-on cover.

With protective cable grommet for cable with dia. of 6 - 10 mm and screw-type strain relief. 2 screw contacts.



Part no.	Pk.	
8JB 002 281-011	1	Coupling socket

Plug, light metal, form C.

Max. load: 16A at 42V.

With union nut and PG-screw connection for cable with dia. of 6 - 10 mm.

2 screw contacts.

Temperature stability: -40 °C to +100 °C.



Part no.	Pk.	
8JA 001 925-001	1	2-pole plug
Spare parts:		
9MK 748 467-001	1	Contact insert

Sockets and plugs for special applications

Plug, metal, with black rubber cover.

Max. load: 300A at 24V.

With 2 crimp contacts for cable dia. 50 sq. mm.



Part no.	Pk.	
8JB 010 806-001	1	2-pole plug

Sockets and plugs for special applications



Spirally-coiled cable

Max. load: 300A at 24V.

With 2 plugs. (VG 96 917).

Lead dia. 2 x 35 sq. mm.

Stretched length: 4.0 m.

Temperature stability: -40 °C to +85 °C.

Part no.	Pk.	
8KA 010 807-001	1	2-pole spirally-coiled cable



2-pole socket, light alloy with green cover

(ISO 4165 / VGV 96 921).

Max. load: 8A at 24V.

Compact flush-fit version.

Cover colour: RAL 6031. Mounting aperture: 18.5 mm dia.

For dashboards up to 7 mm.

1 screw contact. Earth on housing.

Part no.	Pk.	
8JB 001 946-001	10	2-pole socket



2-pole socket (VG 96 917 Shape A).

Max. load: 300A at 24V.

Aluminium body,

Seal in the screw-on cover,

additional sealing ring between thread and screw-type cover.

2 crimped/solder connections CuZn, silver plated.

Type of protection IPX4 when connected.

Temperature stability: -40 °C to +85 °C.

Part no.	Pk.	
8JB 001 935-031	1	2-pole socket, with green screw-on cap, for conductors up to 50 sq. mm
8JB 001 935-051	1	for conductors up to 35 sq. mm
Spare parts:		
9MK 748 466-011	1	Crimp contacts, 50 sq. mm
9MK 748 466-021	1	35 sq. mm

2-pole socket (VG 96 917 Shape A).

Max. load: 300A at 24V.

2 crimped/solder connections CuZn, silver plated.

Type of protection IPX4.

Plug-in with closed cap.



Part no.	Pk.	
8JB 001 935-041	1	2-pole socket, with black plastic body and rubber cap, for conductors up to 35 sq. mm
Spare parts:		
9MK 748 466-021	1	Crimp contacts, 35 sq. mm



8JB 001 935-061	1	2-pole socket, with amber plastic body and rubber cap, for conductors up to 50 sq. mm
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Sockets and plugs for special applications

2-pole plug (VG 96 917 Shape E).

Max. load: 300A at 24V.

2 crimp/solder pin contacts for conductors up to 35 sq. mm.
Temperature stability: -40 °C to +85 °C.



Part no.	Pk.	
8JA 001 931-041	1	2-pole plug, with black metal body
8JA 001 931-081	1	with black plastic body
		Spare parts:
		Crimp contact pin,
9MK 748 465-021	1	35 sq. mm

2-pole plug (VG 96 917 Shape E).

Max. load: 300A at 24V.

Black metal body.
2 crimp/solder pin contacts.
Type of protection IP54 in plugged condition.
Temperature stability: -40 °C to +85 °C.



Part no.	Pk.	
8JA 001 931-051	1	2-pole plug, with green screw-on ring, for conductors up to 35 sq. mm
8JA 001 931-071	1	with green screw-on ring, for conductors up to 50 sq. mm
8JA 001 931-061	1	with black screw-on ring, for conductors up to 35 sq. mm
		Spare parts:
		Crimp contact pin,
9MK 748 465-011	1	50 sq. mm
9MK 748 465-021	1	35 sq. mm

3-pole sockets and plugs

For agricultural machines and tractors.

Socket, made of black plastic (DIN 9680).

Max. load:

16A at 24V (lead size 1.5 sq. mm),

25A at 24V (lead size 2.5 sq. mm).

Mounting aperture: 26 mm dia.

4 x 6.3 mm / 1 x 4.8 mm blade terminal contacts.



Part no.	Pk.	
8JB 001 933-011	10	3-pole socket with grommet
8JB 001 933-042	10	with screw cap
		Accessories:
9MK 180 175-001	20	Sockets

3-pole sockets and plugs

For agricultural machines and tractors.

Plug, made of black plastic (DIN 9680).

Max. load:

16A at 24V (lead size 1.5 sq. mm),

25A at 24V (lead size 2.5 sq. mm).

With rubber grommet for cable dia. 8 - 13 mm.

4 x 6.3 mm / 1 x 4.8 mm blade terminal contacts.



Part no.	Pk.	
8JA 002 263-011	10	3-pole plug

Socket, made of black plastic.

Max. load:

16A at 24V (lead size 1.5 sq. mm),

25A at 24V (lead size 2.5 sq. mm).

With rubber gasket in lid.

Base dia. 65 mm (round housing).

3 screw contacts.

Temperature stability: -40 °C to +80 °C.



Part no.	Pk.	
8JB 001 933-031	1	3-pole socket
9GD 735 641-032	10	Accessories: Rubber base for cables with dia. of 6 - 8 mm

Plug, made of black plastic.

Max. load:

16A at 24V (lead size 1.5 sq. mm),

25A at 24V (lead size 2.5 sq. mm).

For cable dia. 6.3 - 8.3 mm. 3 screw contacts.

Temperature stability: -40 °C to +80 °C.



Part no.	Pk.	
8JA 002 263-031	1	3-pole plug, with union nut and rubber grommet
8JA 002 263-001	1	without union nut, with cable protection grommet

4-pole sockets and plugs (DIN 72 575)

Socket, made of black plastic.

Max. load:

16A at 24V (lead size 1.5 sq. mm),

25A at 24V (lead size 2.5 sq. mm).

With rubber gasket in lid.

90 degree cable exit for cable dia. 7.2 - 9.0 mm.

4 screw contacts CuZn. Type of protection: IP5K.

Temperature stability: -40 °C to +80 °C.



Part no.	Pk.	
8JB 001 944-011	1	4-pole socket



4-pole sockets and plugs (DIN 72 575)

Plug, made of black plastic.

Max. load:

16A at 24V (lead size 1.5 sq. mm),

25A at 24V (lead size 2.5 sq. mm).

With strain relief, for cable dia. 5 - 9 mm.

4 screw contacts. Type of protection: IP5K.

Temperature stability: -40 °C to +80 °C.

Part no.	Pk.	
8JA 001 920-011	1	4-pole plug



5-pole sockets and plugs (ISO 1724)

Socket with lid, solid metal.

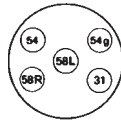
Max. load:

16A at 12V (lead size 1.5 sq. mm),

25A at 12V (lead size 2.5 sq. mm).

Base dia. 72 mm.

5 screw contacts.



Part no.	Pk.	
8JB 001 940-001	10	5-pole socket



Plug, solid metal.

Max. load:

16A at 12V (lead size 1.5 sq. mm),

25A at 12V (lead size 2.5 sq. mm).

With strain relief and grommet for cable up to 8 mm dia.

5 screw contacts.

Part no.	Pk.	
8JA 001 916-001	10	5-pole plug

7-pole sockets and plugs, 12V "N" (ISO 1724)

Plug: contact 7/58L with contact bush.

Socket: middle contact 7/58L with contact pin.

Max. load:

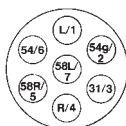
16A at 12V (lead size 1.5 sq. mm),

25A at 12V (lead size 2.5 sq. mm).

Removable contact set.

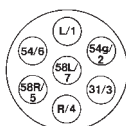
Temperature stability: -25 °C to +70 °C.

Socket with lid, solid metal.



Part no.	Pk.	
8JB 001 941-002	25	7-pole socket, with 7 screw contacts
8JB 001 941-001	1	Pro-fit pack
8JB 001 941-041	20	7-pole socket, with 7 blade terminal contacts 6.3 mm
9GD 735 641-001	10	Accessories: Rubber base with 180 degree outlet for cable dia. 8 - 11 mm, for -002/-001/-062
9GD 735 641-051	10	for -041

Socket with lid, made of black plastic.



Part no.	Pk.	
8JB 001 943-003	25	7-pole socket, with 7 screw contacts
8JB 001 943-001	1	Pro-fit pack
8JB 006 462-001	20	with 7 blade terminal contacts 6.3 mm
9GD 735 641-042	10	Accessories: Rubber base with 90 degree outlet for cable dia. 8 - 11 mm, for 8JB 001 943-003/-001
9GD 735 641-051	10	Rubber base with 180 degree outlet for cable dia. 8 - 11 mm, for 8JB 006 462-001

7-pole sockets and plugs, 12V "N" (ISO 1724)

Socket with lid, made of black plastic.



Part no.	Pk.	
8JB 001 943-011	10	7-pole socket, with disconnecting contact for rear fog light on motor vehicle. 7 screw contacts, with additional screw contact
9GD 735 641-042	10	Accessories: Rubber base with 90 degree outlet for cable dia. 8 - 11 mm
9GD 735 641-001	10	Rubber base with 180 degree outlet for cable dia. 8 - 11 mm

Plug, solid metal.

With strain relief and grommet.



Part no.	Pk.	
8JA 001 918-002	25	7-pole plug, with 7 screw contacts
8JA 001 918-011	20	with 7 blade terminal contacts 6.3 mm
9GD 179 708-042	10	Accessories: Grommet for cable dia. 6.5 - 8.5 mm
9GD 179 708-002	10	for cable dia. 8.5 - 10.5 mm
9GD 179 708-022	10	for cable dia. 10.5 - 13.5 mm
9GD 179 708-012	10	for cable dia. 12.5 - 16.5 mm
9GD 179 708-032	10	for leads 2 x Ø 5,5 - 6,5 mm
8JA 001 918-021	25	7-pole plug, with 7 blade terminal contacts 6.3 mm, solid metal

Plug, made of black plastic.

With strain relief and grommet.



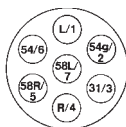
Part no.	Pk.	
8JA 001 930-003	25	7-pole plug, with 7 screw contacts
8JA 001 930-001	1	Pro-fit pack
8JA 001 930-041	25	with 7 blade terminal contacts 6.3 mm
9GD 179 708-042	10	Accessories: Grommet for cable dia. 6.5 - 8.5 mm
9GD 179 708-002	10	for cable dia. 8.5 - 10.5 mm
9GD 179 708-022	10	for cable dia. 10.5 - 13.5 mm
9GD 179 708-012	10	for cable dia. 12.5 - 16.5 mm
9GD 179 708-032	10	for leads 2 x Ø 5,5 - 6,5 mm

7-pole sockets and plugs, 12V "N" (ISO 1724)

Coupling socket with lid, made of black plastic.

With strain relief, suspension device and rubber grommet for 7-core extension cable.

7 screw contacts.



Part no.	Pk.	
8JB 001 939-001	10	7-pole socket
		Accessories:
		Grommet
9GD 179 708-042	10	for cable dia. 6.5 mm - 8.5 mm
9GD 179 708-002	10	for cable dia. 8.5 mm - 10.5 mm
9GD 179 708-022	10	for cable dia. 10.5 mm - 13.5 mm
9GD 179 708-012	10	for cable dia. 12.5 mm - 16.5 mm
9GD 179 708-032	10	for cable dia. 2x 5.5 mm - 6.5 mm

Plug, made of black plastic.

Folding version with strain relief, contact set and union nut included separately.

7 screw contacts



Part no.	Pk.	
8JA 005 476-001	100	7-pole plug
		Accessories:
		Grommet
9GD 179 708-042	10	for cable dia. 6.5 - 8.5 mm
9GD 179 708-002	10	for cable dia. 8.5 - 10.5 mm
9GD 179 708-022	10	for cable dia. 10.5 - 13.5 mm
9GD 179 708-012	10	for cable dia. 12.5 - 16.5 mm
9GD 179 708-032	10	for leads 2 x Ø 5,5 - 6,5 mm

Pin assignments for standard plug connectors in conformance with ISO 1724, 12V, 7-pin N

Contact no.	Function	Cable cross-section	Colour of insulation
1 / L	Flasher light, left	1.5 sq. mm	yellow
2 / 54g	Rear fog light	1.5 sq. mm	blue
3 / 31	Earth	2.5 sq. mm	white
4 / R	Flasher light, right	1.5 sq. mm	green
5 / 58R	Tail-, end-outline-marker-, position and numberplate light, right *)	1.5 sq. mm	brown
6 / 54	Brake light	1.5 sq. mm	red
7 / 58L	Tail-, end-outline-marker-, position and numberplate light, left *)	1.5 sq. mm	black

*) The number plate illumination must be connected so that none of the bulbs in this device are connected to contacts 5 or 7.

7-pole sockets and plugs, 12V "S" (ISO 3732)

Socket: middle contact 7/58L with contact bush.

Plug: contact 7/58L with contact pin.

Max. load:

16A at 12V (lead size 1.5 sq. mm),

25A at 12V (lead size 2.5 sq. mm).

Temperature stability: -25 °C to +70 °C.

Socket, made of black plastic with light grey lid.

Removable contact set.

7 screw contacts.



Part no.	Pk.	
8JB 001 943-041	25	7-pole socket
9GD 735 641-001	10	Accessories: Rubber grommet for cable dia. 8 - 11 mm
9GD 735 641-042	10	with side outlet for cable dia. 8 - 11 mm

Plug, made of light grey plastic.

With strain relief and grommet.

7 screw contacts.



Part no.	Pk.	
8JA 001 930-031	25	7-pole plug

Coupling socket, made of black plastic with light grey lid.

With strain relief, suspension device and rubber grommet for 7-core extension cable.

7 screw contacts.



Part no.	Pk.	
8JB 006 464-001	10	7-pole socket

Pin assignments for auxiliary plug connectors in conformance with ISO 3732, 12V, 7-pin S

Contact no.	Function	Cable cross-section	Colour of insulation
1	Reversing light *)	1.5 sq. mm	yellow
2	Reserved for future applications	no specified	no conductor or blue
3	Earth for circuit for contact no. 4	2.5 sq. mm	white
4	Power supply (continuous positive)	2.5 sq. mm	green
5	Reserved for future applications	1.5 sq. mm	brown
6	Power supply over ignition switch	2.5 sq. mm	red
7	Earth for circuit for contact no. 6	2.5 sq. mm	black

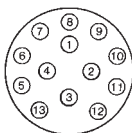
*) The earth for this contact is usually contact No. 3 in the 12V, 7 pin N plug connector in conformance with ISO 1724.

13-pole sockets and plugs, 12V (ISO 11 446)

Max. load:
 16A at 12V (lead size 1.5 sq. mm),
 25A at 12V (lead size 2.5 sq. mm).
 Temperature stability: -40 °C to +85 °C.

Socket with lid, made of black plastic.

Removable contact set.
 Rubber base and rubber gasket in lid.
 13 screw contacts.



Part no.	Pk.	
8JB 005 949-001	1	13-pole socket
8JB 005 949-011	1	with contact for rear fog lamp can be disconnected on motor vehicles and additional screw contact
8JB 005 949-012	12	Pro-fit pack
8JB 005 949-041	1	with microswitch change-over left

Plug, made of black plastic.

13 screw contacts.



Part no.	Pk.	
8JA 005 951-001	1	13-pole plug with rubber gasket, union nut and bayonet fastening
8JA 005 951-027	16	
8JA 005 951-003	16	Pro-fit pack
8JA 005 951-041	10	Click-version with parking socket

Parking socket with blue lid, made of black plastic.

Takes the 13-pole plug when trailer is disconnected from the towing vehicle.



Part no.	Pk.	
8HG 005 953-001	1	Parking socket

WeST (world plug system) 7+6-pole, in conformance with NEN 6120

Max. load: 20A at 12V.

Plug system for the electrical connection of traction vehicles and trailers.

Can be used for both 7 and 13-pole applications.

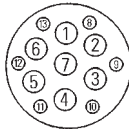
Compatible with standard ISO 1724.

With microswitch for switching the rear fog light,

the parking aid and/or the trailer detection.

Black plastic version. With rubber seal in the cover.

13 screw terminals. Temperature stability: -25 °C to +75 °C.



Part no.	Pk.	
8JB 005 949-031	1	7+6-pole socket

7+6-pole plug not for use with MULTICON socket. Compatible with WeSt plugs

Max. load: 20A at 12V.

Made of black plastic.

With rubber seal and cap nut for cable 11.5 mm - 14.0 mm dia.

13 screw contacts.



Part no.	Pk.	
8JA 005 951-061	1	7+6-pole plug

Pin assignments for plug connectors in conformance with ISO 11 446, 12V, 13-pin

Contact no.	Function	Cable cross-section	Colour of insulation
1	Flasher light, left	1.5 sq. mm	yellow
2	Rear fog light	1.5 sq. mm	blue
3 *)	Earth for contact no. 1 - 8	2.5 sq. mm	white
4	Flasher light, right	1.5 sq. mm	green
5	Tail-, end-outline-marker-, position and numberplate light, right ***)	1.5 sq. mm	brown
6	Brake light	1.5 sq. mm	red
7	Tail-, end-outline-marker-, position and numberplate light, left ***)	1.5 sq. mm	black
8	Reversing light	1.5 sq. mm	pink
9	Power supply (continuous positive)	2.5 sq. mm	orange
10	Power supply over ignition switch	2.5 sq. mm	grey
11 *)	Earth for contact no. 10	2.5 sq. mm	white/black
12	Reserved for future applications	no specified	no specified
13 *)	Earth for contact no. 6	2.5 sq. mm	white/red

*) The 3 earth lead must not be connected in the trailer in such a manner that they are electrically conductive.

***) For contact laying in accordance with ISO 11446 the cable cross-section is 2.5 sq. mm.

For assignment in accordance with NEN 6120 the cable cross section is 4.0 sq. mm, in this case care must be taken that a suitable cable end sleeve is used for the connection.

Pin assignments for plug connectors in conformance with NEN 6120, 12V, 7+6-pin

Contact no.	Function	Cable cross-section	Colour of insulation
1	Flasher light, left	1.5 sq. mm	yellow
2	Rear fog light	1.5 sq. mm	blue
3 *)	Earth for contact no. 1 - 8	2.5 sq. mm	white
4	Flasher light, right	1.5 sq. mm	green
5 **)	Tail-, end-outline-marker-, position and numberplate light, right ***)	1.5 sq. mm	brown
6	Brake light	1.5 sq. mm	red
7 **)	Tail-, end-outline-marker-, position and numberplate light, left ***)	1.5 sq. mm	black
8	Reversing light	1.5 sq. mm	pink
9	Power supply (continuous positive)	2.5 sq. mm	orange
10 ***)	Power supply over ignition switch	4.0 sq. mm	grey
11	Reserved for future applications	2.5 sq. mm	no specified
12 *) ***)	Earth for contact no. 10	4.0 sq. mm	white/black
13 *)	Earth for contact no. 9	2.5 sq. mm	white/red

*) The 3 earth lead must not be connected in the trailer in such a manner that they are electrically conductive.

**) The number plate illumination must be connected so that non of the bulbs in this device is connected to contacts 5 or 7.

***) For contact laying in accordance with ISO 11446 the cable cross-section is 2.5 sq. mm.

For assignment in accordance with NEN 6120 the cable cross-section is 4.0 sq. mm, in this case care must be taken that a suitable cable end sleeve is used for the connection.

ABS/EBS 5/7-pole sockets and plugs, 12V (ISO 7638-2)

Max. load:

max. 15A at 12V (cable dia. 1.5 mm²),

max. 25A at 12V (cable dia. 2.5 mm²),

max. 30A at 12V (cable dia. 4 - 6 mm²).

Socket with lid, made of plastic.

Made of fibre-glass reinforced polyamide.

PG gland for cable exit.

With 180 ° bayonet finish.

Mounting aperture 54 mm dia, for cable dia. of 9 - 16 mm.

Type of protection IP54 in plugged condition.



Part no.	Pk.	
8JB 011 895-001	1	7-pole socket, 12V, with screw-type connections

Plug made of plastic.

Made of fibre-glass reinforced polyamide.

Mechanical strain relief.

With 180 ° bayonet finish.

Secure arrest with non-rusting metal bail.

For cable dia. of 9 - 16 mm.

Type of protection IP54 in plugged condition.



Part no.	Pk.	
8JA 011 896-001	1	Plug, 7-pole, 12V, with screw-type connections

Adapters, 12V

Super short adapter

Max. load: 16A at 12V.

Adapter for connecting a 13-pole vehicle socket (DIN ISO 11 446) with a 7-pole trailer plug (DIN ISO 1724).

Round cover in conformance with ISO 11 446

protects against soiling and damage.

Plug-in aid for one-hand operation. Splash-proof in conformance with IP54.

Nickel-plated contacts (corrosion protection and uniform, low plug-in force).

Minimum weight relieves load on 13 pin socket (only 99 g).

Length: 57.0 mm.



Part no.	Pk.	
8JA 008 969-001	1	Super short adapter

Adapters, 12V



Short adapter

Max. load: 16A at 12V.

Adapter for connecting a 13-pole vehicle socket (DIN ISO 11 446) with a 7-pole trailer plug (DIN ISO 1724). Length: 120 mm

Part no.	Pk.	
8JA 005 952-011	1	Short adapter
8JA 005 952-013	12	Pro-fit pack



Adapter

from a 13-pole socket (ISO 11 446) on the towing vehicle to a 13-pole West plug or 7-pole plug (ISO 1724) on the trailer cable. Length: 106 mm.

Part no.	Pk.	
8JA 005 952-001	1	Short adapter



UK-Short adapter

for connecting a 13-pole vehicle socket (ISO 11 446) with a 2x 7-pole trailer plug (ISO 1724 and ISO 3732). Length: 89 mm.

Part no.	Pk.	
8JA 179 368-001	1	UK-Short adapter, 12V



Short adapter

from a 13-pole socket (ISO 11 446) on the towing vehicle to a 13-pole West plug or 7-pole plug (ISO 1724) on the trailer cable. Length: 106 mm.

Part no.	Pk.	
8JA 005 952-091	1	Short adapter



Super short adapter

for connecting a 7-pole vehicle socket (DIN ISO 1724) with a 13-pole trailer plug (DIN ISO 11 446). Length: 57 mm.

Part no.	Pk.	
8JA 008 969-011	1	Super short adapter



Super short adapter

for connecting a 7-pole vehicle socket (DIN ISO 1724) with a 13-pole trailer plug (DIN ISO 11 446). Length: 57 mm.

Part no.	Pk.	
8JA 008 981-001	1	Short adapter



7-pole extension cable, 12V, "N" (ISO 1724 and 6722)

Length: 3 m. Sheathing: PVC.
Lead size: 6 x 1.0 sq. mm and 1 x 1.5 sq. mm.
With 2 plastic plugs.

Part no.	Pk.	
8KA 002 185-061	10	Extension cable



Plug-in tester, 12V

For testing 7-pole 12V sockets (ISO 1724).
LED display.

Part no.	Pk.	
8PD 004 508-001	1	Plug-in tester, 7-pole
8PD 004 509-001	1	with 5 m lead, for function testing from driver's seat, 7-pole, 12V



For testing 13-pole 12V sockets (ISO 11 446).
LED display.

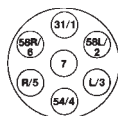
Part no.	Pk.	
8PD 007 216-001	1	Plug-in tester, 13-pole

Plug and socket, 7-pin, 24V, "N" (ISO 1185)

Socket: contact 31 with contact pin.
Plug: contact 31 with contact bush.
Max. load:
15A at 24V (lead size min. 1.5 sq. mm),
20A at 24V (lead size max. 2.5 sq. mm).
Temperature resistance: -25 °C - +75 °C.

Socket, solid metal with lid.

With rubber gasket in lid and cable protection
grommet for cables with diameter 9.5 - 12.5 mm.



Part no.	Pk.	
8JB 003 833-001	10	7-pole socket, with 7 screw contacts
8JB 003 833-011	10	with 16 blade terminal contacts 6.3 mm (5 double / 2 triple)
8JB 003 833-031	10	with 7 blade terminal contacts 6.3 mm

Plug and socket, 7-pin, 24V, "N" (ISO 1185)

Socket, made of plastic, with lid.

With rubber gasket in lid and cable protection grommet for cables with diameter 9.5 - 12.5 mm.



Part no.	Pk.	
8JB 008 085-001	10	7-pole socket, with 7 screw contacts
8JB 008 085-041	10	with 16 blade terminal contacts 6.3 mm (5 double / 2 triple)
8JB 008 085-021	10	with 7 blade terminal contacts 6.3 mm
Accessories:		
9GT 735 641-012	10	Protection grommet for cables with diameter of 9.5 - 12.5 mm

Plug, solid metal.

With PG-screw connection and cable protection grommet for cables with diameter of 9.2 - 11.5 mm.



Part no.	Pk.	
8JA 003 831-001	10	7-pole plug, with 7 screw contacts
8JA 003 831-011	10	with 7 blade terminal contacts 6.3 mm

Plug, made of plastic.

With screw-on strain relief and cable protection grommet for cables with diameter of 8.0 - 12.0 mm.



Part no.	Pk.	
8JA 008 084-001	10	7-pole plug, with 7 screw contacts
8JA 008 084-021	10	7-pole socket, with 7 blade terminal contacts 6.3 mm

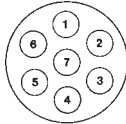
Pin assignments for standard plug connectors in conformance with ISO 1185, 24V, 7-pin N

Contact no.	Function	Cable cross-section	Colour of insulation
1 / 31	Earth	2.5 sq. mm	white
2 / 58L	Tail-, end-outline-marker-, position and numberplate light, left *)	1.5 sq. mm	black
3 / L	Flasher light, left	1.5 sq. mm	yellow
4 / 54	Brake light	1.5 sq. mm	red
5 / R	Flasher light, right	1.5 sq. mm	green
6 / 58R	Tail-, end-outline-marker-, position and numberplate light, right *)	1.5 sq. mm	brown
7 / 54g	Control of trailer brakes	1.5 sq. mm	blue

*) The number plate illumination must be connected so that none of the bulbs in this device is connected to contacts 2 and 6.

15-pole sockets and plugs, 24V (ISO 12 098) (S Type)

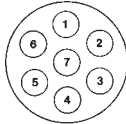
Socket: contact 31 with contact bush. Plug: contact 31 with contact pin.
Max. load:
 15A at 24V (lead size min. 1.5 sq. mm),
 20A at 24V (lead size max. 2.5 sq. mm).
 Temperature stability: -25 °C to +75 °C.



Socket, solid metal with lid.

With rubber gasket in lid and cable protection grommet for cables with diameter 9.5 - 12.5 mm dia.

Part no.	Pk.	
8JB 003 834-001	10	7-pole socket, with 7 screw contacts
8JB 003 834-021	10	with 16 blade terminal contacts 6.3 mm (5 double / 2 triple)
8JB 003 834-031	10	with 7 blade terminal contacts 6.3 mm



Socket, made of plastic, with lid.

With rubber gasket in lid and cable protection grommet for cables with diameter 9.5 - 12.5 mm dia.

Part no.	Pk.	
8JB 008 085-011	10	7-pole socket, with 7 screw contacts
8JB 008 085-051	10	with 16 blade terminal contacts 6.3 mm (5 double / 2 triple)
8JB 008 085-031	10	with 7 blade terminal contacts 6.3 mm
9GT 735 641-012	10	Accessories: Protection grommet for cables with diameter of 9.5 - 12.5 mm



Plug, solid metal.

With PG-screw connection cable protection grommet for cables with diameter 9.5 - 11.5 mm dia.

Part no.	Pk.	
8JA 003 832-001	10	7-pole plug, with 7 screw contacts
8JA 003 832-011	10	with 7 blade terminal contacts 6.3 mm



Plug, made of plastic.

With rubber gasket in lid and cable protection grommet for cables with diameter 9.5 - 12.5 mm dia.

Part no.	Pk.	
8JA 008 084-011	10	7-pole plug, with 7 screw contacts
8JA 008 084-031	10	with 7 blade terminal contacts 6.3 mm

7-pole sockets and plugs, 24V, "S" for special functions (ISO 3731)

Contact no.	Function	Cable cross-section	Colour of insulation
1	Earth	2.5 sq. mm	white
2	Reserved for future applications	1.5 sq. mm	black
3	Reversing light	1.5 sq. mm	yellow
4	Power supply (continuous positive)	2.5 sq. mm	red
5	Indicator feature over earth	1.5 sq. mm	green
6	Power supply over ignition switch	2.5 sq. mm	brown
7	Rear fog light	1.5 sq. mm	blue

15-pole sockets and plugs, 24V (ISO 12 098)

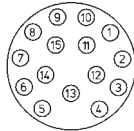
Max. load:
 16A at 24V (lead size 1.5 sq. mm),
 25A at 24V (lead size 2.5 sq. mm).



Socket, made of plastic, with lid.

With rubber gasket and nickel-plated pins.
 Fibre-glass reinforced polyamide housing.
 PG gland for cable exit.
 Mounting aperture 54 mm dia, for cable diameter of 12 - 18 mm.
 Contact pins: 12 each of 1.5 sq. mm + 3 each of 2.5 sq. mm.

Part no.	Pk.	
8JB 007 242-011	1	15-pole socket, with 15 screw contacts
8JB 007 242-021	1	with 15 crimp/soldering contacts



Plug, made of plastic.

With rubber gasket and nickel-plated pins.
 Fibre-glass reinforced polyamide housing, mechanical strain relief.
 Secure arrest with non-rusting metal bail,
 for cable diameter of 12 - 18 mm.
 Contact pins: 12 each of 1.5 sq. mm + 3 each of 2.5 sq. mm.

Part no.	Pk.	
8JA 007 241-021	1	15-pole plug, with 15 screw contacts
8JA 007 241-031	1	with 15 crimp/soldering contacts
Accessories:		
9MK 726 761-811	1	Crimp/soldering contact pin set, CuZn/Ni, (12 each of 1.5 sq. mm + 3 each of 2.5 sq. mm) for socket 8JB 007 242-021
9MK 726 758-821	1	Crimp/soldering contact sleeve set, CuZn/Ni, (12 each of 1.5 sq. mm + 3 each of 2.5 sq. mm) for plug 8JA 007 241-031
8PE 863 807-001	1	Professional crimping tool for crimp contact pins and sleeves with size from 1.5 - 6.0 sq. mm



Parking socket

For 15-pole 24V plugs 8JA 007 241-021/-031.
 Mounting aperture: 54 mm dia.



Part no.	Pk.	
8HG 007 647-001	1	Parking socket

Pin assignments for plug connectors to ISO 12 098, 24V, 15-pin

Contact no.	Function	Cable cross-section	Colour of insulation
1	Flasher light, left	1.5 sq. mm	yellow
2	Flasher light, right	1.5 sq. mm	green
3	Rear fog light	1.5 sq. mm	blue
4	Earth for contact 1-3 and 5-12	2.5 sq. mm	white
5	Tail-, end-outline-marker-, position and numberplate light, left *)	1.5 sq. mm	black
6	Tail-, end-outline-marker-, position and numberplate light, right *)	1.5 sq. mm	brown
7	Brake light	1.5 sq. mm	red
8	Reversing light	1.5 sq. mm	pink
9	Continuous power supply (+24V)	2.5 sq. mm	orange
10	Sensor for break lining wear indicator	1.5 sq. mm	grey
11	Indicator for spring loaded brake	1.5 sq. mm	white/black
12	Axle lift	1.5 sq. mm	white/blue
13	Earth for data leads 14 and 15	2.5 sq. mm	white/red
14	CAN H	1.5 sq. mm	white/green
15	CAN L	1.5 sq. mm	white/brown

*) The number plate illumination must be connected so that none of the bulbs in this device is connected to contacts 5 and 6.

Adapter 15 - 2x 7-pin with ISO

7-pin N ISO 1185				15-pin N ISO 12098	
Earth	white	1	->	4	Earth
Tail light, left	black	2	->	5	Tail light, left
Flasher light, left	yellow	3	->	1	Flasher light, left
Brake light	red	4	->	7	Brake light
Flasher light, right	green	5	->	2	Flasher light, right
Tail light, right	brown	6	->	6	Tail light, right
Brake trailer	blue	7	->	10	Sensor for break lining wear indicator
7-pin S ISO 3731				15-pin N ISO 12098	
Earth	white	1	->	4	Earth
-	black	2	->	11	Display for spring-loaded brake
Reversing light	yellow	3	->	8	Reverse light
Permanent plus	red	4	->	9	Power supply
Control via earth	green	5	->	12	Axle lift
Power supply switched	brown	6	->	9	Power supply
Rear fog light	blue	7	->	3	Rear fog light

Adapter, 24V

Adapter cable

Max. load:
 16A at 24V (lead size 1.5 sq. mm),
 25A at 24V (lead size 2.5 sq. mm).

for connecting a 15-pole vehicle socket (ISO 12 098) with two 7-pole trailer sockets (ISO 1185, ISO 3731).

With one 15-pole plastic plug and two 7-pole metal plugs.

Lead dia.: 8.7 mm. Outside dia. of coil: 50 mm.
 Sheathing: Polyurethan. Stretched length: 4.0 m.



Part no.	Pk.	
8JA 005 952-041	1	Adapter
8JA 005 952-081	1	with 7-pole plastic plugs, absolutely waterproof. Type of protection: IPX9K for cable exit

Short adapter

Max. load:
 16A at 24V (lead size 1.5 sq. mm),
 25A at 24V (lead size 2.5 sq. mm).

for connecting a 15-pole vehicle socket (ISO 12 098) with two 7-pole trailer plugs (ISO 1185, ISO 3731).

Fibre-glass reinforced polyamide housing.

Length: 155 mm. Contacts CuZn/Ni.

Type of protection: IP54 in plugged condition.



Part no.	Pk.	
8JA 005 952-061	1	Short adapter

Plug-in tester, 24V

For testing 7-pole 24V sockets, (ISO 1185).

Length: 81 mm.



Part no.	Pk.	
8PD 004 508-011	1	Plug-in tester, 7-pole

For testing spirally-coiled cable, (ISO 1185).

Length: 89 mm.



Part no.	Pk.	
8PD 004 508-021	1	Plug-in tester

For testing of ABS-sockets, (ISO 1185).

Length: 110 mm.



Part no.	Pk.	
8PD 004 508-031	1	Plug-in tester

ABS/EBS 5/7-pole sockets and plugs, 24V (ISO 7638-1)

Max. load:

max. 16A at 24V (Lead dia.: 1.5 sq. mm),
 max. 25A at 24V (Lead dia.: 2.5 sq. mm),
 max. 30A at 24V (Lead dia.: 4 - 6 sq. mm).

Socket with lid, made of plastic.

With rubber gaskets and nickel-plated contact pins.
 Fibre-glass reinforced polyamide housing.
 PG gland for cable exit.
 Mounting aperture 54 mm dia. For cable dia. 9 - 16 mm.
 Contact pins: 5 each of 1.5 sq. mm + 2 each of 4 sq. mm + 2 each off 6 sq. mm and 2 dummy plugs.
 Type of protection IP54 in plugged condition.



Part no.	Pk.	
8JB 007 645-021	1	Socket, 5/7-pole, 24V, can be connected by crimping or soldering
8JB 007 645-031	1	with screw-type connections

Plug made of plastic.

With rubber gaskets and nickel-plated contact pins.
 Fibre-glass reinforced polyamide housing.
 Mechanical strain relief.
 Secure arrest with non-rusting metal bail.
 For cable dia. 11 - 13 mm.
 Contact sleeves: 5 each of 1.5 sq. mm + 2 each of 4 sq. mm + 2 each of 6 sq. mm and 2 dummy plugs.



Part no.	Pk.	
8JA 007 644-041	1	5/7-pole plug, 24V, can be connected by crimping or soldering
8JA 007 644-051	1	with screw-type connections
9MK 726 762-831	1	Accessories: Crimp contact pin set for cable connecting (5 each of 1.5 sq. mm + 2 each of 4 sq. mm + 2 each of 6 sq. mm, CuZn/Ni, and 2 dummy plugs) for socket 8JB 007 645-021
9MK 726 759-831	1	Crimp contact sleeve set for cable connecting (5 each of 1.5 sq. mm + 2 each of 4 sq. mm + 2 each of 6 sq. mm, CuZn/Ni, and 2 dummy plugs) for plug 8JA 007 644-041
8PE 863 807-001	1	Professional crimping tool for crimp contact pins and sleeves with size from 1.5 - 6.0 sq. mm



Parking socket

Fibre-glass reinforced polyamide housing,
 for ABS/EBS 24V plugs 8JA 007 644-041/-051.
 Mounting aperture 54 mm dia.
 Type of protection IP54 in plugged condition.



Part no.	Pk.	
8HG 007 647-001	1	Parking socket

Pin assignments for standard plug connectors in conformance with ISO 1185, 24V, 7-pin N

Contact no.	Function	Cable cross-section	Colour of insulation
1	Positive, solenoid valve	4 sq. mm	red
2	Positive, electronics	1.5 sq. mm	black
3	Negative, electronics	1.5 sq. mm	yellow
4	Negative, solenoid valve	4 sq. mm	brown
5	Warning device *)	1.5 sq. mm	white
6	CAN H **)	1.5 sq. mm	white/green
7	CAN L **)	1.5 sq. mm	white/brown

*) The warning device is actuated over contact No. 5. The circuit for this contact in the trailer is open under normal operating conditions.

***) To ISO 11992-1 and ISO 11992-2.

Spirally-coiled cable, 12V

7-core spirally-coiled cable, 12V, "N"

Standard version for functions according to German traffic code (StVZO) (ISO 1724 and 6722).

Extremely resistant to high and low temperatures as well as weathering, maximum resistance to oils and chemicals.

Very good fatigue strength against repeated bending.

Excellent return characteristics. Sheathing: Polyurethan.

Lead size: 6 x 1.0 + 1 x 1.5 sq. mm. Stretched length: 4.0 m.



Part no.	Pk.	
8KA 004 797-021	1	Spirally-coiled cable with 2 metal plugs

Spirally-coiled cables, 24V

7-core spirally-coiled cable, 24V, "N".

Standard version for functions according to German traffic code (StVZO) + "S" for special functions (ISO 1185, 3731 and 6722).

Extremely resistant to high and low temperatures as well as weathering, maximum resistance to oils and chemicals.

Very good fatigue strength against repeated bending.

Excellent return characteristics. Sheating: Polyurethan.

Lead size: 6 x 1.0 + 1 x 1.5 sq. mm. Stretched length: 4.0 m.



Part no.	Pk.	
8KA 004 797-041	1	Spirally-coiled cable "N" type, in compliance with ISO 1185, with 2 plastic plugs and kink guard grommets
8KA 004 797-051	1	"S" type, in compliance with ISO 3731, with 2 plastic plugs and kink guard grommets
8KA 004 797-031	1	"N" type, in compliance with ISO 1185, with 2 blue plastic plugs and kink guard, absolutely waterproof! Type of protection: IPX9K for cable exit
8KA 007 965-011	1	"S" type, in compliance with ISO 3731, with 2 yellow plastic plugs and kink guard, absolutely waterproof! Type of protection: IPX9K for cable exit

Spirally-coiled cables, 24V

7-core spirally-coiled cable, 24V, "N".

Standard version for functions according to German traffic code (StVZO) + "S" for special functions (ISO 1185, 3731 and 6722).

Extremely resistant to high and low temperatures as well as weathering, maximum resistance to oils and chemicals.

Very good fatigue strength against repeated bending.

Excellent return characteristics. Sheating: Polyurethan.

Lead size: 6 x 1.0 + 1 x 1.5 sq. mm.

Stretched length: 4.0 m.



Part no.	Pk.	
8KA 004 797-071	1	Spirally-coiled cable "N" type, in compliance with ISO 1185, with 2 metal plugs
8KA 004 797-081	1	"S"-Type, in compliance with ISO 3731, with 2 metal plugs
8KA 004 797-101	1	"N" type, in compliance with ISO 1185, with 2 metal plugs, metal kink guard and suspension device
8KA 004 797-111	1	"S"-Type nach ISO 3731, with 2 metal plugs, metal kink guard and suspension device

Spirally-coiled cables, 24V

5-core ABS spirally-coiled cable, 24V (ISO 7638-1).

Extremely resistant to high and low temperatures as well as weathering, maximum resistance to oils and chemicals.

Very good fatigue strength against repeated bending.

Excellent return characteristics. Sheating: Hytrel or Polyurethan.

Lead size: 3 x 1.5 + 2 x 4.0 sq. mm.

Stretched length: 4.0 m.



Part no.	Pk.	
8KA 007 648-001	1	ABS spirally-coiled cable, with 2 ABS plugs and kink guard grommets. Sheating: Hytrel. Guaranteed to withstand 20.000 alternate bending operations! *)
8KA 007 648-011	1	with 2 ABS plugs and kink guard grommets. Sheating: Polyurethan

7-core EBS spirally-coiled cable, 24V (ISO 7638-1).

Extremely resistant to high and low temperatures as well as weathering, maximum resistance to oils and chemicals.

Very good fatigue strength against repeated bending.

Excellent return characteristics.

Lead size: 5 x 1.5 + 2 x 4.0 sq. mm.

Stretched length: 4.0 m.



Part no.	Pk.	
8KA 007 648-021	1	EBS spirally-coiled cable, with 2 EBS plugs and kink guard grommets. Sheating: Hytrel. Guaranteed to withstand 20.000 alternate bending operations! *)
8KA 007 648-031	1	ABS spirally-coiled cable, with 2 EBS plugs and kink guard grommets. Sheating: Polyurethan

15-core spirally-coiled cable, 24V (ISO 12 098)

Extremely resistant to high and low temperatures as well as weathering, maximum resistance to oils and chemicals.

Very good fatigue strength against repeated bending.

Excellent return characteristics. Sheating: Hytrel or Polyurethan.

Lead size: 12 x 1.5 + 3 x 2.5 sq. mm.

Stretched length: 4.0 m.



Part no.	Pk.	
8KA 007 648-041	1	Spirally-coiled cable, with 2 plastic plugs and blue kink guard grommets. Sheating: Hytrel. Guaranteed to withstand 20.000 alternate bending operations! *)
8KA 007 648-051	1	Spirally-coiled cable with 2 plastic plugs and blue kink guard grommets. Sheating: Polyurethan

7-core spirally-coiled cable, 12V/24V, "N" Standard version for functions according to German traffic code (StVZO) (ISO 1185, 1724 and 6722)

Extremely resistant to high and low temperatures as well as weathering, maximum resistance to oils and chemicals.

Very good fatigue strength against repeated bending.

Excellent return characteristics. Sheating: Polyurethan.

Lead size: 6 x 1.0 + 1 x 1.5 sq. mm.

Stretched length: 4.0 m.



Part no.	Pk.	
8KA 007 648-061	1	Spirally-coiled cable, with 2 metal plugs

*) A minimum of 10.000 alternate bending operations are prescribed by ISO 4141.

Cable connectors

Cable connector

With 6.3 mm blade terminal contacts.
Fixing hole 3.5 mm dia. between each terminal.



Part no.	Pk.	
8KV 002 132-001	10	Cable connector, 12-pole, dimensions: 145 x 28 x 7 mm
8KV 002 133-001	10	dimensions: 142 x 42 x 7 mm

Cable connector

With solid brass terminals.
Connectors can be removed individually.



Part no.	Pk.	
8KV 002 137-001	10	Cable connector, 12-pole, for cables up to 2.5 sq. mm
8KV 002 139-001	10	according DIN 72 586, for cables up to 4 sq. mm
8KV 002 139-003	1	
8KV 002 140-001	10	for cables up to 10 sq. mm
8KV 002 141-001	10	for cables up to 16 sq. mm

Cable connector

Dimensions: 50 x 21 x 7 mm.

4-pole, with blade terminal contacts. All poles are interconnected.
Blade receptacles completely concealed by housing.



Part no.	Pk.	
8KV 003 124-811	1	Cable connector set, 1/3-pole 10 pieces in Pro-fit pack

Cable connector

Transparent PVC junction connector
Material: brass, tin-plated.



Part no.	Pk.	
8KV 002 135-821	1	Cable connector set, 1/2-pole 10 pieces in Pro-fit pack

Cable connector

With 8 x 4 blade terminal contacts 6.3 x 0.8 mm.



Part no.	Pk.	
8KV 003 284-001	1	Cable connector, dimensions: 68 x 40 x 22 mm

Cable connectors

Cable connector

For cables up to 6 sq. mm = 3.5 mm dia.

Dimensions: 125 x 73 x 43 mm.

ABS-body with sealed joints,
prevents ingress of moisture, dust, dirt etc.



Part no.	Pk.	
8KV 002 142-031	1	Cable connector, 6-pole, with screw contacts
8KV 002 143-031	1	8-pole, with screw contacts
8KV 002 144-031	1	8-pole, with 8 terminal contacts 6.3 mm
8KV 002 145-031	1	8-pole, with 8 double blade terminal contacts 6.3 mm

Cable connector

For cables up to 6 sq. mm = 3.5 mm dia.

Dimensions: 141 x 94 x 58 mm.

ABS-body with sealed joints,
prevents ingress of moisture, dust, dirt etc.



Part no.	Pk.	
8KV 004 258-031	1	Cable connector, 16-pole, with screw contacts
8KV 004 259-031	1	8-pole, with 8 double blade terminal contacts

Cable connector

Body with sealed joints, prevents ingress of moisture, dust, dirt etc.,
with plug insert 6.3 x 0.8, 8x 4-pole and 6x 8-pole.

Type of protection: IP69K.



Part no.	Pk.	
8KV 177 785-007	30	Cable connector with 12 metric screw connections 1x M25, 3x M20 and 8x M16
8KV 177 785-017	30	with 4 metric screw connections 4x M20



Fuse boxes

ATO-fuse box

Transparent cover and contacts.

Part no.	Pk.	
8JD 005 993-072	10	ATO-fuse box, 4-pole, with 8 axial exits 6.3 x 0.8 mm
8JD 005 993-082	10	with 8 lateral exits 6.3 x 0.8 mm

ATO-fuse box

Transparent cover, contacts and 2 fixing lugs.

Part no.	Pk.	
8JD 005 993-001	10	ATO-fuse box, 5-pole, with 10 axial exits 6.3 x 0.8 mm, Max. load: 5x 30A ATO blade-type fuses
8JD 005 993-002	1	Pro-fit pack

ATO-fuse box

Transparent cover.

Part no.	Pk.	
8JD 005 993-021	10	ATO-fuse box, 5-pole, with 10 axial solder lugs 2.2 mm. Max. load: 5x 15A ATO blade-type fuses

ATO-fuse box

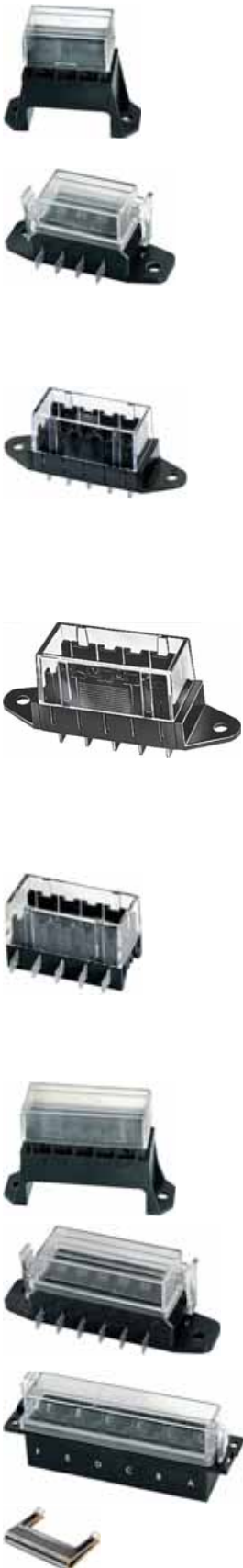
Transparent cover and contacts.

Part no.	Pk.	
8JD 005 993-032	10	ATO-fuse box, 5-pole, with 10 lateral exits 6.3 x 0.8 mm. Max. load: 5x 30A ATO blade-type fuses

ATO-fuse box

Transparent cover and contacts.

Part no.	Pk.	
8JD 005 993-092	10	ATO-fuse box, 6-pole, with 12 axial exits 6.3 x 0.8 mm
8JD 005 993-102	10	with 12 lateral exits 6.3 x 0.8 mm
8JD 005 993-051	10	with 24 axial exits 6.3 x 0.8 mm
9MK 741 492-001	80	Bridge, 15.8 mm wide for fuse box 8JD 005 993-061



Fuse boxes

ATO-fuse box

Transparent cover and contacts.



Part no.	Pk.	
8JD 005 993-112	10	ATO-fuse box, 8-pole, with 16 axial exits 6.3 x 0.8 mm
8JD 005 993-122	10	with 16 lateral exits 6.3 x 0.8 mm
8JD 005 993-061	10	ATO-fuse box, 6-pole, with 32 axial exits 6.3 x 0.8 mm or 64 axial exits 2.8 x 0.8 mm
9MK 741 492-001	80	Bridge, 11.5 mm wide for fuse box 8JD 005 993-061
8JB 742 649-001	1	Coding set (4 pieces) for fuse box 8JD 005 993-061

ATO-fuse box

Splash-proof, with holders integrated into cover for 4 spare flat fuses, rubber gasket and 12 contact parts for conductors 1.5 - 2.5 sq. mm.



Part no.	Pk.	
8JD 005 993-131	1	Special fuse box, 12-pole

ATO-fuse box

Several single potentials can be replaced individually with contact bus bars.

Consisting of: basic element with housing, insert, 16 single potentials and transparent cover.



Part no.	Pk.	
8JD 005 993-161	1	ATO-fuse box, 8-pole, with 32 axial exits 6.3 x 0.8 mm. Max. load: 60A with single contacts, 125A with contact bus bars
9MK 741 492-022	10	Accessories: Contact bus bar with 2 potentials
9MK 741 492-032	10	with 3 potentials
9MK 741 492-042	10	with 4 potentials
9MK 741 492-052	10	with 5 potentials
9MK 741 492-062	10	with 6 potentials
9MK 741 492-072	10	with 7 potentials
9MK 741 492-082	10	with 8 potentials
8JB 742 649-041	1	Coding set (4 pieces)

Fuse boxes

ATO-fuse box set

Consisting of: housing, insert,
16 single potentials and transparent cover.
For automatic-fuse series 8JS 174 320-...



Part no.	Pk.	
8JD 005 993-171	1	ATO-fuse box set, 8-pole, max. load: 60A with single contacts, 125A with contact bus bars
Accessories:		
9MK 741 492-022	10	Contact bus bar with 2 potentials
9MK 741 492-032	10	with 3 potentials
9MK 741 492-042	10	with 4 potentials
9MK 741 492-052	10	with 5 potentials
9MK 741 492-062	10	with 6 potentials
9MK 741 492-072	10	with 7 potentials
9MK 741 492-082	10	with 8 potentials
8JB 742 649-041	1	Coding set (4 pieces)

ATO-fuse box set

Consisting of: housing, insert,
16 single potentials and transparent cover.
For automatic-fuse series 8JS 174 326-...



Part no.	Pk.	
8JD 005 993-181	1	ATO-fuse box set, 8-pole, max. load: 60A with single contacts, 125A with contact bus bars
Accessories:		
9MK 741 492-022	10	Contact bus bar with 2 potentials
9MK 741 492-032	10	with 3 potentials
9MK 741 492-042	10	with 4 potentials
9MK 741 492-052	10	with 5 potentials
9MK 741 492-062	10	with 6 potentials
9MK 741 492-072	10	with 7 potentials
9MK 741 492-082	10	with 8 potentials
8JB 742 649-041	1	Coding set (4 pieces)

Torpedo fuse boxes

Fuse box

With 8A fuses according to DIN 72 582,
form A, for cables up to 6 sq. mm.



Part no.	Pk.	
8JD 002 288-001	10	Fuse box, 1-pole, black cover, screw contacts

Fuse box

With 8A fuses according to DIN 72 582, form A, for cables up to 6 sq. mm,
with screw- or blade terminal contacts 6.3 x 0.8 mm.



Part no.	Pk.	
8JD 002 289-001	10	Fuse box, 2-pole, black cover, screw contacts
8JD 002 289-011	10	transparent cover, screw contacts
8JD 002 289-013	1	transparent cover, screw contacts Pro-fit pack
8JD 002 289-081	10	transparent cover, blade terminal contacts
9XS 091 200-007	100	Bridge



Torpedo fuse boxes

Fuse box

With 8A fuses according to DIN 72 582, form A, for cables up to 6 sq. mm, with screw- or blade terminal contacts 6.3 x 0.8 mm.



Part no.	Pk.	
8JD 002 294-001	15	Fuse box, 4-pole, black cover, screw contacts
8JD 002 294-002	1	black cover, screw contacts Pro-fit pack
8JD 002 294-011	15	transparent cover, screw contacts
8JD 002 294-081	10	transparent cover, blade terminal contacts

Fuse box

With 8A fuses according to DIN 72 582, form A, for cables up to 6 sq. mm, with screw- or blade terminal contacts 6.3 x 0.8 mm.



Part no.	Pk.	
8JD 002 291-001	10	Fuse box, 6-pole, black cover, screw contacts
8JD 002 291-011	10	transparent cover, screw contacts
8JD 002 291-141	10	transparent cover, blade terminal contacts

Fuse box

With 8A fuses according to DIN 72 582, form A, for cables up to 6 sq. mm, with screw- or blade terminal contacts 6.3 x 0.8 mm.



Part no.	Pk.	
8JD 002 290-001	5	Fuse box, 8-pole, black cover, screw contacts
8JD 002 290-031	5	transparent cover, screw contacts
8JD 002 290-141	10	transparent cover, blade terminal contacts







Fuse box

With 8A fuses according to DIN 72 582, form A, for cables up to 6 sq. mm.






Part no.	Pk.	
8JD 004 588-001	1	Fuse box, 12-pole, transparent cover, 60 blade terminal contacts 6.3 x 0.8 mm, with 12 fuses 8A

PAL fuses (Original Pacific) slow bow

Typ	Power	Colour	Part no.	Pk.	Package
 Female (AS)	20A	blue	8JS 740 026-001	1	Pro-fit
	30A	pink	8JS 740 026-011	1	
	40A	green	8JS 740 026-021	1	
	50A	red	8JS 740 026-031	1	
	60A	yellow	8JS 740 026-041	1	
 Female small (F)	30A	pink	8JS 740 026-101	1	Pro-fit
	40A	green	8JS 740 026-111	1	
 Male (B)	30A	pink	8JS 740 026-201	1	Pro-fit
	40A	green	8JS 740 026-241	1	
	50A	red	8JS 740 026-251	1	
	60A	yellow	8JS 740 026-211	1	
	70A	brown	8JS 740 026-261	1	
	80A	black	8JS 740 026-221	1	
	100A	blue	8JS 740 026-231	1	
	120A	white	8JS 740 026-271	1	
 Bent (C)	30A	pink	8JS 740 026-311	1	Pro-fit
	40A	green	8JS 740 026-321	1	
	0A	red	8JS 740 026-331	1	
	60A	yellow	8JS 740 026-341	1	
	70A	brown	8JS 740 026-351	1	
	80A	black	8JS 740 026-301	1	
	100A	blue	8JS 740 026-361	1	
	120A	white	8JS 740 026-371	1	
 Bent short (CS)	30A	pink	8JS 740 026-501	1	Pro-fit
	40A	green	8JS 740 026-511	1	
	50A	red	8JS 740 026-521	1	
	60A	yellow	8JS 740 026-531	1	
	70A	brown	8JS 740 026-541	1	
	80A	black	8JS 740 026-551	1	
	100A	blue	8JS 740 026-561	1	
	120A	white	8JS 740 026-571	1	
 Female slot (D)	25A	brown	8JS 740 026-601	1	Pro-fit
	30A	green	8JS 740 026-611	1	
 Female slot (E)	45A	red	8JS 740 026-701	1	Pro-fit
	65A	black	8JS 740 026-711	1	
	75A	grey	8JS 740 026-721	1	
 JCASE	20A	blue	8JS 740 026-401	1	Pro-fit
	30A	pink	8JS 740 026-411	1	
	40A	green	8JS 740 026-421	1	
	50A	red	8JS 740 026-431	1	
	60A	yellow	8JS 740 026-441	1	
 Low Profile JCASE	20A	blue	8JS 740 026-731	1	Pro-fit
	25A	nature	8JS 740 026-741	1	
	30A	pink	8JS 740 026-751	1	
	40A	green	8JS 740 026-761	1	
	50A	red	8JS 740 026-771	1	
	60A	yellow	8JS 740 026-781	1	

Blade-type fuses (MINI, ATO, MAXI) (DIN 72 581, part 3)

Typ	Power	Colour	Part no.	Pk.	Package
	MINI (DIN 72 581, part 3 F)				
	2A	grey	8JS 728 596-861	1	Pro-fit pack, contains: 5 each of
	3A	lilac	8JS 728 596-881	1	
	4A	pink	8JS 728 596-801	1	
	5A	beige	8JS 728 596-811	1	
	7.5A	brown	8JS 728 596-891	1	
	10A	red	8JS 728 596-821	1	
	15A	blue	8JS 728 596-831	1	
	20A	yellow	8JS 728 596-841	1	
	25A	white	8JS 728 596-871	1	
	30A	green	8JS 728 596-851	1	
	2A	grey	8JS 728 596-081	50	Pro-fit
	3A	lilac	8JS 728 596-101	50	
	4A	pink	8JS 728 596-121	50	
	5A	beige	8JS 728 596-131	50	
	7.5A	brown	8JS 728 596-111	50	
	10A	red	8JS 728 596-141	50	
	15A	blue	8JS 728 596-151	50	
	20A	yellow	8JS 728 596-161	50	
	25A	white	8JS 728 596-091	50	
30A	green	8JS 728 596-171	50		
5A	beige	8JS 728 596-017	3000	Industry	
7.5A	brown	8JS 728 596-077	3000		
10A	red	8JS 728 596-027	3000		
15A	blue	8JS 728 596-037	3000		
20A	yellow	8JS 728 596-047	3000		
MINI blade-type fuse set 3 x 4A, 3 x 5A, 5 x 10A, 5 x 15A, 5 x 20A, 3 x 30A			8JS 728 596-901	1	Pro-fit, contains 24 pieces
	MINI with LED, 12V				
	3A	lilac	8JS 728 596-182	10	Pro-fit
	5A	beige	8JS 728 596-192	10	
	7.5A	brown	8JS 728 596-202	10	
	10A	red	8JS 728 596-212	10	
	15A	blue	8JS 728 596-222	10	
	20A	yellow	8JS 728 596-232	10	
	25A	white	8JS 728 596-242	10	
30A	green	8JS 728 596-252	10		
MINI-LED blade-type fuse set, 12V je 1 x 5A, 7.5A, 10A, 15A, 20A			8JS 728 596-921	1	Pro-fit, contains 5 pieces
	Low Profile MINI				
	2A	grey	8JS 728 596-262	5	Pro-fit
	3A	lilac	8JS 728 596-272	5	
	4A	pink	8JS 728 596-282	5	
	5A	orange	8JS 728 596-292	5	
	7.5A	brown	8JS 728 596-302	5	
	10A	red	8JS 728 596-312	5	
	15A	blue	8JS 728 596-322	5	
	20A	yellow	8JS 728 596-332	5	
25A	clear	8JS 728 596-342	5		
30A	green	8JS 728 596-352	5		

Blade-type fuses (MINI, ATO, MAXI) (DIN 72 581, part 3)

Typ	Power	Colour	Part no.	Pk.	Package	
ATO according to DIN 72 581, part 3	1A	black	8JS 711 683-831	1	Pro-fit, contains: 5 each of	
	2A	grey	8JS 711 683-841	1		
	3A	lilac	8JS 711 683-821	1		
	4A	pink	8JS 711 683-881	1		
	5A	beige	8JS 711 684-821	1		
	7.5A	brown	8JS 711 685-821	1		
	10A	red	8JS 711 686-821	1		
	15A	blue	8JS 711 687-821	1		
	20A	yellow	8JS 711 688-821	1		
	25A	white	8JS 711 689-821	1		
	30A	green	8JS 711 690-821	1		
	35A	dark blue	8JS 711 683-871	1		
	40A	orange	8JS 711 683-851	1		
	1A	black	8JS 711 683-011	50		Pro-fit
	2A	grey	8JS 711 683-021	50		
	3A	lilac	8JS 711 683-002	50		
	4A	pink	8JS 711 683-052	50		
	5A	beige	8JS 711 684-002	50		
	7.5A	brown	8JS 711 685-002	50		
	10A	red	8JS 711 686-002	50		
15A	blue	8JS 711 687-002	50			
20A	yellow	8JS 711 688-002	50			
25A	white	8JS 711 689-002	50			
30A	green	8JS 711 690-002	50			
35A	dark blue	8JS 711 683-042	50			
40A	orange	8JS 711 683-031	50			
10A	red	8JS 711 686-007	2000	Industry		
15A	blue	8JS 711 687-007	2000			
30A	green	8JS 711 690-007	2000			



ATO blade-type fuse set 15 each of 5A, 7.5A, 10A, 15A, 20A, 25A, 30A and fuse holder 8KV 004 418-004	8JS 004 743-803	1	Pro-fit, contains 109 pieces
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ATO blade-type fuse set 1 each of 3A, 5A, 7.5A, 15A, 25A, 30A 2 each of 10A, 20A	8JS 711 683-903	1	Pro-fit, contains 10 pieces
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ATO blade-type fuse set 5 each of 2A, 5A, 7.5A, 15A, 20A, 30A	8JS 711 683-861	1	Polyethylene bag, contains 30 pieces
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Typ	Bestell-Nr.	Vp.	Package
Contains 476 pieces: 25 each of ATO blade-type fuses: 2A, 3A, 4 A, 5A, 7,5 A, 10A, 15A, 20A, 25A, 30A, 40A 20 each of MINI blade-type fuses: 2A, 3A, 4A, 5A, 7,5 A, 10A, 15A, 20A, 25A, 30A 1 MINI and 1 ATO blade-type fuse tweezer 8PE 713 576-011	8JS 009 257-801	1	



Typ	Power	Colour	Part no.	Pk.	Package
ATO with LED, 12V	3A	lilac	8JS 711 683-062	10	Pro-fit
	5A	beige	8JS 711 683-072	10	
	7.5A	brown	8JS 711 683-082	10	
	10A	red	8JS 711 683-092	10	
	15A	blue	8JS 711 683-102	10	
	20A	yellow	8JS 711 683-112	10	
	25A	white	8JS 711 683-122	10	
	30A	green	8JS 711 683-132	10	



ATO-LED blade-type fuse set, 12V je 1 x 5A, 7,5A, 10A, 15A, 20A	8JS 711 683-931	10	Pro-fit, contains 5 pieces
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Blade-type fuses for electric vehicles up to 80V	3A	lilac	8JS 711 683-202	10	Polyethylene bag
	5A	beige	8JS 711 683-212	10	
	7.5A	brown	8JS 711 683-222	10	
	10A	red	8JS 711 683-232	10	
	15A	blue	8JS 711 683-242	10	
	20A	yellow	8JS 711 683-252	10	
	25A	white	8JS 711 683-262	10	
	30A	green	8JS 711 683-272	10	



Blade-type fuses (MINI, ATO, MAXI) (DIN 72 581, part 3)

Typ	Power	Colour	Part no.	Pk.	Package
MAXI (DIN 72 581, part 3 E)	20A	yellow	8JS 728 595-051	1	Pro-fit
	30A	green	8JS 728 595-061	1	
	40A	orange	8JS 728 595-071	1	
	50A	red	8JS 728 595-081	1	
	60A	blue	8JS 728 595-091	1	
	70A	brown	8JS 728 595-101	1	
	80A	white	8JS 728 595-111	1	
	20A	yellow	8JS 728 595-131	10	
	25A	grey	8JS 728 595-212	10	
	30A	green	8JS 728 595-141	10	
	40A	orange	8JS 728 595-151	10	
	50A	red	8JS 728 595-161	10	
	60A	blue	8JS 728 595-171	10	
70A	brown	8JS 728 595-181	10		
80A	white	8JS 728 595-191	10		



MAXI blade-type fuse set 1 of 20A, 3 each of 30A, 40A, 50A, 60A	8JS 728 595-901	10	Pro-fit, contains 13 pieces
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Typ	Bestell-Nr.	Vp.	Package
MINI and ATO blade-type fuse tweezer	8PE 713 576-011	1	



MAXI blade-type fuse tweezer	8PE 713 576-021	1	
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Thermal automatic fuses, suitable for ATO blade-type fuses

Typ	Power	Nom. Voltage	Colour	Part no.	Pk.
Automatic fuses, can be reset	5A	32V	light brown	8JS 174 320-001	10
	7.5A	32V	brown	8JS 174 320-011	10
	10A	32V	red	8JS 174 320-021	10
	15A	32V	blue	8JS 174 320-031	10
	20A	32V	yellow	8JS 174 320-041	10
	25A	32V	white	8JS 174 320-051	10
	30A	32V	light green	8JS 174 320-061	10
	40A	32V	orange	8JS 174 320-071	10



Automatic fuses, with manual release	5A	28V	light brown	8JS 174 326-001	10
	7.5A	28V	brown	8JS 174 326-011	10
	10A	28V	red	8JS 174 326-021	10
	15A	28V	blue	8JS 174 326-031	10
	20A	28V	yellow	8JS 174 326-041	10
	25A	28V	white	8JS 174 326-051	10
	30A	28V	light green	8JS 174 326-061	10
	35A	28V	green	8JS 174 326-081	10
	40A	28V	orange	8JS 174 326-071	10



Automatic fuse, self-resetting	12A	12V		8JS 174 328-001	10
	15A	12V		8JS 174 328-011	10
	20A	12V		8JS 174 328-021	10
	30A	12V		8JS 174 328-031	10



Automatic fuse, suitable for MAXI base	10A	14V		8JS 174 330-001	10
	7.5A	14V		8JS 174 330-011	10
	10A	14V		8JS 174 330-021	10
	20A	14V		8JS 174 330-041	10
	25A	14V		8JS 174 330-051	10
	30A	14V		8JS 174 330-061	10



Thermal automatic fuses, suitable for ATO blade-type fuses



Typ	Power	Nom. Voltage	Colour	Part no.	Pk.
Automatic fuse, suitable for MAXI base, self-resetting	10A	24V		8JS 174 333-001	10
	15A	24V		8JS 174 333-011	10
	20A	24V		8JS 174 333-021	10
	25A	24V		8JS 174 333-031	10
	30A	24V		8JS 174 333-041	10
	35A	24V		8JS 174 333-051	10
	40A	24V		8JS 174 333-061	10
	50A	24V		8JS 174 333-071	10

High current fuses



Typ	Power	Colour	Part no.	Pk.	Package
MIDI	30A	pink	8JS 742 901-061	1	Pro-fit
	40A	green	8JS 742 901-001	1	
	50A	red	8JS 742 901-011	1	
	60A	yellow	8JS 742 901-021	1	
	70A	brown	8JS 742 901-031	1	
	80A	white	8JS 742 901-041	1	
	100A	blue	8JS 742 901-051	1	
	125A	orange	8JS 742 901-071	1	
	150A	grey	8JS 742 901-081	1	



MEGA	100A	yellow	8JS 742 902-001	1	Pro-fit
	125A	green	8JS 742 902-011	1	
	150A	red	8JS 742 902-021	1	
	175A	white	8JS 742 902-031	1	
	200A	blue	8JS 742 902-041	1	
	225A	brown	8JS 742 902-061	1	
	250A	pink	8JS 742 902-051	1	
	300A	grey	8JS 742 902-071	1	
	350A	dark green	8JS 742 902-081	1	
	400A	violet	8JS 742 902-091	1	
	450A	beige	8JS 742 902-101	1	
	500A	dark brown	8JS 742 902-111	1	

Torpedo fuses (DIN 72 581 part 1), 6 x 25 mm






Torpedo	5A	yellow	8JS 704 073-801	1	Pro-fit, contains: 5 each of	
	8A	white	8JS 025 889-801	1		
	16A	red	8JS 089 015-801	1		
	25A	blue	8JS 091 603-801	1		
	5A	yellow	8JS 704 073-003	100		Pro-fit
	8A	white	8JS 025 889-003	100		
	16A	red	8JS 089 015-003	100		
	25A	blue	8JS 091 603-003	100		
	40A	grey	8JS 713 144-003	100		
	Torpedo fuse set 1 each of 2.5A (5 x 20 mm), 5A, 25A, 4 each of 8A, 3 x 16A			8JS 003 481-803		1

Glass-tube fuses



Typ	Power	Part no.	Pk.	Package	
Glass-tube fuse 5 x 20 mm	5A	8JS 713 550-801	1	Pro-fit, contains 10 pieces	
	1A	8JS 713 549-003	100		
	2.5A	8JS 713 804-003	100		
	5A	8JS 713 550-003	100		
Glass-tube fuse 6.3 x 32 mm	5A	8JS 713 564-002	50	Pro-fit, contains 10 pieces	
	10A	8JS 713 805-003	50		
	15A	8JS 713 806-003	50		
	20A	8JS 713 807-003	50		
	25A	8JS 713 808-003	50		
	30A	8JS 713 567-003	50		
Glass-tube fuse set je 1 each of 2.5A (5 x 20 mm), 25A, je 3 each of 10A, 20A			8JS 003 481-823	1	Pro-fit, contains 8 pieces
Glass-tube fuse set 2 each of 1A, 2.5A, 5A (5 x 20 mm), 5A, 10A, 15A, 20A, 25A, 30A			8JS 735 379-801	1	Pro-fit, contains 18 pieces

Fuse stripes

Typ	Power	Part no.	Pk.	Package
 Fuse stripes 41 x 11 mm	30A	8JS 713 575-011	100	
	50A	8JS 713 575-021	100	
	60A	8JS 713 575-031	100	
	80A	8JS 713 575-001	100	
	100A	8JS 713 575-041	100	
	125A	8JS 713 575-051	100	
	150A	8JS 713 575-061	100	
 HSB fuse stripes 42 x 12 mm (Volkswagen, Opel etc.)	30A	8JS 713 575-102	10	Polyethylene bag
	40A	8JS 713 575-112	10	
	50A	8JS 713 575-122	10	
	60A	8JS 713 575-132	10	
	80A	8JS 713 575-142	10	
	110A	8JS 713 575-152	10	
	150A	8JS 713 575-162	10	
 Fuse stripes for railless battery vehicles (DIN 43 560, part 1), 82 x 20 mm	35A	8JS 713 575-201	1	Polyethylene bag
	50A	8JS 713 575-211	1	
	63A	8JS 713 575-221	1	
	80A	8JS 713 575-231	1	
	100A	8JS 713 575-241	1	
	125A	8JS 713 575-251	1	
	160A	8JS 713 575-261	1	
	200A	8JS 713 575-271	1	
	250A	8JS 713 575-281	1	
	300A	8JS 713 575-291	1	
	355A	8JS 713 575-301	1	
425A	8JS 713 575-311	1		

CF8 Main fuses up to 58V

Polyethylene bag

Insulating element: ceramic C221.

Part no.	Pk.	
8JS 747 876-001	1	CF8 main fuse, 50A 75A 100A 125A 150A 175A 200A 250A 300A
8JS 747 876-011	1	
8JS 747 876-021	1	
8JS 747 876-031	1	
8JS 747 876-041	1	
8JS 747 876-051	1	
8JS 747 876-061	1	
8JS 747 876-071	1	
8JS 747 876-081	1	
9MJ 747 877-001	1	

Holder for fuses

Pro-fit pack

Water-proof, 100 mm long.

Part no.	Pk.	
8JD 743 557-001	1	MINI-fuse holder with lead size 2 sq. mm, both sides with lead size 3 sq. mm, both sides
8JD 743 557-011	1	
8JD 743 557-091	1	LowProfile MINI-fuse holder with lead size 0.75 sq. mm, both sides, max. 10A with lead size 3 sq. mm, both sides, max. 30A
8JD 743 557-101	1	

Holder for fuses

Self-service box



Part no.	Pk.	
8JD 187 871-011	1	LowProfile MINI-fuse holder with lead size 1.5 sq. mm, both sides, max. 16A
8JD 187 871-021	1	with lead size 2.5 sq. mm, both sides, max. 24A

Self-service box



Part no.	Pk.	
8JD 187 871-001	1	MINI-fuse holder with lead 2.5 sq. mm, be lined



Part no.	Pk.	
8JD 187 871-031	1	MINI-fuse holder with sealing cap, be lined
8JD 187 872-001	10	Accessories: Socket, 5-pole, be lined



Pro-fit pack

100 mm long.



Part no.	Pk.	
8JD 743 557-021	1	ATO-fuse holder with lead size 1.3 sq. mm, both sides, max. 20A, water-proof
8JD 743 557-031	1	with lead size 3.3 sq. mm, both sides, max. 30A, water-proof
8JD 743 557-041	1	with lead size 1.3 sq. mm, both sides, max. 20A
8JD 743 557-051	1	with lead size 3.3 sq. mm, both sides, max. 30A



With cover.

Operating temperature: -40 °C to +125 °C.



Part no.	Pk.	
8JD 743 557-111	1	Max. load: 60A at 58V. JCASE-fuse holder
8JD 743 557-121	1	Max. load: 40A at 58V. Low Profile JCASE-fuse holder



Blade terminal contacts 6.3 x 0.8 mm.



Part no.	Pk.	
8KV 004 418-821	1	ATO-fuse holder 2 pieces in Pro-fit pack
8KV 004 418-004	10	Pro-fit pack



Holder for fuses

Housing made of blue plastic, also for direct connexion to lead, for lead sizes from 0.75 - 2.0 sq. mm.

Part no.	Pk.	
8KV 714 340-002	10	ATO-fuse holder
8KV 714 340-007	100	Pro-fit pack Polyethylene bag



Several holders can be joined together.
Can be joined together with 9-pole socket housing 8JA 003 526-001.

Part no.	Pk.	
8JA 007 024-001	1	ATO-fuse holder with 2 double-spring contacts 8KW 054 944-003
8JD 007 024-047	1000	without double-spring contacts



Max. load: 30A.

With 2 double-spring contacts 8KW 054 944-003 and cover, for lead size up to 2.5 sq. mm, for lead sizes from 2.5 - 4.0 sq. mm take double-spring contacts 8KW 054 943-003!

Several holders can be joined together.

Part no.	Pk.	
8JD 005 235-801	1	ATO-fuse holder 2 pieces in Pro-fit pack
8JD 005 235-002	6	Pro-fit pack



For fusing retrofitted equipment such as electric sliding roof, car phone, amplifier, navigation system, refrigerator box.

Pro-fit pack contains:

- 1 fuse holder,
- 4 each of blade-type fuses 3A, 5A, 7.5A, 10A

Part no.	Pk.	
8JD 743 557-801	1	MINI-fuse holder
8JD 743 557-811	1	ATO-fuse holder



Water-proof, with cover, 2 screws, contacts for lead sizes from 2.5 - 6.0 sq. mm and from 5.0 - 10.0 sq. mm.

Max. load up to 60A.

Part no.	Pk.	
8JD 743 708-001	1	MAXI-fuse holder Pro-fit pack



Water-proof, with cover, seal and contacts.

Max. load 20A - 80A.

Pro-fit pack.

Part no.	Pk.	
8JD 743 710-001	1	MAXI-fuse holder for lead sizes from 4 - 6 sq. mm
8JD 743 709-001	1	for lead sizes from 6 - 10 sq. mm



Holder for fuses

Also suitable for 41 x 11 mm and 42 x 12 mm HSB fuse stripes.
Max. load 30A - 150A.
Pro-fit pack

Part no.	Pk.	
8JD 743 136-001	1	MIDI-fuse holder
8JD 743 136-007	200	



Max. load 100A - 250A.
Pro-fit pack.

Part no.	Pk.	
8JD 743 135-001	1	MEGA-fuse holder



Flexible cover enables access for lead from all directions.
Max. load: 500A at 32V.

Part no.	Pk.	
8JD 743 135-011	1	MEGA-fuse holder



For 4 MIDI- and 1 MEGA-fuse:
Max. load (MIDI): 200A at 32V
(Continuous load: 150A per output).
Max. load (MEGA): 500A at 32V
(Continuous load: 375A).

Part no.	Pk.	
8JD 187 871-041	1	MIDI/MEGA-fuse holder



Bayonet fastening. With screw contact.
For lead sizes from 1.5 - 2.5 sq. mm.

Part no.	Pk.	
8KV 002 127-801	1	Torpedo-fuse holder (DIN 72 581) with 8A fuse
8KV 002 127-003	10	2 pieces in Pro-fit pack
8KV 002 127-007	1000	Pro-fit pack
8KV 002 136-001	10	Torpedo-fuse holder (DIN 72 581) with 5A fuse
8KV 002 127-021	10	with 16A fuse
8KV 002 127-011	10	with 25A fuse
8KV 002 136-011	10	without fuse

Holder for fuses



Part no.	Pk.	
8KV 003 285-801	1	With 2A glass-tube fuse and connecting lead 170 mm long. Two 6.3 x 0.8 mm blade receptacles. Glass-tube fuse holder 5 x 20 mm
8KV 003 285-002	8	2 pieces in Pro-fit pack Glass-tube fuse holder 5 x 20 mm Pro-fit pack
8JD 003 285-011	1	Max load: 10A at 32V. With lead. Glass-tube fuse holder 5 x 20 mm
8JD 003 285-021	1	Max load: 20A at 32V. Twist-Lock fastening. With lead. Glass-tube fuse holder 6.3 x 32 mm



For fuse stripes on railles battery vehicles.



Part no.	Pk.	
8JD 743 557-081	1	Fuse holder Pro-fit pack

Starter cable

with battery terminal clip and M8 ring tongue.
For lead size 25 sq. mm. Pole 17.5 mm dia.



Part no.	Pk.	
8KX 707 919-021	5	Starter cable, 900 mm long

Engine earthing straps

made of highly flexible copper mesh.



Part no.	Pk.	
8KX 707 916-001	5	For lead size 16 sq. mm. Pole 10.5 mm dia. Max. load: 65A. Engine earthing strap, 150 mm long
8KX 707 916-011	5	200 mm long
8KX 707 916-021	5	250 mm long
8KX 707 917-011	5	Lead size 21 sq. mm. Pole 10.5 mm dia. Max. load: 80A. Engine earthing strap, 200 mm long
8KX 707 917-021	5	250 mm long
8KX 707 917-031	5	300 mm long

Engine earthing straps

made of highly flexible copper mesh.



Part no.	Pk.	
		Lead size 21 sq. mm. Pole 10.5 mm dia. Max. load: 80A.
8KX 707 917-011	5	Engine earthing strap, 200 mm long
8KX 707 917-021	5	250 mm long
8KX 707 917-031	5	300 mm long

Bare copper band, 2-layer.

Both ends with end strap.

Pole 10.5 mm dia.



Part no.	Pk.	
8KX 175 422-002	5	Engine earthing strap, 300 mm long

Screening earth straps

made of highly flexible copper mesh.

For lead size 10 sq. mm. Pole 8.5 mm dia.

Max. load: 48A.



Part no.	Pk.	
8KX 707 918-001	5	Screening earth strap, 180 mm long
8KX 707 918-011	5	210 mm long
8KX 707 918-021	5	280 mm long
8KX 707 918-031	5	400 mm long

Battery earth straps

made of highly flexible copper mesh, with brass strap clip.

Ends and strap clips lead-covered.

For lead size 21 sq. mm. Pole 15.9 mm dia.

Max. load: 80A.

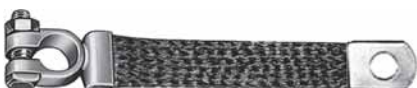


Part no.	Pk.	
8KX 091 391-001	10	Battery earth strap, 180 mm long
8KX 091 392-001	10	250 mm long
8KX 091 394-001	10	300 mm long
8KX 091 395-001	10	320 mm long
8KX 719 756-001	10	350 mm long
8KX 719 757-001	10	400 mm long
8KX 719 757-012	10	500 mm long

Bare copper band, 2-layer.

One end with end strap, the other end with

battery clamp form R in accordance with DIN 72333.



Part no.	Pk.	
8KX 175 421-002	5	Battery earth strap, 500 mm long

Battery terminal clips

Lead-free material, with cable connection on side, in compliance with DIN 72 331.



Part no.	Pk.	
		For lead sizes up to 70 sq. mm. Pole dia. 17.5 mm.
8KX 091 450-032	25	Battery terminal clip
8KX 091 450-031	1	Left + Pro-fit pack



		For lead sizes up to 70 sq. mm. Pole dia. 15.9 mm.
8KX 043 021-032	25	Battery terminal clip
8KX 043 021-031	1	Right - Pro-fit-pack



		For lead sizes up to 70 sq. mm. Pole dia. 17.5 mm.
8KX 091 451-032	25	Battery terminal clip
8KX 091 451-031	1	Right + Pro-fit pack



8KX 091 452-032	25	Battery terminal clip
8KX 091 452-031	1	Left - Pro-fit pack



		For lead sizes from 50 - 120 sq. mm, with light cable connection. Pole dia. 17.5 mm.
8KX 091 453-001	10	Battery terminal clip Left +



		For lead sizes from 50 - 120 sq. mm, without light cable connection. Pole dia. 17.5 mm.
8KX 707 911-001	10	Battery terminal clip Left +



		For lead sizes from 50 - 120 sq. mm, without light cable connection. Pole dia. 15.9 mm.
8KX 707 911-011	10	Battery terminal clip Right -



		For lead sizes from 10 - 70 sq. mm, without light cable connection.
8KX 716 405-001	10	Battery terminal clip Right +, pole dia. 17.5 mm
8KX 716 405-011	10	Battery terminal clip Left - , pole dia. 15.9 mm

Special battery terminal clips

For lead sizes from 50 - 120 sq. mm.



Part no.	Pk.	
8KX 707 912-001	10	Special battery terminal clip without light cable connection, + terminal clip. Pole dia. 17.5 mm
8KX 707 912-011	10	Special battery terminal clip with light cable connection, - terminal clip. Pole dia. 15.9 mm
8KX 707 913-011	10	Special battery terminal clip with M12 x 1.75 bolt, - terminal clip. Pole dia. 17.5 mm
8KX 707 913-001	10	Special battery terminal clip with M10 x 1.5 bolt, + terminal clip. Pole dia. 15.9 mm

Battery terminal clips

Brass clamp. Nut and bolt galvanised.



Part no.	Pk.	
8KX 742 695-032	10	Battery terminal clip Ford +
8KX 742 695-022	10	Battery terminal clip Ford -



Part no.	Pk.	
8KX 742 696-011	10	Battery terminal clip Renault +

Bolt diameter: 8 mm.



Part no.	Pk.	
8KX 747 875-001	1	Battery terminal clip 1-pole
8KX 747 875-011	1	Battery terminal clip 2-pole

Lead-free material, galvanised.
Material Quick-Lock handle: PBT GF 40.



Part no.	Pk.	
8KX 174 396-012	10	Battery terminal clip Pole dia. 19.5 mm



8KW 009 254-801

Crimp connector set

Case with various crimp connectors, one junction connector, one coupling and one set crimping pliers (reorder quantity is not the same quantity in the set).

Part no. spare parts	Piece	Type	Connector width	Cable section in sq. mm
8KW 044 276-003	20	Ring connectors	M4	0.5 - 1.0
8KW 044 291-003	20	Ring connectors	M5	0.5 - 1.0
8KW 044 036-003	20	Blade receptacles	6.3 x 0.8 mm	0.5 - 1.0
8KW 702 796-003	20	Blade terminals	6.3 x 0.8 mm	0.5 - 1.0
8KW 044 040-003	20	Pin terminals	4 mm dia.	0.5 - 1.0
8KW 044 037-003	20	Fork connectors	M5	1.5 - 2.5
8KW 044 022-003	20	Blade receptacles	6.3 x 0.8 mm	1.5 - 2.5
8KW 044 028-003	20	Ring connectors	M4	1.5 - 2.5
8KW 044 027-003	20	Ring connectors	M5	1.5 - 2.5
8KW 044 039-003	20	Ring connectors	M6	1.5 - 2.5
8KW 044 033-002	100	Butt connectors		1.5 - 2.5
8KW 044 032-003	20	2-way connectors	6.3 x 0.8 mm	1.5 - 2.5
8KW 044 288-003	20	Blade terminals	6.3 x 0.8 mm	1.5 - 2.5
8KW 045 145-003	20	Pin sockets	4 mm dia.	0.5 - 1.0
8KW 705 393-003	20	Blade receptacles	2.8 x 0.5 mm	0.5 - 1.0
8KW 708 373-003	20	Blade receptacles	6.3 x 0.8 mm	0.5 - 1.0
8KW 044 029-003	20	Ring connectors	M5	4.0 - 6.0
8KW 044 030-003	20	Ring connectors	M6	4.0 - 6.0
8KV 705 123-002	20	Splice connectors		0.8 - 2.0
8KW 044 035-003	20	Coupling	6.3 x 0.8 mm	
8PE 002 006-001	1	Crimping tool		
9XX 863 802-001	1	Assortment case, empty without dividers		
9XX 863 800-001	1	Dividers 9-1 for assortment case		
9XX 863 800-011	1	Dividers 8-1 for assortment case		



8KW 009 255-801

Crimp connector set, not insulated

Case with various uninsulated connectors
(reorder quantity is not the same as the quantity in the set).

Part no. spare parts	Piece	Type	Connector width	Cable section sq. mm
8KW 744 817-003	50	Blade receptacles with locking tab	2.8 x 0.8	0.5 - 1.0
8KW 744 828-003	50	Blade receptacles	4.8 x 0.8	0.5 - 1.0
8KW 744 834-003	50	Blade terminals with locking tab	2.8 x 0.8	0.5 - 1.0
8KW 733 815-003	50	Blade receptacles with locking tab	4.8 x 0.8	0.5 - 1.0
8KW 043 629-013	50	Blade receptacles	6.3 x 0.8	0.75 - 1.5
8KW 744 832-003	50	Blade terminals with locking tab	6.3 x 0.8	0.5 - 1.0
8KW 744 819-003	50	Blade receptacles with locking tab	6.3 x 0.8	0.5 - 1.0
8KW 043 630-013	50	Blade receptacles	6.3 x 0.8	1.5 - 2.5
8KW 048 056-033	50	Blade terminals with locking tab	6.3 x 0.8	1.5 - 2.5
8KW 701 235-033	50	Blade receptacles with locking tab	6.3 x 0.8	1.5 - 2.5
8KW 744 787-003	20	Blade receptacles	9.5 x 1.2	4.0 - 6.0
8KW 744 823-003	50	Blade terminals	6.3 x 0.8	1.5 - 2.5
8KW 043 636-003	50	2-way connectors	6.3 x 0.8	
8KW 700 144-003	20	3-way connectors	6.3 x 0.8	
8KW 744 885-013	20	2-way connectors	6.3 x 0.8	1.5 - 2.5
8KW 744 821-003	20	Blade receptacles with locking tab	6.3 x 0.8	1.5 - 2.5
8KW 744 827-003	20	Blade receptacles	6.3 x 0.8	0.5 - 1.5
8KW 744 804-00	20	Blade terminals 45 degrees	6.3 x 0.8	
8KW 044 285-00	20	Coupling	6.3 x 0.8	
9XX 863 802-001	1	Assortment case, empty without dividers		
9XX 863 800-001	1	Dividers 9-1 for assortment case		
9XX 863 800-011	1	Dividers 8-1 for assortment case		



8KW 009 253-801

Duraseal crimp connector set

Case with various Duraseal crimp connectors
(reorder quantity is not the same as the quantity in the set).

Part no. spare parts	Piece	Type	Connector width	Cable section sq. mm
8KW 732 579-003	15	Butt connectors		0.5 - 1.0
8KW 732 575-003	15	Ring connectors	M6	1.5 - 2.5
8KW 732 566-003	15	Blade receptacles completely insulated	6.3 x 0.8 mm	0.5 - 1.0
8KW 744 766-003	15	Pin terminals	5 mm dia.	1.5 - 2.5
8KW 732 580-003	15	Butt connectors		1.5 - 2.5
8KW 732 576-003	15	Ring connectors	M6	4.0 - 6.0
8KW 732 567-003	15	Blade receptacles completely insulated	6.3 x 0.8 mm	1.5 - 2.5
8KW 744 768-003	15	Round plug sockets completely insulated	5 mm dia.	1.5 - 2.5
8KW 732 581-003	15	Butt connectors		4.0 - 6.0
8KW 732 577-003	15	Ring connectors	M8	1.5 - 2.5
8KW 732 568-003	15	Blade terminals	6.3 x 0.8 mm	0.5 - 1.0
8KW 744 757-003	15	Fork connectors	M4	1.5 - 2.5
8KW 732 573-003	15	Ring connectors	M5	1.5 - 2.5
8KW 732 574-003	15	Ring connectors	M5	4.0 - 6.0
8KW 732 569-003	15	Blade terminals	6.3 x 0.8 mm	1.5 - 2.5
8KW 744 758-003	15	Fork connectors	M5	1.5 - 2.5
9XX 863 802-001	1	Assortment case, empty without dividers		
9XX 863 800-011	1	Dividers 8-1 for assortment case		



8JA 009 256-801

Superseal connector set

Case with various Superseal plug housings, pin/socket contacts, single conductor seals and dummy plugs (reorder quantity is not the same as the quantity in the set).

Part no. spare parts	Piece	Type	Lead size Poles
9GD 746 185-002	100	Single conductor seal	1.8 - 2.4 sq. mm
9GD 746 187-002	100	Dummy plug	
8KW 744 836-002	100	Pin contact	1.0 - 1.5 sq. mm
8KW 744 837-002	100	Bush contact	1.0 - 1.5 sq. mm
8JA 746 183-012	5	Pin housing	1-pole
8JA 746 183-022	5	Pin housing	2-pole
8JA 746 184-022	5	Bush housing	2-pole
8JA 746 183-032	5	Pin housing	3-pole
8JA 746 184-032	5	Bush housing	3-pole
8JA 746 183-042	5	Pin housing	4-pole
8JA 746 184-042	5	Bush housing	4-pole
8JA 746 183-052	5	Pin housing	5-pole
8JA 746 184-052	5	Bush housing	5-pole
8JA 746 183-062	5	Pin housing	6-pole
8JA 746 184-062	5	Bush housing	6-pole
9XX 863 802-001	1	Assortment case, empty without dividers	
9XX 863 800-001	1	Dividers 9-1 for assortment case	
9XX 863 800-011	1	Dividers 8-1 for assortment case	
9XX 863 800-021	1	Dividers 7-1 for assortment case	

9MJ 178 458-801

Heat-shrink tubing assortment



Part no. spare parts	Piece	Colors	Length mm	Dia. mm
9MJ 178 458-002	20 each of	red, yellow, blue	50	2.4
9MJ 178 458-012	30 each of	black, transparent		2.4
9MJ 178 458-022	20 each of	red, yellow, blue		3.2
9MJ 178 458-032	30 each of	black, transparent		3.2
9MJ 178 458-042	20 each of	red, yellow, blue		4.8
9MJ 178 458-052	20 each of	black, transparent		4.8
9MJ 178 458-062	20 each of	red, yellow, blue		6.4
9MJ 178 458-072	30 each of	black, transparent	6.4	
9MJ 178 458-082	4 each of	black, transparent, red, yellow, blue	100	9.5
9MJ 178 458-092	4 each of	black, transparent, red, yellow, blue		12.5
9MJ 178 458-102	10 each of	black, transparent		19.1
9MJ 178 458-112	5 each of	black, transparent, red, yellow, blue	200	9.5
9MJ 178 458-122	5 each of 5 each of	black black		19.1 24.5



ATO/MINI blade-type fuse set

Part no.	Pk.	
		Contains 476 pieces: 25 each of ATO blade-type fuses: 2A, 3A, 4 A, 5A, 7.5A, 10A, 15A, 20A, 25A, 30A, 40A 20 each of MINI blade-type fuses: 2A, 3A, 4A, 5A, 7.5A, 10A, 15A, 20A, 25A, 30A 1 MINI and 1 ATO blade-type fuse tweezer 8PE 713 576-011
8JS 009 257-801	1	ATO/MINI blade-type fuse set



Part no.	Pk.	
9XX 863 801-001	1	Handy-Box for assortment case (without case)



Part no.	Pk.	
9XX 863 802-001	1	Assortment case (empty, without dividers)



Part no.	Pk.	
9XX 863 800-021	1	Dividers 7-1 for assortment case. Each case can hold a maximum of 8 dividers
9XX 863 800-011	1	Dividers 8-1 for assortment case. Each case can hold a maximum of 16 dividers
9XX 863 800-001	1	Dividers 9-1 for assortment case. Each case can hold a maximum of 32 dividers

Installation material

Cables



Cable cross-section sq. mm	Colour of insulation	Meter / Reel = Min. order quantity	Part no.	Meter / Coil = Min. order quantity	Part no.
Single core cable for lighting, signalling and other electrical equipment.					
Cables with cross-section of 4 sq. mm and greater can also be used as charging or starter cables.					
Layout: Bare, soft annealed CU wires, insulating sleeves of thermoplastic material (PVC).					
Short description: FLY Standard: DIN ISO 6722-3					
0.75	black	100 m	8KL 054 001-002	50 m	8KL 712 929-001
0.75	white	100 m	8KL 054 002-002	50 m	8KL 712 930-001
0.75	yellow	100 m	8KL 054 003-002	50 m	8KL 712 931-001
0.75	grey	100 m	-	50 m	8KL 712 929-011
0.75	green	100 m	8KL 054 004-002	50 m	8KL 712 929-001
0.75	red	100 m	8KL 054 005-002	50 m	8KL 712 933-001
0.75	blue	100 m	8KL 054 006-002	50 m	8KL 712 934-001
0.75	brown	100 m	8KL 054 007-002	50 m	8KL 712 935-001
1.0	black	100 m	8KL 054 008-002	50 m	8KL 712 936-001
1.0	white	100 m	8KL 054 009-002	50 m	8KL 712 937-001
1.0	yellow	100 m	8KL 054 010-002	50 m	8KL 712 938-001
1.0	green	100 m	8KL 054 011-002	50 m	8KL 712 939-001
1.0	red	100 m	8KL 054 012-002	50 m	8KL 712 940-001
1.0	blue	100 m	8KL 054 013-002	50 m	8KL 712 941-001
1.0	brown	100 m	8KL 054 014-002	50 m	8KL 712 942-001
1.5	black	100 m	8KL 712 943-002	50 m	8KL 712 943-001
1.5	white	100 m	8KL 712 944-002	50 m	8KL 712 944-001
1.5	yellow	100 m	8KL 712 945-002	50 m	8KL 712 945-001
1.5	grey	100 m	8KL 712 946-002	50 m	8KL 712 946-001
1.5	green	100 m	8KL 712 947-002	50 m	8KL 712 947-001
1.5	red	100 m	8KL 712 948-002	50 m	8KL 712 948-001
1.5	blue	100 m	8KL 712 949-002	50 m	8KL 712 949-001
1.5	brown	100 m	8KL 712 950-002	50 m	8KL 712 950-001
1.5	violet	100 m	8KL 712 951-002	50 m	8KL 712 951-001
1.5	green/red	-	-	50 m	8KL 717 460-001
1.5	grey/black	-	-	50 m	8KL 717 461-001
1.5	black/white	-	-	50 m	8KL 717 462-001
1.5	black/red	-	-	50 m	8KL 717 464-001
1.5	black/green	-	-	50 m	8KL 717 464-001
4.0	black	25 m	8KL 712 960-002	50 m	8KL 712 960-001
4.0	yellow	25 m	8KL 712 961-002	50 m	8KL 712 961-001
4.0	red	25 m	8KL 712 962-002	50 m	8KL 712 962-001
4.0	blue	25 m	8KL 712 963-002	50 m	8KL 712 963-001
6.0	black	-	-	50 m	8KL 712 964-001
6.0	red	-	-	50 m	8KL 712 965-001
6.0	blue	-	-	50 m	8KL 712 966-001
10.0	black	-	-	50 m	8KL 712 967-001
10.0	red	-	-	50 m	8KL 712 968-001
16.0	black	-	-	50 m	8KL 712 969-001
25.0	black	-	-	50 m	8KL 712 970-001
35.0	black	-	-	50 m	8KL 712 971-001
50.0	black	-	-	50 m	8KL 712 972-001



Cable cross-section sq. mm	Colour of insulation	Meter / Reel = Min. order quantity	Part no.	Meter / Coil = Min. order quantity	Part no.
Single core cable for lighting, signalling and other electrical equipment.					
Cables with cross-section of 4 sq. mm and greater can also be used as charging or starter cables.					
Layout: Bare, soft annealed CU wires, insulating sleeves of thermoplastic material (PVC).					
Short description: FLY Standard: DIN ISO 6722-3					
0.75	black	100 m	8KL 054 001-002	50 m	8KL 712 929-001
0.75	white	100 m	8KL 054 002-002	50 m	8KL 712 930-001
0.75	yellow	100 m	8KL 054 003-002	50 m	8KL 712 931-001
0.75	grey	100 m	-	50 m	8KL 712 929-011
0.75	green	100 m	8KL 054 004-002	50 m	8KL 712 929-001
0.75	red	100 m	8KL 054 005-002	50 m	8KL 712 933-001
0.75	blue	100 m	8KL 054 006-002	50 m	8KL 712 934-001
0.75	brown	100 m	8KL 054 007-002	50 m	8KL 712 935-001
1.0	black	100 m	8KL 054 008-002	50 m	8KL 712 936-001
1.0	white	100 m	8KL 054 009-002	50 m	8KL 712 937-001
1.0	yellow	100 m	8KL 054 010-002	50 m	8KL 712 938-001
1.0	green	100 m	8KL 054 011-002	50 m	8KL 712 939-001
1.0	red	100 m	8KL 054 012-002	50 m	8KL 712 940-001
1.0	blue	100 m	8KL 054 013-002	50 m	8KL 712 941-001
1.0	brown	100 m	8KL 054 014-002	50 m	8KL 712 942-001
1.5	black	100 m	8KL 712 943-002	50 m	8KL 712 943-001
1.5	white	100 m	8KL 712 944-002	50 m	8KL 712 944-001
1.5	yellow	100 m	8KL 712 945-002	50 m	8KL 712 945-001
1.5	grey	100 m	8KL 712 946-002	50 m	8KL 712 946-001
1.5	green	100 m	8KL 712 947-002	50 m	8KL 712 947-001
1.5	red	100 m	8KL 712 948-002	50 m	8KL 712 948-001
1.5	blue	100 m	8KL 712 949-002	50 m	8KL 712 949-001
1.5	brown	100 m	8KL 712 950-002	50 m	8KL 712 950-001
1.5	violet	100 m	8KL 712 951-002	50 m	8KL 712 951-001
1.5	green/red	-	-	50 m	8KL 717 460-001
1.5	grey/black	-	-	50 m	8KL 717 461-001
1.5	black/white	-	-	50 m	8KL 717 462-001
1.5	black/red	-	-	50 m	8KL 717 464-001
1.5	black/green	-	-	50 m	8KL 717 464-001
2.5	black	50	8KL 712 952-002	50	8KL 712 952-001
2.5	white	50	8KL 712 953-002	50	8KL 712 953-001
2.5	yellow	50	8KL 712 954-002		
2.5	grey	50	8KL 712 955-002	50	8KL 712 955-001
2.5	green	50	8KL 712 956-002		
2.5	red	50	8KL 712 957-002	50	8KL 712 957-001
2.5	blue	50	8KL 712 958-002	50	8KL 712 958-001
2.5	brown	50	8KL 712 959-002	50	8KL 712 959-001
4.0	black	25 m	8KL 712 960-002	50 m	8KL 712 960-001
4.0	yellow	25 m	8KL 712 961-002	50 m	8KL 712 961-001
4.0	red	25 m	8KL 712 962-002	50 m	8KL 712 962-001
4.0	blue	25 m	8KL 712 963-002	50 m	8KL 712 963-001
6.0	black	-	-	50 m	8KL 712 964-001
6.0	red	-	-	50 m	8KL 712 965-001
6.0	blue	-	-	50 m	8KL 712 966-001
10.0	black	-	-	50 m	8KL 712 967-001
10.0	red	-	-	50 m	8KL 712 968-001
16.0	black	-	-	50 m	8KL 712 969-001
25.0	black	-	-	50 m	8KL 712 970-001
35.0	black	-	-	50 m	8KL 712 971-001
50.0	black	-	-	50 m	8KL 712 972-001
Single (two) core cable for lighting, signalling equipment, etc.					
Layout: Bare, soft annealed CU wires, insulating sleeves of thermoplastic material (PVC).					
Short description: FLYYY Standard: DIN ISO 6722-3					
1 x 1.5	black	50 m	8KL 712 975-002	50 m	8KL 712 975-001
1 x 2.5	black	50 m	8KL 712 976-002	50 m	8KL 712 976-001
2 x 1.5	black	25 m	8KL 712 977-002	50 m	8KL 712 977-001
2 x 2.5	black	-	-	50 m	8KL 712 978-001
2 x 0.75	black	50 m	8KL 735 190-002	100 m	8KL 735 190-001
Flat cable suitable for loudspeakers and stereo equipment.					
Layout: Bare, soft annealed CU wires, insulating sleeves of thermoplastic material (PVC), 2 conductors connected by separate webs.					
Short description: XYFAZ Standard: DIN ISO 6722-3					
2 x 0.38	black/red	100 m	8KL 712 982-002	-	-
2 x 0.75	brown/brown-red	100 m	8KL 712 980-002	50 m	8KL 712 980-001
1.0 Ø 7 mm	black	-	-	50 m	8KL 712 984-001

Installation material

Cables



Cable cross-section sq. mm	Colour of insulation	Meter / Reel = Min. order quantity	Part no.	Meter / Coil = Min. order quantity	Part no.
Ignition cables. Suitable for use as high-tension ignition cable for non-shielded application.					
Layout: Bare, soft annealed fine stranded CU flex, insulating sleeves of thermoplastic material (PVC).					
Short description: FZLY Standard: DIN ISO 3808					
1.0 Ø 7 mm	black	-	-	50 m	8KL 712 984-001
Cable cross-section sq. mm	Colour of insulation	Color of individual leads		Meter / Coil = Min. order quantity	Part no.
Multi-core flat cables.					
Layout: Bare, soft annealed CU wires, insulating sleeves of thermoplastic material (PVC), conductors connected by separate webs.					
Short description: FLZY Standard: DIN ISO 6722-3					
2 x 0.5	black	black/red		100 m	8KL 054 017-001
4 x 0.5	black	blue/white/black/red		50 m	8KL 054 018-001
Light multi-core cable with plastic, round.					
Layout: Copper conductor, bare, fine wire, insulation and outer sheath made of PVC.					
Short description: FLYY Standard: DIN ISO 6722					
2 x 0.75	black	blue, brown		200 m	8KL 712 986-001
4 x 0.75	black	black, white, red, yellow		200 m	8KL 712 987-001
4 x 0.75	black	brown, white, red, green		200 m	8KL 712 988-001
6 x 0.75	black	black, brown, white, red, yellow, green		200 m	8KL 712 989-001
7 x 0.75	black	black, brown, blue, white, red green, yellow		200 m	8KL 712 990-001
8 x 0.75	black	black, brown, blue, white, red green, yellow, violet		100 m	8KL 198 465-001
Multi-core cable, round.					
Layout: Copper conductor, bare, fine wire, insulation and outer sheath made of PVC.					
Short description: FLYY Standard: DIN ISO 6722					
2 x 1.0	black	blue, brown		50 m	8KL 712 991-001
2 x 1.5	black	blue, brown		50 m	8KL 712 992-001
3 x 1.5	black	blue, brown, black		50 m	8KL 712 993-001
4 x 1.0	black	black, white, red, brown		50 m	8KL 712 994-001
4 x 1.5	black	black, white, red, brown		50 m	8KL 712 995-001
5 x 1.0	black	black, brown, white, red, blue		50 m	8KL 712 996-001
5 x 1.5	black	black, brown, white, red, blue		50 m	8KL 715 434-001
7 x 1.0	black	black, brown, blue, white, red green, yellow		50 m	8KL 715 435-001
7 x 1.5	black	black, brown, blue, white, red green, yellow		50 m	8KL 712 997-001
8 x 1.5	black	black, brown, white, red, blue, green, yellow, grey		50 m	8KL 713 735-001
Medium, multi-core cable with rubber hose line, round.					
Layout: Copper conductor, bare, fine wire and outer sheath made of rubber.					
Short description: 05-RR- Standard: DIN ISO 6722					
3 x 0.75	black	blue, brown, black		50 m	8KL 713 737-001
2 x 1.5	black	blue, brown		50 m	8KL 713 740-001
3 x 1.0	black	blue, brown, black		50 m	8KL 713 741-001
3 x 1.5	black	blue, brown, black		50 m	8KL 713 742-001
4 x 1.5	black	black, white, red, brown		50 m	8KL 713 744-001
5 x 1.5	black	black, brown, white, red, blue		50 m	8KL 715 436-001
7 x 1.5	black	black, brown, blue, white, red green, yellow		50 m	8KL 715 437-001
15-core cable.					
Layout: Bare, soft annealed CU wires, insulation and outer sheath made of thermoplastic material (PVC).					
Colour and numbering of individual conductors correspond to Standard ISO 4141-3.					
Short description: FLYY Standard: DIN ISO 6722					
12 x 1.5	black	brown, black, red, blue, yellow, green, grey, pink white/green, white/blue, white/black, white/brown		25 m	8KL 742 810-001
3 x 2.5		white, red/white, orange			
Special welding cable for connection to automatic and manual welders.					
Layout: Copper conductor, bare, fine wire, outer sheath made of rubber.					
Short description: H01N2-D Standard: VDE 0202 Part 6 and HD 22.6 S2.					
16.0	black	-		50 m	8KL 713 750-001
25.0	black	-		50 m	8KL 713 751-001
35.0	black	-		50 m	8KL 713 752-001
50.0	black	-		50 m	8KL 713 753-001
70.0	black	-		25 m	8KL 713 753-011
95.0	black	-		25 m	8KL 713 753-021
Multi-core PVC cable Short description: FLRY					
2 x 1.0	black	brown, white		100 m	8KL 178 452-002
2 x 1.0	black	black, white		100 m	8KL 178 452-012
5 x 1.0 / 1 x 2.0	black	(1.0) black/brown, blue, green/yellow, red, violet, (2.5) white		50 m	8KL 178 453-002
8 x 1.5 / 1 x 2.5	black	(1.5) black, brown, blue, green, grey, yellow, red, violet, (2.5) white		50 m	8KL 178 454-002
10 x 1.5 / 3 x 2.5	black	(1.5) brown, blue, green, yellow, violet, white, orange, white/blue, white/black, white/red (2.5) black, grey, red		25 m	8KL 178 456-002
12 x 1.5 / 3 x 2.5	black	white/brown, white/green, white/black, (2.5) white, orange, white/red (with data pair)		25 m	8KL 178 451-002



Cable cross-section sq. mm	Colour of insulation	Color of individual leads	Meter / Coil = Min. order quantity	Part no.
PVC flat lead Short description: FLFY				
2 x 0.75	black	blue, brown	50 m	8KL 177 729-002
2 x 1.5	black	blue, brown	50 m	8KL 177 729-012
2 x 2.5	black	blue, brown	50 m	8KL 177 729-022
2 x 1.5	black	black, white	50 m	8KL 177 729-112
2 x 1.5	grey	black, white	50 m	8KL 177 729-212
PVC Hose Line Short description: H05 VV-F				
2 x 0.75	black	blue, brown	100 m	8KL 177 370-032
2 x 1.0	black	blue, brown	100 m	8KL 177 370-042
2 x 1.5	black	blue, brown	100 m	8KL 177 370-052
Rubber Hose Line Short description: H05 RR-F				
2 x 0.75	black	blue, brown	100 m	8KL 713 740-042
2 x 1.0	black	blue, brown	50 m	8KL 713 740-032
Loudspeaker cable Short description: XYFAZ				
2 x 0.75	Lead 2	-	100 m	8KL 712 980-032





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Rear view camera system for universal flush and surface mounting

RVS-1

Contents:

High-quality RVC-1 rear view camera, incl. 5-inch TFT monitor and 10 m professional harness as well as installation material.

- Is automatically activated when engaging reverse gear
- Compact TFT monitor with an overall diagonal display measurement of 12.6 cm.
Also suitable for connection to other video sources (DVD, DVB-T, etc.).
- Image signal: NTSC
- All components meet the high quality requirements of the automotive industry

Part no.	Pk.	
5BD 009 690-001	1	Rear view camera system, 12V



RVC-1

Rear view camera with 500 mm connecting lead and installation material.

- Small dimensions (W x H x D with holding bracket: 56 x 47 x 38 mm)
- Extremely large visual range: 92° vertical and 120° horizontal
- Extremely high vibration resistance
- Operating temperature: -40 °C to +85 °C
- Variable surface-mounting possibilities (e.g. to tailgates, spoilers, grip rails)
- High-quality, digital image capture: 1/3 inch CMOS with 250.000 pixels
- It is also possible to connect the camera to many displays already present in the vehicle
- Image signal: NTSC

Part no.	Pk.	
5BD 166 175-001	1	Rear view camera system, 12V
		Accessories:
8KB 166 530-001	1	Connection cable, 10 m Adapter harness for the connection of the RVC-1 rear view camera
8KB 169 080-001	1	to players with a cinch output for the connection of video sources
8KB 169 079-001	1	with cinch output to the monitor
		Accessories for RVS-1 and RVC-1:
8ES 006 658-001	1	Voltage transformer for rear view camera with 24V operating voltage
9BG 169 974-001	1	Housing for rear view camera
9BG 169 975-001	1	Housing for rear view camera and LED safety brake light
2DA 343 800-001	1	LED safety brake light, 12V1.8W



Battery control units

for caravans, mobile homes, boats, tractors, construction machines, etc. with 12V on-board networks. As an integrated battery sensor, IBScontrol permanently determines the current state of charge of the battery and calculates the aging and remaining running time taking into account the current power consumption. Moreover, the IBScontrol can actively deactivate consumers via four individually programmable switch outputs or can warn the user of an empty battery by if a threshold has been programmed.

The IBScontrol offers a high degree of precision due to battery-specific adjustment and presents all important information at a glance.

Technical data:

- Supply voltage: 6 - 18V
- Working temperature range: -40 °C up to +105 °C
- Working current range: -200A up to +200A
- Max. current measuring range: -1200A up to +1200A
- Max. battery capacity: 249Ah
- Installation area: engine compartment, interior
- Type of protection: IP 6K9K
- Power consumption at 12V:
 - in operation: approx. 15 mA
 - during operation: approx. 15 mA
 - in standby mode: <1 mA
- Saving energy with automatic switch-off
- Data recording on microSD card
- Graphic colour display

Contains:

- IBScontrol display (high-sheen, black)
- IBS battery sensor
- Battery pole adapter
- Completely prefabricated wire harness
- Operating/mounting instructions (CD Rom)
- Mounting assembly (screw, cable tie, mounting plates depending on variant)



Part no.	Pk.	
6PY 178 103-811	1	Battery control unit IBScontrol set for surface mounting
6PY 178 103-831	1	Battery control unit IBScontrol set for flush mounting
		Accessories:
		Contains:
		- IBS battery sensor
		- Battery pole adapter
		- Completely prefabricated wire harness
6PY 178 103-841	1	Battery control device extension set for 2 batteries

Battery chargers

Mini-Charger 6

Automatic charger for 6V and 12V batteries.
 Housing flame resistant plastic.
 Overload protection for reliable operation,
 with LED charge indicator.
 Pole clips with particularly strong pressure springs
 for reliable contact with battery poles.
 With polarity reversal protection.
 Suitable for gel batteries.



Technical data:

- 230V/50Hz; 10W
- Charging current at: 6V -> 0,8 Ampere, 12V -> 0,6 Ampere
- Automatic switch-off
- Charging curve WU
- Length of cable: 1950 mm
- CE approved

Part no.	Pk.	
8ES 006 266-011	1	Battery charger Mini-Charger

High frequency battery charger

Fully automatic 7A high-frequency charger with eight-step charge curve.
 Eminently suitably for caravans, mobile homes, boats and cars.
 LED display and capacitive pushbutton for easy and
 safe operability.

Battery diagnostics function for the battery state of charge.
 A special reconditioning function to restore deeply discharged batteries
 that have formed an acid layer,
 a unique maintenance charging function, a special mode
 to optimise charging on cold winter days,
 and the ability to charge demanding AGM batteries.
 Thanks to the power supply mode the battery can be disconnected
 without losing vital configurations.

Trickle charge function. Suitable for battery capacities from 14 - 150Ah.
 For 12V lead-acid (wet, maintenance-free, Ca/Ca), AGM and gel batteries.
 Type of protection: IP65.

Technical data:

- 220-240V AC; 50 - 60 Hz
- Voltage: 12V
- Charging current: 7A
- 8-stage charging curve
- Battery capacity 14 - 150Ah, up to 225Ah in trickle charge mode
- LED display
- Weight: approx. 800g
- Dimensions: 200 mm x 60 mm x 80 mm
- CE tested



Contents:

- High frequency battery charger
- Terminals
- 1500 mm long connection lead
- Operating instructions
- Protective cover

Part no.	Pk.	
8ES 004 417-081	1	Battery charger

High frequency battery charger

During repair and maintenance work on the vehicle, the high-frequency charger helps to keep the battery voltage within the prescribed range and balance the power output.

This ensures that the battery is always fully charged after servicing.

Technical data:

- Areas of use: 12V / 24V lead-acid, AGM and gel batteries
- Mains current 6.3 - 4.4A rms
- Output current 70A / 35A (max. 30 sec.)
- Max. continuous current 50A / 25A
- Charging voltage max. 15.8V / 31.6V
- Battery capacity 40-1500Ah at 12V, 20-750Ah at 24V
- LED display of charge status, charge voltage, charge current, charge time (h) and energy (Ah)
- Weight: 3600 g
- Dimensions: 332 mm x 178 mm x 80 mm
- CE tested
- Type of protection: IP20

Contents:

- High frequency battery charger
- Terminals
- 5000 mm long connection lead
- Operating Instructions
- Plastic case



Part no.	Pk.	
8ES 004 417-251	1	High frequency battery charger, 70A

Battery tester Basic

Battery tester for 12V starter batteries, lead-acid and AGM. Provides an exact statement about the state of the battery in seconds.

The tester is powered up to 5.5V by the battery being tested.

Standards: EN, DIN, SAE, IEC, JIS

Technical data:

- LCD/LED display 4 characters as LCD and 3 LED displays
 - Cable length: 40 cm
 - Voltmeter: 5.5 - 19.99V DC
 - Working range
 - 200-900A EN/SAE
 - 120-550A DIN/ICE
 - Weight: 295 g
 - Dimensions: 200 mm x 95 mm x 40 mm
- JIS code table on the back

Contents:

- Test unit
- Terminals
- 400 mm long connection lead
- Operating instructions



Part no.	Pk.	
8PD 009 734-021	1	Battery tester Basic

High frequency battery charger, Battery tester



Battery tester with integrated printer

Battery tester to check 6V / 12V batteries and 12V / 24V charging systems. Equipped with a selection switch for battery types VRLA / GEL / AGM or standard SLI starter batteries.

With LCD display and integrated thermal printer.

Possible to display "state of health" - battery capacity compared to original (functional state) and "state of charge" (charge level).

Batteries do not discharge during the test.

No sparks on connection or during the measuring process.

Applicable: 40 - 2000 CCA (SAE).

Also useable for deeply discharged batteries up to 1.5V and batteries with a capacity of from 2 to 200Ah.

Integrated voltmeter for 1.5 – 30V.

Standards: SAE, EN, IEC, DIN, JIS.



Technical data:

- Application range: 6V / 12V starter batteries and 12V / 24V charging systems

- LCD display and printer

- Integrated voltmeter 1.5 – 30V

- Working range: 40 - 2000 CCA (SAE)

- 8 pre-programmed languages: (EN, ES, FR, DE, IT, PT, CN, JP)

- Extension possible

- Weight: 600 g

Dimensions: 250 mm x 145 mm x 65 mm

Contents:

- Test unit

- Terminals

- 1750 mm long connection lead

- Operating instructions

- Plastic case

Part no.	Pk.	
8PD 009 734-011	1	Battery tester with integrated printer

Battery tester for checking 6V / 12V batteries SLI, AGM, AGM spiral and gel batteries (cars, motorbikes and trucks).

Quick and precise information about the battery condition -

ideal for warranty assessments, plus a special mode

for assessing the quality of new unused batteries.

The tester is powered by the battery being tested and

the six integrated AA batteries.

Standards: EN, DIN, SAE, IEC, JIS.

Technical data:

- LCD display and printer

- Operating temperature: 0°C to +50°C

- 24 pre-programmed languages

- Voltage range: 1 - 30V DC

- Test range

100-1200A DIN/IEC/CCA

100-2000A EN/SAE

- Weight: 771 g

Dimensions: 270 mm x 100 mm x 50 mm

- Acid-resistant ABS plastic

Contents:

- Test unit

- Terminals

- 1220 mm long connection lead

- Operating instructions

- Carry bag



Part no.	Pk.	
8PD 009 734-031	1	Battery tester Profi with integrated printer
8XX 009 778-011	1	Accessories: Upgrade for system test



Anti-freeze tester

Professional test instrument for determining anti-freeze protection temperature.

New design of intake system prevents bubble formation and run-pout.
Measurement independent of cooling water temperature and ethylene glycol concentration.

Measuring tolerance less than ± 1 %.

Part no.	Pk.	
8PD 006 542-001	1	Anti-freeze tester



Circuit tester

For vehicles with 6V, 12V, or 24V-systems.

For quick fault tracing in vehicle electrical systems.

Part no.	Pk.	
8PD 003 798-001	1	Circuit tester



Tyre pressure tester

inclusive transport box.

Part no.	Pk.	
8PD 006 535-001	1	Tyre pressure tester metal version, scale range: 0 - 4 bar
8PD 006 536-001	1	plastic version, scale range: 0 - 3.9 bar



Engine test unit

For 4-, 6- and 8- cylinder engines.
Case made of shock-resistant plastic.

Contains:

1 storage for ignition timing light 8PD 004 835-001
1 compression tester 8PD 004 838-001
1 engine tester

Part no.	Pk.	
8PD 004 839-801	1	Engine test set

For 4, 6 and 8 cylinder engines.

For 12V vehicle electric system with standard and transistor ignition.
With stroboscope, dwell angle meter, tachometer and voltmeter.

Test capacities:

Measurement of the ignition time with simultaneous engine speed measurement:
4 cylinders 0 - 2400 rpm.
6 cylinders 0 - 1800 rpm.
8 cylinders 0 - 1200 rpm.
Measurement of the dwell angle:
4 cylinders 30° - 90°
6 cylinders 20° - 60°
8 cylinders 15° - 45°
DC voltage: 0-16V.



Part no.	Pk.	
8PD 004 834-001	1	Ignition timing adjustment device
9MK 717 686-001	1	Spare parts: Inductive terminal

For 12V vehicle electric system.

For exact adjustment of ignition timing for all petrol engines.
With stroboscope.
Intensive Xenon light for clear detection of the marks for ignition timing.



Part no.	Pk.	
8PD 004 835-001	1	Ignition timing adjustment rod
9MK 717 686-001	1	Spare parts: Inductive terminal

For 12V vehicle electric system with standard and transistor ignition.
With stroboscope, dwell angle meter, tachometer and voltmeter.
Large digital display makes it easy to read off the measured values and measuring parameters.



Test capacities:

Measurement of the ignition timing, taking into account the ignition timing adjustment angle of 0° - 40°, with simultaneous measurement of the engine speed.
Speed: 0 - 1000 rpm. Contact angle: 0° - 90°. DC voltage: 9 - 16V.

Part no.	Pk.	
8PD 006 354-011	1	Ignition timing adjustment device

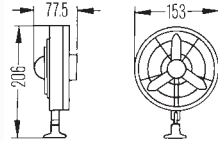
For the early detection of unequal cylinder compression.

Test capacities:

Pressure measurement: 0 - 21 bar, 0 - 300 psi.



Part no.	Pk.	
8PD 004 838-001	1	Compression tester



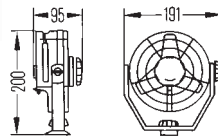
Fans

Jet

Powerful fan for a pleasant breeze or a powerful flow of air. 130 mm propeller. On/off switch on housing. With 1500 mm cable for permanent attachment/plug connection. Simple to fit. Can be fixed in any position. Minimum service life 1500 hrs.

Air flow:
40 litres per sec.

Part no.	Pk.	
8EV 006 239-001	1	Fan, 12V



Turbo

Two stage switch regulates the current of air. Can be swivelled in all directions and fixed in any position. 150 mm propeller is protected by a grille. With 1550 mm connection cable. Minimum service life 5000 hrs.

Air flow:
Stage 1: 70 litres per sec.
Stage 2: 95 litres per sec.

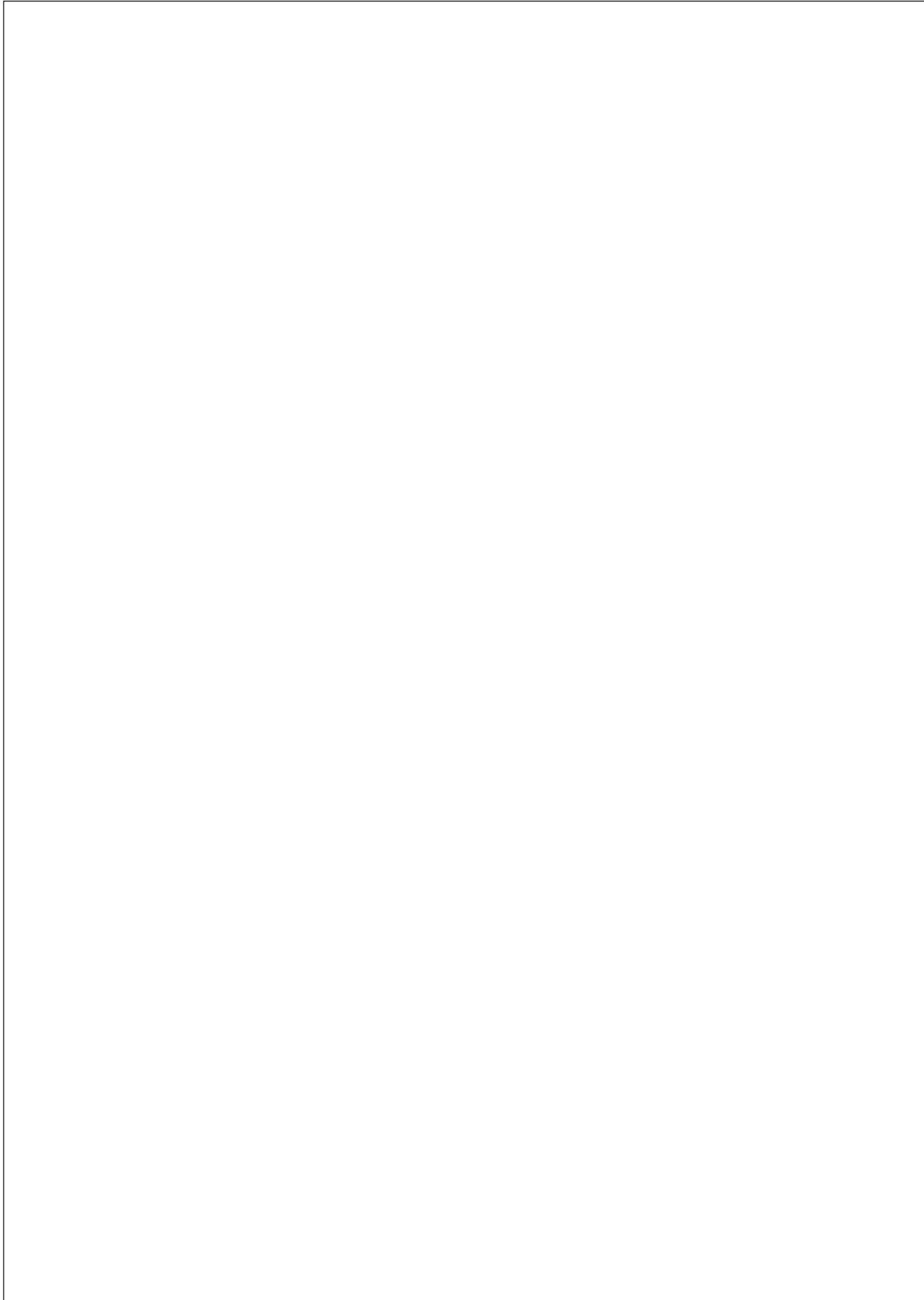
Part no.	Pk.	
8EV 003 361-001	1	Fan, 12V
8EV 003 361-011	1	24V

Air foot pumps

For cars, caravans, motorcycles and bicycles. For recreation and camping equipment.



Part no.	Pk.	
8TM 003 791-002	1	210 cm ³ per stroke.
		Single cylinder air foot pump
8TM 003 792-001	1	420 cm ³ per stroke.
		Double cylinder air foot pump





List of part- and type approval numbers Manufacturer's no. / HELLA no.

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List of part numbers

10.02-10.09

Vehicle manufacturer's no. / HELLA no.

10.10-10.40

List of type approval numbers / HELLA numbers

10.42-10.43

List of HELLA numbers / type approval numbers

10.44-10.45

Note:

The original numbers listed in the manufacturer number - HELLA number comparison serve exclusively for comparison purposes and are not to be used otherwise.

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Cross-reference



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440 8159	8TG 008 570-027	KDWHLO9143	9XT 713 630-031	561 0569	8SB 560 991-041	0201010071	4RW 008 188-021
605 3431 60	8TG 008 570-027	KDWHLO9163	8JD 005 993-001	561 0573	8SB 003 978-001	0201010072	4RW 008 188-031
60693732	6NM 007 878-041	KDWHLO9163	8JD 005 993-002	5610146	9EY 117 127-001	0201010073	4RW 008 188-041
113 955 975 B	6NM 007 878-041	KDWHLO9164	8JD 005 993-021	5610219	9EY 117 124-001	0201010074	4RW 008 188-051
171 911 261	6NM 007 878-041	KDWHLO9211	6HD 002 535-031	5610343	8SB 002 991-001	0201010075	4RW 008 188-061
171 911 261 A	8TW 006 848-021	KDWHLO9211	8JA 001 915-001	5610399	8SB 002 994-001	0201010076	4RW 008 188-071
171 911 261 B	6NM 007 878-531	KDWHLO9217	8JB 001 935-031	5610405	9EY 117 129-001	GR01	4RW 008 188-171
171 911 261 C	4RP 008 189-081	KDWHLO9217	2AA 001 200-131	5610499	8SB 003 609-061	GR31	4RW 008 188-181
171 911 261 D	4RP 008 189-081	KDWHLO9223	2AA 001 200-151	5610502	8SB 560 991-012	GR54	4RW 008 188-321
171 911 261 E	4RP 008 189-081	KDWHLO9224	2AA 003 257-041	5619347	9EY 111 230-001	GR59	4RW 008 188-081
183 925 069	4RP 008 189-091	KDWHLO9225	2AA 003 257-042	5619348	9EY 117 126-001	GR64	4RW 008 188-161
191 911 261 A	4RP 008 189-061	KDWHLO9230	2AA 001 204-001	5619348	8KV 002 139-001	GR65	4RW 008 188-091
191 911 261 C	4RW 008 188-191	KDWHLO9233	8JA 001 921-102	5730045	8KV 002 133-001	GR66	4RW 008 188-101
191 955 681	6NM 007 878-531	KDWHLO9237	8JB 002 286-031	5730160			
195 0511 0430	8TW 006 849-031	KDWHLO9245	6ZF 003 549-021				
195 0511 0430 0	4RP 008 189-081	KDWHLO9246	6ED 004 778-011				
440 8159	4RP 008 189-081	KDWHLO9246	4DM 003 360-021				
605 3431 60	4RP 008 189-091	KDWHLO9250	4DM 003 360-027				
60693732	4RP 008 189-061	KDWHLO9250	8JD 005 235-002				
113 955 975 B	4RP 008 189-071	KDWHLO9256	8KL 712 980-001				
171 911 261	4RP 008 189-071	KDWHLO9280	8KL 712 980-002				
171 911 261 A	4RP 008 189-061	KDWHLO9280	6ED 001 563-021				
171 911 261 B	4RP 008 189-061	KDWHLO9284	6ED 004 778-031				
171 911 261 C	4RP 008 189-061	KDWHLO9284	6ZF 003 549-001				
171 911 261 D	4RP 008 189-071	KDWHLO9306	8HL 707 877-012				
171 911 261 E	4RP 008 189-071	KDWHLO9306	5WA 001 871-041				
183 925 069	4RW 008 188-171	KDWHLO9323	4RA 965 400-001				
191 911 261 A	4RW 008 188-171	KDWHLO9324	8JA 713 631-001				
191 911 261 C	4RW 008 188-171	KDWHLO9335	8JA 713 631-007				
191 955 681	4RW 008 188-181	KDWHLO9337	8JA 715 600-001				
195 0511 0430	4RW 008 188-181	KDWHLO9402	8KX 716 405-001				
195 0511 0430 0	6ED 004 778-001	KDWHLO9431	6FG 002 315-001				
440 8159	6NM 007 282-211	KDWHLO9437	8KV 002 127-021				
605 3431 60	6NM 007 878-531	KDWHLO9437	6ED 001 563-001				
60693732	6NM 007 878-531	KDWHLO9444	6ED 001 563-003				
113 955 975 B	6NM 007 878-521	KDWHLO9453	6ED 001 563-004				
171 911 261	4RW 008 188-181	KDWHLO9456	8JD 002 291-001				
171 911 261 A	4RW 008 188-171	KDWHLO9456	6EH 004 570-021				
171 911 261 B	8JB 004 123-001	KDWHLO9456	6EH 004 570-027				
171 911 261 C	8JB 004 123-002	KDWHLO9467	9XT 713 630-281				
171 911 261 D	6NM 007 878-541	KDWHLO9497	6EK 001 559-001				
171 911 261 E	6NM 007 878-541	KDWHLO9498	6EK 001 559-007				
183 925 069	8JA 001 921-102	KDWHLO9498	2AA 003 257-031				
191 911 261	8JB 004 123-001	KDWHLO9498	9XT 713 630-461				



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Cross-reference

BMW	HELLA	Bomag	HELLA	Bosch	HELLA	Bosch	HELLA
1 367 309	3AL 002 952-861	057 551 17	6FH 004 570-501	0 335 320 900	5WA 001 871-041	1 901 360 810	8KW 043 636-003
1 367 309	3AL 002 952-867	057 551 18	6RH 004 570-351	0 336 207 006	4DM 003 360-021	1 901 360 820	8KW 700 143-003
1 367 310	3AL 002 952-811	057 551 54	9XT 713 630-251	0 336 207 006	4DM 003 360-027	1 901 360 821	8KW 044 032-003
1 367 310	3AL 002 952-817	057 551 55	9XT 713 630-271	0 340 603 001	6AJ 001 751-021	1 901 360 821	8KW 044 032-004
1 367 312	3AL 002 952-811	057 551 56	9XT 713 630-711	0 340 603 004	6AJ 001 751-021	1 904 520 015	8JS 704 073-003
1 367 312	3AL 002 952-817	057 551 57	9XT 713 630-421	0 340 604 001	6AJ 001 751-021	1 904 520 016	8JS 025 889-003
1 368 589	8TW 004 223-031	057 551 59	9XT 713 630-481	0 341 002 003	6EK 001 559-001	1 904 520 017	8JS 091 603-003
1 368 585	8TW 004 223-031	057 551 60	9XT 713 630-701	0 341 002 003	6EK 001 559-007	1 904 520 018	8JS 089 015-003
1 369 010	8JB 004 123-001	057 551 60	9XT 713 630-131	0 341 201 006	6ZE 001 759-051	1 904 520 914	8JS 025 889-801
1 369 010	8JB 004 123-002	057 551 72	4DB 006 716-041	0 341 500 801	6EG 001 567-041	1 904 520 917	8JS 091 603-801
1 370 805	6ZF 004 365-041	057 556 49	8KV 002 139-001	0 341 500 803	6FG 002 315-001	1 904 520 918	8JS 089 015-801
1 371 557	3AF 003 399-051	05767385	3AL 922 200-761	0 352 070 009	8JB 001 943-001	1 904 529 002	8JS 003 481-803
1 371 851	4DB 003 750-721	321 100 75	9XT 713 630-121	0 352 070 009	8JB 001 943-003	1 904 529 901	8JS 711 683-002
1 372 021	4DM 003 360-021	321 100 76	9XT 713 630-141	0 352 070 011	8JB 001 941-001	1 904 529 902	8JS 711 683-052
1 372 021	4DM 003 360-027	321 102 89	8JS 711 686-002	0 352 070 011	8JB 001 941-002	1 904 529 903	8JS 711 684-002
1 373 893	8JB 004 123-001	321 102 89	8JS 711 686-007	0 352 070 012	8JB 001 943-001	1 904 529 904	8JS 711 685-002
1 373 893	8JB 004 123-002	U-3715947	2AA 001 200-131	0 352 070 012	8JB 001 943-003	1 904 529 905	8JS 711 686-002
1 375 689	6EJ 001 569-001	U-4102141	2AA 001 200-041	0 352 070 014	8JB 001 943-011	1 904 529 905	8JS 711 686-007
1 378 999	8JB 005 949-001	U-4149099	6JF 001 571-041	0 352 130 001	8JA 002 263-001	1 904 529 906	8JS 711 687-002
1 380 068	8TW 006 848-031	U-4149099	6JF 001 571-047	0 352 170 003	8JA 001 930-001	1 904 529 906	8JS 711 687-007
1 382 153	8JA 005 952-001	U-7270011	6JF 001 571-001	0 352 170 003	8JA 001 930-003	1 904 529 907	8JS 711 688-002
1 390 888	9SG 703 965-007	Bosch	HELLA	0 352 170 004	8JA 001 918-002	1 904 529 908	8JS 711 689-002
1 393 863	8WV 115 095-001	0 250 201 933	4RV 008 188-171	0 352 170 004	8JA 001 918-021	1 904 529 909	8JS 711 690-002
16 11 1 106 486	8XY 004 716-001	0 250 201 952	4RV 008 188-081	0 352 170 005	8JA 001 930-001	1 904 529 909	8JS 711 690-007
16 11 1 106 487	8XY 004 716-001	0 250 201 953	4RV 008 188-001	0 352 170 005	8JA 001 930-003	1 904 529 909	8HL 717 962-001
16 11 1 179 872	8XY 007 022-001	0 250 201 953	4RV 008 188-021	0 352 171 001	8JA 003 831-001	1 904 529 909	8HL 717 962-011
2 230 248	2AA 003 257-031	0 280 230 009	4RP 008 189-111	0 352 220 001	8JB 002 281-001	1 987 352 009	8HL 717 962-021
2 230 249	2AA 003 257-021	0 281 003 005	4RV 008 188-281	0 352 220 001	8JB 002 281-002	1 987 352 010	8KL 054 002-002
2 230 250	2AA 003 257-011	0 281 003 006	4RV 008 188-301	0 352 221 001	8JB 004 123-001	1 987 352 915	8KL 054 002-002
32 64 0 308 01	8JB 004 777-001	0 281 003 006	4RV 008 188-321	0 352 221 001	8JB 004 123-002	1 987 352 916	8KL 054 005-002
32 64 0 308 01	8JB 004 777-002	0 281 003 009	4RV 008 188-321	0 352 222 006	8JB 001 946-031	1 987 352 917	8KL 054 006-002
4 140 972	8KV 705 123-002	0 281 003 012	4RV 008 188-301	0 352 222 006	8JB 001 946-041	1 987 352 918	8KL 054 007-002
4 140 972	8KV 705 123-004	0 281 003 096	4RV 008 188-371	0 352 222 006	8JB 002 286-021	1 987 352 920	8KL 054 007-002
4 192 725	6EK 002 843-001	0 281 003 098	4RV 008 188-221	0 352 222 006	8JB 002 286-031	1 987 352 921	8KL 054 001-002
4 192 725	6EK 002 843-003	0 281 003 098	4RV 008 188-181	0 352 222 007	8JB 001 946-041	1 987 352 922	8KL 054 009-002
4 192 725	6EK 002 843-007	0 281 003 099	4RV 008 188-191	0 352 222 008	8JB 001 946-031	1 987 352 923	8KL 054 012-002
61 13 1 375 689	6EJ 001 569-001	0 307 851 327	6NM 004 375-311	0 352 222 008	8JB 001 946-001	1 987 352 924	8KL 054 010-002
61 13 1 378 999	8JB 005 949-001	0 307 851 347	6NM 007 282-211	0 352 222 012	8JB 004 777-011	1 987 352 925	8KL 054 013-002
61 13 1 382 153	8JA 005 952-001	0 307 852 309	6NM 004 375-311	0 352 222 012	8JA 001 925-001	1 987 352 926	8KL 054 011-002
61 31 1 351 317	4RA 965 400-001	0 310 152 006	2AA 003 257-041	0 352 320 001	8JA 002 262-001	1 987 352 928	8KL 054 014-002
61 31 1 353 789	4RA 965 400-001	0 310 152 006	2AA 003 257-042	0 352 321 001	8JA 002 262-003	1 987 352 929	8KL 054 008-002
61 31 1 357 049	8JB 001 946-021	0 310 153 002	2AA 001 204-001	0 352 321 006	8JA 002 252-101	1 987 529 001	8JS 003 481-823
61 31 1 357 049	8JB 001 946-022	0 310 153 004	2AA 001 204-031	0 352 321 006	8JA 002 252-103	1 987 529 009	8JS 711 683-903
61 31 1 362 792	6ZF 004 365-011	0 310 153 010	2AA 001 204-011	0 352 321 007	8JA 002 252-101	1 987 529 018	8JS 728 595-131
61 31 1 364 936	6JF 001 571-041	0 320 043 010	3AL 002 952-861	0 352 321 007	8JA 002 252-103	1 987 529 019	8JS 728 595-141
61 31 1 364 936	6JF 001 571-047	0 320 043 011	3AL 002 952-817	0 352 321 007	8JA 004 667-001	1 987 529 020	8JS 728 595-151
61 31 1 367 158	4DM 003 360-021	0 320 043 011	3AL 002 952-817	0 354 010 001	8KV 002 127-003	1 987 529 021	8JS 728 595-161
61 31 1 367 158	4DM 003 360-027	0 320 043 020	3AL 002 952-861	0 354 010 001	8KV 002 127-007	1 987 529 022	8JS 728 595-171
61 31 1 370 805	6ZF 004 365-041	0 320 043 020	3BA 002 952-867	0 354 010 001	8KV 002 136-011	1 987 529 023	8JS 728 595-181
61 31 1 371 851	4DB 003 750-721	0 320 043 110	3BA 002 958-082	0 354 020 001	8JD 002 289-001	1 987 529 025	8JS 728 596-081
61 31 1 372 021	4DM 003 360-021	0 320 143 111	3BA 002 768-551	0 354 040 001	8JD 002 294-001	1 987 529 026	8JS 728 596-101
61 31 1 372 021	4DM 003 360-027	0 320 143 111	3BB 002 768-661	0 354 060 001	8JD 002 294-002	1 987 529 027	8JS 728 596-121
61 31 1 373 893	8JB 004 123-001	0 320 143 902	3BA 002 768-382	0 354 060 001	8JD 002 291-001	1 987 529 028	8JS 728 596-131
61 31 1 373 893	8JB 004 123-002	0 320 146 101	3AF 003 399-041	0 392 003 500	8TW 004 223-031	1 987 529 029	8JS 728 596-111
61 31 1 390 388	9SG 703 965-007	0 320 223 002	3AF 003 399-051	0 392 003 501	8TW 004 223-031	1 987 529 030	8JS 728 596-141
61 33 1 357 088	3BA 002 768-551	0 320 223 008	3AF 003 399-041	0 392 040 003	8TW 005 496-011	1 987 529 031	8JS 728 596-151
61 33 1 357 088	3BA 002 768-082	0 320 223 008	3AF 003 399-051	0 392 040 003	8TW 005 496-011	1 987 529 032	8JS 728 596-161
61 33 1 367 309	3AL 002 952-861	0 320 223 010	3AF 003 399-051	0 986 310 093	2AA 003 257-041	1 987 529 033	8JS 728 596-091
61 33 1 367 309	3AL 002 952-867	0 320 223 010	3AG 003 399-801	0 986 310 093	2AA 003 257-042	1 987 529 034	8JS 728 596-171
61 33 1 367 310	3AL 002 952-811	0 320 226 002	3AG 003 399-801	0 986 340 002	6ZF 004 365-041	1 987 529 036	8JS 711 683-003
61 33 1 367 310	3AL 002 952-817	0 320 226 003	3AF 003 399-061	0 986 352 000	8JA 002 262-001	1 987 529 039	8JS 728 595-191
61 33 1 367 312	3AL 002 952-817	0 328 003 002	3AF 003 399-071	0 986 352 000	8JA 002 262-003	1 987 529 039	8JS 713 564-002
61 33 1 367 312	3AL 002 952-817	0 328 003 024	3PD 003 001-671	0 986 352 002	8JA 005 952-001	1 987 529 039	8JS 713 805-003
61 33 1 371 557	3AL 002 952-817	0 328 003 025	3PB 003 001-651	0 986 352 003	8JB 005 949-001	1 987 529 903	8JS 713 806-003
61 35 1 392 414	4DB 006 716-041	0 328 006 002	3PD 003 001-671	0 986 352 004	8JA 005 951-001	1 987 529 903	8JS 713 807-003
61 66 1 368 569	8TW 004 223-031	0 328 100 002	3PB 003 001-661	0 986 352 004	8JA 005 951-003	1 987 529 905	8JS 713 808-003
61 66 1 368 585	8TW 004 223-031	0 332 014 119	3PB 005 411-001	0 986 352 005	8HG 005 953-001	1 987 531 000	8JS 742 902-001
61 66 1 380 068	8TW 006 848-031	0 332 014 119	4RA 007 793-031	0 986 352 011	8JB 005 949-001	1 987 531 001	8JS 742 902-011
61 66 1 393 863	8WV 115 095-001	0 332 014 134	4RA 007 793-037	0 986 352 012	8JB 005 949-011	1 987 531 002	8JS 742 902-021
62 10 7 740 038	2AA 003 257-001	0 332 014 134	4RA 007 791-017	0 986 352 013	8JB 005 949-012	1 987 531 003	8JS 742 902-031
62 14 2 230 248	2AA 003 257-031	0 332 014 213	4RA 933 791-081	0 986 352 013	8JA 005 951-001	1 987 531 004	8JS 742 902-041
62 14 2 230 249	2AA 003 257-021	0 332 014 409	4RA 965 400-001	0 986 352 014	8JA 005 951-003	1 987 531 005	8JS 742 902-061
62 14 2 230 250	2AA 003 257-011	0 332 017 100	4RA 007 813-011	0 986 352 014	8HG 005 953-001	1 987 531 006	8JS 742 902-051
67 12 8 362 154	8TW 006 848-041	0 332 017 100	4RA 007 813-017	0 986 352 800	8JA 002 262-001	1 987 531 007	8JS 742 902-071
67 12 8 377 612	8TW 006 848-041	0 332 019 110	4RA 007 791-021	0 986 352 800	8JA 002 262-003	1 987 531 009	8JS 742 901-081
67 12 8 377 613	8TW 006 849-031	0 332 019 150	4RA 9				

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Cross-reference



Bosch	HELLA	Bosch	HELLA	Bremi	HELLA	Bremi	HELLA
3 397 008 581	9XW 197 765-201	7 781 700 028	8KV 744 860-003	10142	8KW 044 022-003	10695/1	8KL 712 967-001
3 397 008 582	9XW 197 765-211	7 781 700 032	8KW 044 041-003	10142SB	8KW 044 022-822	10696	8KL 712 993-001
3 397 008 583	9XW 197 765-221	7 781 999 550	8KW 044 022-822	10142V	8KW 708 374-003	10697	8KL 712 995-001
3 397 008 584	9XW 197 765-231	7 781 999 552	8KW 044 028-812	10143	8KW 044 024-003	10810	8JB 004 123-001
3 397 008 585	9XW 197 765-241	7 781 999 572	8KW 044 288-812	10144	8KW 044 023-003	10813	8JA 002 252-103
3 397 008 587	9XW 197 765-261	7 781 999 575	8KW 044 022-822	10144/9,5	8KW 700 142-003	10813	8JA 004 667-001
3 397 018 150	9XW 184 107-201	7 781 999 576	8KW 044 033-812	10145	8KW 044 280-003	10908B	2AA 001 200-001
3 397 018 155	9XW 184 107-221	7 781 999 577	8KW 044 027-812	10146	8KW 044 033-002	10908GE	2AA 001 200-031
3 397 018 163	9XW 184 107-261	7 781 999 578	8KW 044 028-812	10146SB	8KW 044 033-812	10908GR	2AA 001 200-021
3 397 018 166	9XW 184 107-241	7 781 999 578	8KW 044 027-812	10147	8KW 045 145-003	10908R	2AA 001 200-011
3 397 018 170	9XW 184 107-281	7 781 999 581	8KW 044 040-812	10148	8KW 044 040-003	10920SBL	2AA 003 257-011
3 397 018 180	9XW 184 107-321	7 781 999 582	8KW 044 040-812	10149	8KW 044 025-003	10920SGB	2AA 003 257-021
3 397 018 190	9XW 184 107-361	7 781 999 583	8KW 044 025-812	10150	8KW 044 026-003	10920SR	2AA 003 257-001
3 397 018 191	9XW 194 562-361	7 781 999 584	8KW 044 026-812	10151	8KW 044 034-003	11150	8JA 002 262-001
3 397 018 198	9XW 194 562-401	7 781 999 585	8KW 044 036-812	10152SB	8KV 705 123-813	11151M	8JB 001 946-031
3 397 018 199	9XW 184 107-401	7 781 999 586	8KW 044 032-812	10157	8KW 044 038-003	11151MD	8JB 001 946-021
3 987 008 588	9XW 197 765-281	7 781 999 587	8KW 044 288-812	10158	8KW 044 275-003	11151MDST	8JB 001 946-011
6 168 910 161	8KL 713 750-001	7 781 999 930	8KL 712 943-001	10159	8KW 044 041-003	11515/16	8JS 089 015-003
6 168 910 251	8KL 713 751-001	7 781 999 930	8KL 712 943-002	10160	8KW 044 276-003	11515/16SB	8JS 089 015-801
6 168 910 351	8KL 713 752-001	7 781 999 931	8KL 712 944-001	10161	8KW 044 028-003	11515/25	8JS 091 603-003
6 168 910 501	8KL 713 753-001	7 781 999 931	8KL 712 944-002	10162	8KW 044 027-003	11515/40	8JS 713 144-003
6 210 103 075	8KL 712 930-001	7 781 999 932	8KL 712 948-001	10162C	8KW 044 282-003	11515/5	8JS 704 073-003
6 210 103 150	8KL 712 940-001	7 781 999 932	8KL 712 948-002	10163	8KW 044 029-003	11515/8	8JS 025 889-003
6 210 103 150	8KL 712 944-002	7 781 999 933	8KL 712 949-001	10164	8KW 044 030-003	11515/8SB	8JS 025 889-801
6 210 103 250	8KL 712 953-001	7 781 999 933	8KL 712 949-002	10165	8KW 044 291-003	11530/1	8JS 713 549-003
6 210 103 250	8KL 712 953-002	7 781 999 934	8KL 712 945-001	10166	8KW 044 039-003	11530/5	8JS 713 550-003
6 210 110 075	8KL 712 931-001	7 781 999 934	8KL 712 945-002	10167	8KW 044 031-003	11538/10	8JS 713 805-003
6 210 110 150	8KL 712 945-001	7 781 999 935	8KL 712 957-001	10169	8KW 044 277-003	11538/15	8JS 713 806-003
6 210 110 150	8KL 712 945-002	7 781 999 935	8KL 712 957-002	10170	8KW 044 035-003	11538/20	8JS 713 807-003
6 210 110 250	8KL 712 954-002	7 781 999 936	8KL 712 975-001	10170SB	8KW 044 035-003	11538/25	8JS 713 808-003
6 210 130 075	8KL 712 933-001	7 781 999 936	8KL 712 975-002	10171	8KW 702 796-003	11538/30	8JS 713 567-003
6 210 130 100	8KL 712 940-001	7 781 999 937	8KL 712 977-001	10171A	8KW 702 796-003	11538/5	8JS 713 564-002
6 210 130 103	8KL 712 968-001	7 781 999 937	8KL 712 977-002	10173	8KW 044 037-003	11565/10	8JS 713 805-003
6 210 130 150	8KL 712 948-001	7 781 999 943	8KL 712 952-001	10181	8KW 044 288-003	11565/15	8JS 713 806-003
6 210 130 150	8KL 712 948-002	7 781 999 943	8KL 712 952-002	10182	8KW 044 032-003	11565/20	8JS 713 807-003
6 210 130 250	8KL 712 957-001	7 781 999 944	8KL 712 959-001	10330/17	8KX 707 918-001	11565/25	8JS 713 808-003
6 210 130 250	8KL 712 957-002	7 781 999 944	8KL 712 959-002	10357F/10	8KV 002 140-001	11565/30	8JS 713 567-003
6 210 130 400	8KL 712 962-001	7 781 999 945	8KL 712 954-002	10357F/2,5	8KV 002 137-001	11575	8JS 711 683-903
6 210 130 400	8KL 712 962-002	7 781 999 946	8KL 712 958-001	10357F/6	8KV 002 139-001	11575/10	8JS 711 686-002
6 210 130 599	8KL 712 965-001	7 781 999 947	8KL 712 960-001	10358F/16	8KV 002 141-001	11575/10SB	8JS 711 686-821
6 210 150 075	8KL 712 934-001	7 781 999 947	8KL 712 960-002	10400	8KV 002 133-001	11575/15	8JS 711 687-002
6 210 150 150	8KL 712 949-001	8 781 324 028	8KV 714 304-002	10401	8KW 043 629-013	11575/15SB	8JS 711 687-821
6 210 150 150	8KL 712 949-002	8 781 353 000	8KW 744 782-003	10402	8KW 043 630-013	11575/20	8JS 711 688-002
6 210 150 250	8KL 712 958-001	8 781 353 001	8KW 044 037-003	10402A	8KW 701 235-033	11575/25	8JS 711 689-002
6 210 150 599	8KL 712 966-001	8 781 353 007	8KW 744 778-003	10404	8KW 043 636-003	11575/3	8JS 711 683-002
6 210 160 100	8KL 712 939-001	8 781 353 008	8KW 744 785-003	10420	8KX 707 925-003	11575/30	8JS 711 690-002
6 210 160 150	8KL 712 947-001	8 781 353 009	8KW 044 282-003	10430	8KX 707 924-003	11575/5	8JS 711 684-002
6 210 160 150	8KL 712 947-002	8 781 353 119	8KW 044 275-003	10441	8KW 043 635-013	11575/7,5	8JS 711 685-002
6 210 160 250	8KL 712 956-002	8 781 353 121	8KW 044 276-003	10442	8KW 043 635-013	11575/7,5SB	8JS 711 685-821
6 210 170 075	8KL 712 929-011	8 781 353 121	8KW 044 291-003	10442A	8KW 048 056-033	12002	9JM 707 870-013
6 210 170 150	8KL 712 946-001	8 781 353 122	8KW 044 296-004	10444	8KW 701 671-003	12003	9JM 707 873-013
6 210 170 150	8KL 712 946-002	8 781 353 123	8KW 044 028-003	10451	8JA 001 916-001	12004	9JM 707 874-013
6 210 170 250	8KL 712 955-001	8 781 353 126	8KW 044 027-003	10452	8JB 001 941-002	12005	9JM 707 871-013
6 210 170 250	8KL 712 955-002	8 781 353 126	8KW 044 027-004	10452K	8JB 001 943-003	12007	9JM 707 875-013
6 210 179 150	8KL 717 461-001	8 781 353 126	8KW 044 027-812	10453	8JA 001 918-002	12120	8KX 707 913-011
6 210 180 075	8KL 712 935-001	8 781 353 127	8KW 044 039-003	10453	8JA 001 918-021	12121	8KX 707 913-001
6 210 180 100	8KL 712 942-001	8 781 353 128	8KW 044 277-003	10453K	8JA 001 930-003	12122	8KX 707 912-001
6 210 180 150	8KL 712 950-001	8 781 353 130	8KW 044 029-003	10453SB	8JA 001 918-002	12123	8KX 707 912-011
6 210 180 250	8KL 712 950-002	8 781 353 131	8KW 044 030-003	10453SB	8JA 001 918-021	18376	8KV 002 142-031
6 210 180 500	8KL 712 959-001	8 781 353 131	8KW 044 030-004	10455K	8JA 002 263-001	18378	8KV 002 145-031
6 210 180 750	8KL 712 959-002	8 781 353 132	8KW 044 031-003	10463	8JB 003 833-011	18378ST	8KV 002 142-031
6 210 190 100	8KL 712 929-001	8 781 353 133	8KW 044 038-003	10470	8KW 700 144-003	18378ST	8KV 002 144-031
6 210 190 103	8KL 712 936-001	8 781 355 000	8KW 045 145-003	10471	8JB 005 949-001	18386	8KV 004 258-031
6 210 190 150	8KL 712 967-001	8 781 355 000	8KW 045 145-004	10472	8JA 005 951-001	18388DST	8KV 004 259-031
6 210 190 150	8KL 712 943-001	8 781 355 810	8KW 044 026-003	10473	8JA 005 952-001		
6 210 190 150	8KL 712 943-002	8 781 355 810	8KW 044 024-003	10500	8KV 002 127-003	Case IH	HELLA
6 210 190 163	8KL 712 969-001	8 781 355 811	8KW 700 142-003	10500	8KV 002 127-021	0 007432 8	6RH 004 570-151
6 210 190 250	8KL 712 952-001	8 781 360 800	8KW 700 144-003	10500FL	8KV 714 340-002	0 037928 73	4DW 003 944-071
6 210 190 250	8KL 712 952-002	8 781 360 810	8KW 044 035-003	10502	8JD 002 289-001	0 325227 8	8JA 005 951-001
6 210 190 253	8KL 712 970-001	8 784 478 014	8KW 708 373-003	10504	8JD 002 294-001	0 325227 8	8JA 005 951-003
6 210 190 351	8KL 712 971-001	8 784 478 014	8KW 708 373-004	10506	8JD 002 291-001	0 325228 6	8JB 005 949-001
6 210 190 400	8KL 712 960-001	8 784 478 015	8KW 708 374-003	10507	8JD 002 290-001	0 412047 0	6GM 004 570-061
6 210 190 400	8KL 712 960-002	8 784 478 015	8KW 708 374-004	10555/16	8JD 005 993-032	0 412047 6	6GM 004 570-067
6 210 190 503	8KL 712 972-001	8 784 479 005	8KV 003 124-811	10565/10	8JD 005 993-001	0 412204 6	8JB 004 123-001
6 210 190 599	8KL 712 964-001	8 784 479 006	8KV 002 135-821	10585 10	8JD 005 993-021	0 412204 6	8JB 004 123-002
6 210 192 150	8KL 717 462-001	8 784 480 000	8KW 044 040-003	10670	8KL 712 997-001	0 442770 03	8KW 044 036-003
6 210 197 150	8KL 717 464-001	8 784 480 000	8KW 044 040-004	10672	8KL 712 943-002	0 442770 03	8KW 044 036-004
6 210 230 075	8KL 712 980-001	8 784 480 001	8KW 044 025-003	10672/1	8KL 712 943-001	0 605092 04	6FJ 001 571-041
6 210 230 075	8KL 712 980-002	8 784 480 009	8KW 744 770-003	10673	8KL 712 948-002	0 605092 04	6FJ 001 571-047
6 212 100 150	8KL 712 975-001	8 784 480 010	8KW 702 796-003	10673/1	8KL 712 948-001	0 605244 61	6ZF 003 549-001
6 212 100 150	8KL 712 975-002	8 784 480 011	8KW 044 288-003	10674	8KL 712 949-002	0 700224 1	8KW 044 031-003



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Cross-reference

Case IH	HELLA	Claas	HELLA	Cobo	HELLA	DAF	HELLA
1 141111	9MJ 707 869-013	001 477 90	8TW 004 223-097	13.350.023	9XT 713 630-551	086 7532	8JA 002 262-003
1 309617	8HL 717 962-011	001 47710	4AZ 001 879-041	13.350.024	9XT 713 630-561	086 7535	8JA 717 291-007
1 31928 A1	8SB 501 263-003	001 634 60	4DN 009 492-101	13.350.026	9XT 713 630-491	086 7536	8JB 001 935-031
1 344063 C1	8SB 004 288-092	001 63420	8JD 007 024-047	13.350.027	9XT 713 630-271	086 7537	8JB 001 941-001
1 590005 80039	5WA 001 871-041	001 65710	8JB 008 023-051	13.350.030	9XT 713 630-261	086 7537	8JB 001 941-002
1 85773 A1	8SB 501 263-003	001 718 70	8EZ 008 022-011	13.350.031	9XT 713 630-351	086 7538	8JB 003 833-011
1 93 770100	8SB 003 609-061	001 71820	4DM 004 639-061	13.350.032	9XT 713 630-361	086 7540	8KV 002 135-821
1 964696 C2	8TW 004 223-031	001 71820	4DM 004 639-067	13.350.037	9XT 713 630-601	086 7541	8KV 002 136-011
1 971266 C1	9GT 960 380-005	0017.730.0	6EK 002 843-161	13.350.041	9XT 713 630-481	086 7542	8KV 003 124-811
1-161-007-707-01	9EY 117 126-014	006 949 10	8TW 004 223-031	13.350.043	9XT 713 630-211	086 7544	8KW 043 636-003
1-34-677-017	8SB 003 614-001	006 949 20	9XD 856 165-005	13.350.055	9XT 713 630-311	086 7545	8KW 044 035-003
1-34-677-082	8HG 501 257-032	007 172 91	3AL 002 952-907	13.350.056	9XT 713 630-371	086 7546	8KW 048 056-033
1-34-677-083	8HG 501 257-042	007 172 92	3AL 002 952-907	13.350.057	9XT 713 630-281	086 7547	8KW 700 144-003
1-34-677-1101	8SB 501 263-003	010 878 0	8SB 002 991-081	13.350.058	9XT 713 630-121	086 7583	9FF 713 627-001
1-34-777-002	9EY 561 042-002	021 181 50	8JA 003 526-001	13.350.059	9XT 713 630-181	086 7586	9XT 713 630-311
1-34-777-042	9EY 122 979-001	021 181 50	8JA 003 526-002	13.350.060	9XT 714 300-131	086 7587	8HL 707 878-002
1-40-558-0521	6GM 500 212-012	021 197 70	8JA 711 375-001	13.350.062	9XT 713 630-141	087 9737	8XY 004 734-001
1-40-577-061	8JA 500 431-002	021 256 50	8JA 001 926-001	13.350.065	9XT 713 630-101	088 7402	8KW 708 373-003
299657A1	6HD 002 535-031	021 448 10	6GM 007 832-251	14.156.000	6JB 003 959-001	088 7402	8KW 708 373-004
3 053 586 R91	2AA 001 201-011	021 448 20	6FH 007 832-151	16.351.000	6RH 004 570-411	088 7403	8KW 708 374-003
3 057633 R91	6BA 001 539-001	021 448 40	9XT 714 300-341	16.351.000	6RH 004 570-417	089 2894	8KW 708 374-004
3 057633 R91	6BA 001 539-007	021 448 50	9XT 714 300-731	16.351.000	6RH 007 832-461	089 2894	8SB 501 147-031
3 058 667 R92	6DD 001 551-011	021 449 10	9FF 713 627-011	16.352.000	6RH 007 832-467	090 6180	4RA 965 400-001
3 058 667 R92	6DD 001 551-017	021 567 60	8KV 002 133-001	16.352.000	6HH 004 570-481	090 6185	4RD 933 332-041
3 121 171 R91	2AA 001 200-031	021 568 60	8KV 002 133-001	16.352.000	6HH 007 832-301	090 6185	4RD 933 332-047
3 133994 7	6JF 001 571-101	021 709 80	6GM 004 570-061	16.355.000	6RH 004 570-171	090 6459	8JB 001 935-031
3 134649 7	8JB 004 777-011	021 709 80	6GM 004 570-067	16.355.000	6RH 004 570-177	090 7335	4RD 933 332-061
3 141916 R92	8SB 002 997-103	02144830	9HB 713 629-001	16.355.000	6RH 007 832-351	090 7335	4RD 933 332-067
3 234431 R92	6BA 001 539-047	023 390 00	8JS 091 603-003	16.357.000	6RH 004 570-331	090 7353	8JA 001 931-041
3 399522 R2	6BA 001 539-057	023 825 70	8KV 002 137-001	17.351.000	6GM 004 570-221	090 7355	8JA 003 832-011
3 399576 R91	8SB 002 995-011	032 472 70	8EK 002 843-001	17.351.000	6GM 007 832-251	090 7580	8KB 990 299-001
3 477704 0	8KW 045 145-003	032 472 70	6EK 002 843-003	17.354.000	6GM 004 570-051	090 7724	8JA 713 631-001
3 477704 0	8KW 045 145-004	032 472 70	6EK 002 843-007	17.354.000	6GM 007 832-181	090 7724	8JA 713 631-007
3 477704 2	9EY 122 979-001	034 999 20	6EK 002 843-001	18.091.000	4RD 933 332-071	090 7772	9GD 735 641-001
4 713 318 30	8HG 501 253-012	034 999 20	6EK 002 843-003	AV.180.005	4RA 007 793-041	090 8311	6FH 004 570-111
4 713 318 40	8HG 501 253-022	034 999 20	6EK 002 843-007	AV.180.006	4RA 007 793-031	090 8312	6RH 007 832-421
4 713 366 40	8SB 501 263-003	037 272 80	8SB 002 994-001	AV.180.007	4RA 007 957-011	090 8313	6FH 004 570-241
679 850 R91	2AA 001 200-011	055 956 40	8BW 003 966-067	AV.180.008	4RA 007 957-001	091 1027	8JA 007 024-001
679 850 R91	2AA 001 200-012	056 436 30	6FH 007 832-081	AV.180.011	4RD 007 794-031	091 1028	9FF 713 627-031
679 873 R91	2AA 001 200-021	056 436 30	6FH 007 832-087	AV.180.013	4RD 007 903-011	119 0795	4DJ 003 767-001
679 873 R91	2AA 001 200-023	056 436 40	6GM 007 832-251	AV.180.022	4RD 007 903-001	1190795 VSE	4DJ 003 767-001
7 067756	8KW 044 022-003	056 436 50	6GM 007 832-241	AV.180.022	4RD 933 332-071	122 6138	8JA 003 526-001
7 067756	8KW 044 022-004	056 436 60	6FH 007 832-101	AV.180.028	4RA 933 791-091	122 6138	8JA 003 526-002
7 067931	8KW 044 039-003	056 436 60	6FH 007 832-107			124 9459	3BA 002 768-427
7 091802	9MJ 735 430-001	056 436 70	6RH 007 832-421			1245535	8JS 728 596-131
8 601 051 8	8SB 501 263-003	056 436 80	6EH 007 832-041			1245535	8JS 728 596-811
9 019974 035	4DW 003 944-001	056 436 90	6HH 007 832-321			127 9549	8JA 002 252-101
9 802917 4	3AL 002 952-841	056 437 00	6GM 007 832-271			127 9549	8JA 002 252-103
9 803213 8	9XT 713 630-261	056 437 20	6FH 007 832-621			129 9600	4DM 003 474-001
9 803272 9	6BA 001 539-001	057 098 30	3AF 003 399-051			129 9600	4DM 003 474-007
9 803272 9	6BA 001 539-007	057 098 40	6EK 001 559-001			130 1750	8JB 003 833-001
9 803273 3	8EZ 008 022-001	057 098 40	6EK 001 559-007			130 1754	8JB 003 834-001
9 803273 8	8JD 004 588-001	057 098 50	9SL 042 991-001			130 1758	8JB 001 943-001
9 803273 9	4DM 003 360-021	059 466 70	6HF 003 916-031			130 1758	8JB 001 943-003
9 803273 9	4DM 003 360-027	060 402 90	4DM 003 360-021			130 1759	8JB 006 462-001
9 803937 0	6FH 004 570-541	060 402 90	4DM 003 360-027			130 1760	8JA 001 930-001
9 803971 9	6HF 001 579-061	060 402 91	4DM 003 360-021			130 1760	8JA 001 930-003
9 803983 0	9XT 714 300-141	060 402 91	4DM 003 360-027			133 6008	8EV 003 361-011
9 803983 0	8JD 002 290-001	060 413 80	6HF 001 579-061			134 4988	3SB 003 985-061
9 803983 0	8JB 001 943-041	062 427 30	6JF 001 572-001			134 4988	3SB 003 985-067
9 803983 0	8JB 005 949-001	062 476 30	6ED 001 563-021			1343064	8TW 006 849-081
		062 476 90	8KW 700 144-003			135 0338	3PB 005 411-001
		065 817 00	8KV 705 123-002			135 0339	9XL 715 989-001
		065 817 00	8KV 705 123-004			135 9968	6EK 002 843-001
		065 820 71	8JD 002 294-081			135 9968	6EK 002 843-003
		065 836 20	8KV 002 135-821			135 9968	6EK 002 843-007
		067 443 90	6DD 001 551-011			135 9969	9SL 706 729-011
		067 443 90	6DD 001 551-017			135 9969	9SL 706 729-011
		068 214 61	8SB 002 991-001			136 0008	8EV 003 361-011
		068 229 20	3AL 002 952-887			137 6244	6ZF 005 686-067
		068 229 21	3AL 002 952-887			139 5936	6ZF 007 239-001
		071 470 60	6BG 001 545-001			142 5105	8SB 354 507-001
		074 407 00	6BA 001 539-001			142 5108	8SB 354 508-001
		074 407 00	6BA 001 539-007			142 5111	9MX 863 846-001
		074 889 80	8BW 003 966-047			142 5113	9HB 863 833-001
		075 562 90	8HS 071 414-001			142 5114	9HB 863 834-001
		076 801 60	6DF 001 551-091			143 5318	8JB 001 933-031
		082 206 90	6JF 001 571-041			143 5319	8JA 002 263-001
		082 206 90	6JF 001 571-047			151 9526	4DW 003 944-071
		1104	6JF 001 571-041			152 3981	4RA 007 957-001
		1104	6JF 001 571-047			152 3981	4RA 007 957-007
		141-2558	9EY 117 126-014			152 3982	4RA 933 791-081
		1580	8JA 001 926-001			152 3983	4RD 007 903-001
		178 740 0	9EY 111 230-001			152 3983	4RD 007 903-007
		4-41008190120	6ZF 003 549-001			152 3984	8JB 001 944-011
		4-48000001300	6EH 004 406-001			152 3985	8JB 008 085-021
		4-48000001300	6EH 004 406-002			152 6247	4AZ 001 879-051
		4-49000004490	8KW 701 235-033			152 6515	3PB 003 001-661
		450 075 4160	9FF 713 627-001			152 6897	4RA 003 530-051
		551	8JA 003 526-001			152 7015	4RA 965 400-031
		551	8JA 003 526-002			152 7114	8JA 003 831-011
		595 454 0	8BW 003 443-057			152 7511	4RA 933 791-081
		595 457 0	8HW 713 631-001			152 8078	8JA 009 256-801
		595 457 0	8JA 713 631-007			152 8173	8JD 743 557-811
		5W4 663	8SB 002 991-081			152 8174	8KW 744 807-801
		605 006 008	8JA 003 831-001			161 0184	8SB 354 507-001
		682 146 0	8SB 002 991-001			161 0187	8SB 354 508-001
		691 542 0	8KW 044 022-003			1610182	9MX 564 250-001
		691 542 0	8KW 044 022-004			167 0435	5DS 008 125-011
		817 305 2	8KV 705 123-004			167 0480	5DS 008 125-011
			8KV 004 418-004			168 4027	8JD 008 151-011
						185 2905	8TW 004 223-097
						185 2906	8TW 007 540-391
						287 2964	6ZF 182 914-051
						501 210058	6ZF 182 914-001
						501 210785	6ZF 182 914-011
						501 212606	6ZF 182 914-021
						501311807	6ZF 182 914-031



Manufacturer's no. / HELLA no.

Cross-reference

Facet	HELLA	Faun	HELLA	Febi	HELLA	Fendt	HELLA
10115	8KW 702 796-003	2647-232	8SB 002 406-001	26235	8TW 007 540-141	F 238 900 020 041	3AL 002 952-811
10116	8KW 044 288-003	3095-281	8KV 002 127-021	26274	8TW 006 849-011	F 238 900 020 041	3AL 002 952-817
10120	8KV 002 137-001	34777	8KV 002 139-001	30603	8TW 006 848-021	F 238 900 020 041	3AL 006 958-837
10121	8KV 002 139-001	4159-650	6BG 001 545-001	4096	8TW 006 848-031	F 238 900 020 043	3AL 006 958-837
10122	8KV 002 140-001	4200-425	8HG 002 211-001	9788	8TW 006 848-021	G 737 900 020 160	6ZB 006 377-017
10123	8KV 002 141-001	5138-613	8KW 048 056-033	9089	8TW 006 847-021	G 816 810 190 020	8TW 004 223-031
10124	8KW 705 393-003	5161-239	6GM 007 832-271	Fendt	HELLA	G 842 900 020 030	6ZB 006 377-017
10125	8KW 700 142-003	5161-477	9FF 713 627-011	0 005 088 65	6JF 001 572-001	G 930 900 020 201	3AL 002 952-827
10130	8KW 044 282-003	5162138	9FF 713 627-031	1 678 404 M1	3AL 002 952-811	G931.901.042.060	8JB 008 023-067
10134	8KW 044 275-003	5221-167	8JS 711 684-002	1 678 404 M1	3AL 002 952-817	H 737 811 200 030	6ZF 005 686-067
10135	8KW 044 276-003	5221-168	8JS 711 686-002	1 696 565 M1	4DM 003 360-021	H 737 812 200 030	6ZF 005 686-067
10136	8KW 044 291-003	5221-168	8JS 711 686-007	1 696 565 M1	4DM 003 360-027	H 816 810 200 030	6ZF 004 365-041
10137	8KW 044 028-003	5231-519	8JD 005 993-001	1 828 002 005 70	8SB 002 997-001	V 309 446 00	9FF 713 627-001
10138	8KW 044 027-003	5231-519	8JD 005 993-002	2 982 125 M91	8KV 002 127-003	V 329 629 00	8KV 004 418-004
10139	8KW 044 039-003	5231-519	35B 004 438-155	3 582 441 M1	8KV 002 127-007	V 369 872 00	8JS 742 902-011
10140	8KW 044 277-003	5240-775	6EK 002 843-001	3 615 652 M1	8TW 004 223-031	V 619 690	6BA 001 539-001
10141	8KW 044 029-003	5240-775	6EK 002 843-002	3539335M92	4RD 007 794-031	V 619 690	6BA 001 539-007
10142	8KW 044 030-003	5240-775	6EK 002 843-007	3539335M92	4RA 933 791-061	V 649 791	8JB 001 943-001
10143	8KW 044 031-003	5240-875	6EK 002 843-001	3582444M91	4RA 933 791-067	V 649 791	8JB 001 943-003
10144	8KW 700 143-003	5240-875	6EK 002 843-003	3823047M1	8BW 003 443-067	V30999200	8JD 002 294-081
10145	8KW 705 392-003	5240-875	6EK 002 843-007	3906604M1	8JB 008 023-011	V32459100	8JA 002 262-001
10154	8PD 003 798-001	5241 487	6FH 004 570-571	3906604M1	4RA 933 791-061	V32459100	8JA 002 262-003
10160	8KV 715 923-003	5241 487	6FH 004 570-577	3906604M1	4RA 933 791-067	V844680	8JD 002 290-141
10162	8KV 712 169-003	5241-216	6EJ 001 569-001	4 271 799 M1	8JS 728 596-017	X 670 305 400 000	8JA 001 918-002
10171	8KW 043 630-013	5241-488	6GM 004 570-071	4 287 339 M1	4RA 003 437-081	X 670 305 400 000	8JA 001 918-021
10175	8KW 701 235-033	5241-576	8JS 711 685-002	4 287 339 M1	4RA 003 437-087	X 671 015 400	8KW 091 453-001
10178	8KW 048 056-033	5241-878	8KW 702 796-003	4 299 489 M1	4RD 007 903-011	X 825 185 140	8KW 043 636-003
10180	8KW 043 636-003	5243-448	6EF 003 916-061	4 355 332 M1	3AL 002 952-811	X 825 185 186	8KW 705 393-003
10181	8KW 700 144-003	7000 447	8JB 003 834-001	4 355 332 M1	3AL 002 952-817	X 825 200 063	8KW 002 140-001
10188	8KW 044 038-003	7000-458	8WV 115 095-001	4270844M1	4RA 007 793-031	X 825 200 175	8HS 071 414-001
10189	8JA 002 252-103	7000-459	8TW 004 764-041	4270844M1	4RA 007 793-037	X 825 200 414	8KV 002 136-001
10190	8JB 004 123-001	7002-966	8SB 501 147-003	4271800M1	8JS 728 596-077	X 830 020 010	8KV 002 141-001
10194	8JA 002 262-001	772 36 11	8SB 003 978-001	4271800M1	8JS 728 596-027	X 830 020 010	8KX 091 451-031
10301	8KL 054 001-002	772 3617	8SB 003 978-041	4271802M1	8JS 728 596-037	X 830 020 011	8KX 091 451-032
10302	8KL 054 005-002	7751-239	4DW 004 513-021	4272431M1	4RD 007 814-011	X 830 020 011	8KX 043 021-031
10303	8KL 054 002-002	8412-824	6FG 002 312-001	4272431M1	4RD 007 814-017	X 830 020 011	8KX 043 021-032
10304	8KL 712 943-002	8412-824	6FG 002 312-002	4272432M1	4RD 007 794-021	X 830 240 010	6ED 004 778-021
10305	8KL 712 948-002	8464-612	6ZE 001 759-061	4272432M1	4RD 007 794-027	X 830 240 020	6JF 001 571-041
10306	8KL 712 944-002	9970 1148363	5WG 002 450-291	4272534M1	8JB 008 023-001	X 830 240 020	6JF 001 571-047
10307	8KL 712 952-002	9970 1148363	5WG 002 450-297	4295879M1	4RD 007 903-001	X 830 240 020 000	6JF 001 571-041
10308	8KL 712 957-002	9970 7004986	8JS 711 683-031	4295879M1	4RD 007 903-007	X 830 240 136 000	6JF 001 571-047
10309	8KL 712 953-002	9970 7011562	8JS 711 683-021	5 151 378 D1	8JS 728 596-212	X 830 240 136 000	8TA 003 394-001
10310	8KL 712 983-001	9970 7015510	9GH 993 984-001	5 151 38D 1	8JS 728 596-222	X 830 240 136 000	6TA 003 394-017
10313	8KL 712 980-002	9970 7030525	9GH 993 984-007	5 151 39D 1	8JS 728 596-232	X 830 250 024 000	4RA 003 530-001
10315	8KL 712 997-001	9970 7030525	8KV 002 137-001	7 101 002 5	8HG 002 211-001	X 830 250 024 000	4RA 003 530-007
10318	8KL 712 960-002	9970 7034820	4RD 933 332-081	7 101 062 4	8SB 002 406-001	X 830 230.550.000	8JA 002 262-001
10319	8KL 712 962-002	9970 7034820	4RD 933 332-087	7 101 062 4	8SB 002 407-011	X 830.230.550.000	8JA 002 262-003
10321	8KL 712 964-001	9970 7731319	8JS 711 683-002	7 111 004 5	8HG 002 211-001	X 840 072 052	6FG 002 315-001
10328	8KL 712 949-002	9970 7731320	8JS 711 684-002	7 113 001 1	8JD 002 290-001	X825200413	8KV 004 418-821
10329	8KL 712 947-002	9970 7731323	8JS 711 687-002	7 113 001 8	8HS 071 414-001	X825200416	8JD 743 557-041
10330	8KL 712 945-002	9970 7731323	8JS 711 687-007	7 113 002 5	8JB 001 946-031	X830180207	2DA 343 800-001
10331	8KL 712 950-002	9970 7731324	8JS 711 688-002	7 113 005 8	8JA 002 262-001	Y 084 163 4	6JF 001 571-001
10332	8KL 712 946-002	9970 7731326	8JS 711 690-002	7 113 005 8	8JA 002 262-003	Y 253 101 1	3AL 002 952-811
10365	8KL 712 948-002	9970 7731326	8JS 711 690-007	7 113 008 5	8KV 002 127-003	Y 253 101 1	3AL 002 952-817
10378	8KL 712 992-001	9970 8413124	8HL 707 877-022	7 113 008 5	8KV 002 127-007	Y 307 020 150	8PE 002 007-011
10379	8KL 712 985-001	99700033262	3AL 002 952-871	7 169 357 17	8JA 002 263-001		
10395	8KL 715 434-001	99700033262	3AL 002 952-877	7 195 902 8	8SB 002 994-001		
10418	8JB 005 949-011	9970-0034777	8KV 002 139-001	7 515 585 22	8KX 091 394-001		
10419	8HG 005 953-001	99700124294	8JD 002 289-001	8 168 101 900 20	9GT 960 380-005		
10424	8JB 005 949-001	99700524611	8JS 704 073-003	8 810 004 1	8SB 002 406-001		
10425	8JA 005 951-001	99700589082	4RD 933 332-071	8 870 009 8	8JB 001 946-021		
10461	8JA 005 952-011	99700589082	4RD 933 332-077	8 870 009 8	8JB 001 946-022		
10501	8JA 001 918-002	99700945314	8EV 003 361-011	B000501043006	8JS 711 690-821		
10501	8JA 001 918-021	99701041702	8JA 003 831-001	B000501043007	8JS 711 683-021		
10502	8JA 001 930-003	9970-1547977	8EZ 008 021-001	D 287 516 52	9XT 740 763-501		
10503	8JB 001 941-002	99701570076	6ZF 003 549-001	D 287 516 53	9XT 713 630-301		
10504	8JB 001 943-003	99701886181	8JA 003 832-001	D 449 009 91	8JB 005 949-011		
10514	8JB 003 833-011	99707000447	8JB 003 834-001	D 449 009 91	8JB 005 949-012		
10515	8JA 001 916-001	99707005695	3PA 004 206-011	D 449 009 93	8JA 005 951-001		
10516	8JB 001 940-001	9970-7005809	8EZ 008 021-011	D 449 009 93	8JA 005 951-003		
10517	8JA 003 831-001	9970-7006599	5DS 008 125-001	D 450 049 00	6DF 001 551-091		
10519	8JB 001 939-001	99707008987	8JB 008 023-001	D 450 196 00	6BA 001 539-001		
10519	8JB 003 833-001	99707013066	8JA 007 589-021	D 450 196 00	6BA 001 539-007		
10521	8JB 005 949-001	99707034833	4DW 004 513-021	D 450 500 45	6EJ 001 569-001		
10522	8JA 005 951-001	99707731321	8JS 711 685-002	D 450 598 00	6EK 001 559-001		
10523	8JA 005 952-001	99707731325	8JS 711 689-002	D 450 598 00	6EK 001 559-007		
10546	8KL 712 956-002	99707751239	4DW 004 513-021	D 450 600 03	6GM 004 570-051		
10547	8KL 712 954-002	9970-8403382	8HS 071 414-001	D 450 600 09	9XT 740 763-641		
10548	8KL 712 959-002	99708406-675	6ED 004 778-021	D 450 600 13	9XT 714 300-141		
10577	8KL 712 955-002	99708410952	8JB 003 833-001	D 450 600 14	2AA 713 628-001		
131016	8HK 710 702-101	99708412592	8KV 002 127-011	D 450 600 15	8JA 715 600-001		
131018	8HK 710 702-111	EA7599	8JD 005 235-002	D 450 600 16	8HG 714 504-001		
131021	8HK 710 702-131		Febi	D 450 600 21	4RA 933 332-107		
131025	8HK 710 702-151		HELLA	D 450 600 21	4RA 933 332-107		
131027	8HK 710 702-161		4RP 008 189-051	D 450 600 55	9SL 042 991-001		
7.02141	8HK 710 702-141		8TW 005 496-011	D 450 634 00	6GM 004 570-231		
FAE	HELLA		8TW 006 848-101	D 450 635 00	6FH 004 570-531		
6722	6ZF 004 365-011		8TW 004 223-031	D 450 636 00	6HH 004 570-451		
Farma	HELLA		6ZF 182 914-051	D 450 637 00	6RH 004 570-401		
017							

Manufacturer's no. / HELLA no.

Cross-reference



FEP	HELLA	Fiamm	HELLA	Fischer	HELLA	Ford	HELLA
32510100	6RH 008 948-002	21072	3PD 003 001-671	003.05.007	8KV 714 340-002	5 018 709	4DM 003 360-027
32570100	6RH 007 832-681	21074	3PB 003 001-651	003.05.008	8JS 711 683-821	5 030 035	4DM 003 360-021
32580100	6FH 008 948-020	Fiat	HELLA	003.05.009	8JS 711 684-821	5 030 035	4DM 003 360-027
32630100	6RH 008 948-012	2480122	8JA 001 926-001	003.05.010	8JS 711 685-821	5C46 13B576 AA	8JB 007 242-021
32770100	6HH 007 832-591	2480125	8JA 703 947-011	003.05.011	8JS 711 686-821	5C46 13B576 AA	8KA 007 648-041
32770300	6HH 007 832-641	2564011	8KV 002 127-003	013.14.016	8KL 712 977-001	5C46 13N406 AA	8JB 007 242-021
32780100	6HH 007 832-771	2564011	8KV 002 127-007	013.14.051	8KV 001 450-032	5C46 13N406 AA	8KA 007 648-041
32790100	6EH 007 832-601	3471537	8HS 071 415-001	013.14.052	8KX 091 451-032	5NN13N302A	9EL 043 137-001
32800100	6EH 007 832-671	41040162	3BA 002 768-441	013.14.052	8KX 091 452-032	6 046 578	3AL 002 952-861
32810100	6EH 007 832-751	41040162	3BA 002 768-447	013.14.072	8KL 715 436-001	6 046 578	3AL 002 952-867
32860100	6RH 007 832-701	42025581	3BA 002 768-427	013.14.076	8KL 713 735-001	6 046 579	3AL 002 952-861
32870100	6RH 007 832-731	42025589	3BA 002 768-427	013.14.086	8KV 004 418-004	6 046 579	3AL 002 952-867
33000800	6EH 004 570-681	42046130	3BA 002 768-431	013.14.087	2AA 003 257-041	6 050 578	4RA 965 400-001
33002100	6GM 004 570-271	42046130	3BA 002 768-437	013.14.126	8KA 004 797-021	6 058 163	4DW 003 944-071
33002900	6RH 004 570-382	42080296	3AG 003 399-101	013.14.134	2AA 003 257-031	6 059 235	4RA 965 400-001
33010100	6EH 004 570-001	42322736	8WV 115 095-001	13.14.16	8KL 712 991-001	6 083 293	8JA 003 526-001
33020100	6EH 004 570-011	42323736	8WV 115 095-001	13.14.39	8KL 712 997-001	6 083 293	8JA 003 526-002
33030100	6EH 004 570-021	42327972	8BW 003 966-007	13.14.40	8JD 002 289-001	6 084 956	8DM 004 639-061
33040100	6GM 004 570-051	4408159	9GD 853 490-001	13.14.41	8JD 002 291-001	6 084 956	4DM 004 639-067
33050100	6GM 004 570-061	4408161	8WV 115 095-001	13.14.5	8JA 001 918-002	6 089 983	4DM 003 360-021
33060100	6FH 004 570-101	46414088	4RV 008 188-291	13.14.78	8JA 005 952-001	6 089 983	4DM 003 360-027
33070100	6FH 004 570-111	46423043	4RV 008 188-321	13.14.86	8KV 003 284-001	6 092 658	8TW 004 764-021
33080100	6FH 004 570-121	46428175	4RV 008 188-111	Flösser	HELLA	6 132 248	4RV 008 188-211
33090100	6RH 004 570-151	46438456	4RV 008 188-291	104805	8JS 704 073-801	6 140 531	4DM 003 360-021
33100100	6RH 004 570-161	46443793	8TW 004 223-031	104808	8JS 025 889-801	6 140 531	4DM 003 360-027
33110100	6RH 004 570-171	46746613	8XY 007 526-001	104816	8JS 089 015-801	6 140 949	8TW 006 849-001
33120100	6GM 004 570-201	46760972	8TW 004 223-031	104825	8JS 091 603-801	6 143 688	4RV 008 188-161
33130100	6GM 004 570-211	46797755	8TW 005 206-011	16.22422	4DB 001 887-041	6 153 469	8TW 006 847-001
33150100	6RH 004 570-261	4776225	8TW 004 764-021	16.22425	4DB 007 218-001	6 162 672	8TW 004 764-021
33170100	6RH 004 570-311	4776226	8TW 004 764-041	16.23621	4DM 003 360-021	6 162 673	8TW 004 764-041
33180100	6RH 004 570-351	4792112	4RV 008 188-091	204803	8JS 711 683-002	6 164 937	8TW 006 847-001
33190100	6RH 004 570-361	4982226	8SB 002 407-011	204805	8JS 711 684-002	6 171 402	4RV 008 188-211
33200100	6RH 004 570-401	4982226	8SB 003 609-061	204810	8JS 711 686-002	6 175 672	8TW 006 847-001
33210100	6RH 004 570-411	5127282	6JF 001 571-041	204815	8JS 711 687-002	6 194 291	4RV 008 188-221
33220100	6HH 004 570-451	5127282	6JF 001 571-047	204820	8JS 711 688-002	6 600 254	4DM 003 360-021
33230100	6HH 004 570-477	5143840	8JA 711 375-001	204825	8JS 711 689-002	6 600 254	4DM 003 360-027
33240100	6GM 004 570-071	5154298	8JA 003 526-001	204830	8JS 711 690-002	6 729 803	8TW 010 958-031
33250100	6GM 004 570-081	5154298	8JA 003 526-002	204875	8JS 711 685-002	6 756 611	4RV 008 188-221
33260100	6RH 004 570-191	51542980	8JA 003 526-001	3205	8JS 713 564-002	6 756 612	4RV 008 188-221
33270100	6GM 004 570-221	51542980	8JA 003 526-002	3210	8JS 713 805-003	6 833 495	8TW 006 848-001
33280100	6GM 004 570-231	542972	8TW 004 764-021	3215	8JS 713 806-003	6 833 495	8TW 006 848-001
33290100	6RH 004 570-331	5942627	4DB 007 218-001	3220	8JS 713 807-003	7 003 177	8TW 006 847-001
33300100	6HH 004 570-481	5946920	4RV 008 188-091	3225	8JS 713 808-003	7 145 535	8XY 006 481-101
33310100	6HH 004 570-491	59737540	4RV 008 188-111	3230	8JS 713 567-003	7 203 499	4DM 003 360-027
33320100	6FH 004 570-501	59737540	4RV 008 188-111	504810	8JS 728 596-141	7 222 079	8TW 005 206-051
33330100	6FH 007 832-121	5979027	8TW 004 223-031	504815	8JS 728 596-151	7 384 397	8SB 002 405-011
33340100	6FH 004 570-521	5990986	4RV 008 188-091	610502	8JD 005 235-801	73 843 645	4DM 004 639-061
33350100	6FH 004 570-531	60534316	4RP 008 189-111	R 2142	4RA 965 400-001	73 843 645	4DM 004 639-067
33370100	6EH 004 570-621	60808979	8TW 004 223-031	R 4142	4RA 965 400-031	73 843 805	4DM 004 639-067
33380100	6GM 004 570-691	60809001	8TW 004 764-021	Ford	HELLA	73 843 805	8JB 004 777-011
33410100	6RH 004 570-751	60810096	8TW 005 206-011	0 635 129	6JF 001 571-001	73 843 860	8JD 002 290-001
33420100	6FH 004 570-511	60810750	9GD 853 490-001	1 030 720	8XY 008 238-011	73 843 860	8JD 002 291-001
33430100	6FH 004 570-131	71010025	8HG 002 211-001	1 037 955	4DM 003 360-021	73 882 211	8SB 002 407-011
33440100	6RH 004 570-187	71010624	8SB 002 406-001	1 037 955	4DM 003 360-027	738 4377 A	8JA 002 262-001
33460100	6FH 004 570-541	71130018	8HS 071 414-001	1 112 804	8TW 006 849-011	738 4377 A	8JA 002 262-003
33490100	6FH 004 570-571	71130027	2AA 001 200-001	1 132 693	8TW 010 958-011	74 003 418	8KX 091 452-031
33501000	6FH 004 570-341	71130027	2AA 001 200-001	1 145 866	8TW 010 958-001	74 003 418	8KX 091 452-032
33540100	6FH 004 570-241	71730375	8JB 004 123-001	1 209 387	8TW 006 849-031	74 003 451	3BA 002 768-382
33580100	6GM 007 832-521	71730375	8JB 004 123-001	1 530 665	6ED 004 778-011	7HB1350AB	4DM 003 944-071
33620100	6RH 004 570-371	71959028	8SB 002 994-001	1 582 913	2AA 001 200-151	81 815 333	9EL 043 137-001
33630100	6RH 004 570-671	7568854	8TW 004 764-021	1 583 532	6ZE 001 759-051	81 817 055	8JS 025 889-003
33670100	6EH 004 570-641	7576067	4RP 008 189-111	1 630 263	4RV 008 188-211	81 817 350	8JA 001 930-001
33810100	6RH 004 570-321	7578192	8TW 004 223-031	1 630 363	4RV 008 188-211	81 817 350	8JA 001 930-003
8820.10	8HG 005 953-001	75896560	4RV 008 188-111	1 631 494	4DM 003 360-021	81 817 350	8JA 001 930-003
8820.101	8JB 001 946-031	7595406	4DB 007 218-001	1 631 494	4DM 003 360-027	81 817 350	8JA 001 930-003
8820.101/1	8JB 001 946-021	7628059	4RV 008 188-111	1 647 770	4DM 003 360-021	81 817 350	8JA 001 930-003
8820.102/1	8JB 004 123-001	7664763	4RV 008 188-111	1 652 479	6ZF 004 365-031	81DB 13350BA	4DM 004 639-067
8820.5/3	8JB 001 943-011	76647630	4RV 008 188-111	1 652 613	4RV 008 188-221	81DB 13350BA	4DM 003 360-021
8820.5/4	8JB 001 943-041	7682336	8TW 005 206-011	1 657 855	8TW 006 847-001	81DB13A450BA	4DM 003 360-027
8820.8	8JB 005 949-001	7726125	4RV 008 188-111	1 657 856	3AF 003 399-041	81DB13A450BA	8JB 001 943-003
8820.9	8JB 005 949-011	7735921	4RV 008 188-111	1 657 858	3AF 003 399-051	83 905 203	8JS 091 015-003
8821.11	8JA 005 951-001	7750754	4RP 008 189-111	1 660 431	6ZE 001 759-051	83 909 162	3AL 002 952-857
8821.7	8JA 002 262-001	8168785	8JA 003 526-001	1 660 692	2AA 001 200-151	83 955 255	8JB 004 123-001
8821.8	8JA 001 918-002	8168785	8JA 003 526-002	1 683 961	3PB 003 001-661	83 955 255	8JB 004 123-002
8821.8	8JA 001 918-021	81815335	9EL 043 137-001	1 815 335	8TG 009 286-001	83 956 953	8JA 002 262-001
8821.8/1	8JA 001 930-003	81817053	8JS 025 889-003	1 825 723	9EL 043 137-001	83 956 953	8JA 002 262-003
8821.8/2	8JA 001 930-031	81817350	8JA 001 930-003	1 825 723	3AL 002 952-811	83 956 953	8JA 002 262-003
8823.2	8JB 003 833-001	81817350	8JA 001 930-003	1 958 437	3AL 002 952-817	8395 17K624 AA	8TW 006 849-001
8823.4	8JB 003 834-001	81826316	8JS 704 073-003	1 958 438	8TW 004 223-031	83BB6M092A1A	4RV 008 188-161
8824.2	8JA 003 831-001	82439887	8TW 004 764-021	1 959 252	8TW 004 223-031	83BB6M092BA	4RV 008 188-161
8824.4	8JA 003 832-001	83905203	8JS 089 015-003	1 959 252	8TW 005 206-031	83VB 13350 AA	4DM 003 360-021
Ferrari	HELLA	83955255	8JB 004 123-001	1C1T 13350 CA	4DM 003 360-021	84DB0013800AA	4DM 003 360-027
059 9098 6	4RV 008 188-091	83955255	8JB 004 123-002	1C1T 13350 BA	4DM 003 360-027	84DB0013800BA	4DM 003 360-021
076 6476 3	4RV 008 188-111	83956953	8JA 002 262-001	1C1T 13350BA	4DB 003 750-711	84FB006M092AA	4DM 003 360-021
077 2612 5	4RV 008 188-111	83956953	8JA 002 262-003	1C			



Manufacturer's no. / HELLA no.

Cross-reference

Ford	HELLA	Freienstein	HELLA	Fritzmeier	HELLA	Gaisbach	HELLA
93BG 13L028 AA	4DM 003 360-021	2024 000752	8KL 712 934-001	224 878	9GH 993 984-001	558 514 3	8KW 701 671-003
93BG 13L028 BA	4DM 003 360-027	2024 000753	8KL 712 935-001	224 878	9GH 993 984-007	558 514 3 25	8KW 701 671-003
95CT 17K706BA	8SB 501 147-021	2024 000755	8KL 712 931-001	224531	6ZF 005 388-001	558 531 2	8KW 744 698-003
95CT17K706CA	8SB 501 137-031	2024 000756	8KL 712 930-001	224834	8EZ 008 022-011	558 603 2	8KW 701 235-033
95VW 13A435 AA	4DM 003 360-021	2024 000757	8KL 712 929-011	224843	6ZF 004 365-031	558 603 2 25	8KW 701 235-033
95VW 13A435 AA	4DM 003 360-027	2024 001000	8KL 712 967-001	226 133	8JB 008 023-067	558 643 1	8KW 744 821-003
95VW17K624AA	8TW 005 206-051	2024 001001	8KL 712 968-001	226 250	5HE 996 152-141	558 900 1	8KW 044 275-003
97CT15K234AA	4RA 965 400-031	2024 160000	8KL 712 969-001	400 5745	3BA 002 768-427	558 901 1	8KW 044 276-003
97CT15K235AA	4RA 965 400-031	2024 250000	8KL 712 970-001	600 196	8KW 044 036-003	558 901 1 25	8KW 044 276-003
97CT15K235BA	4RA 003 530-051	2024 350000	8KL 712 971-001	600 196	8KW 044 036-004	558 902 1	8KW 044 291-003
97CT17K624BA	8TW 005 496-051	2024 500000	8KL 712 972-001	600 245	8KW 044 022-003	558 902 1 25	8KW 044 291-003
97VG 13350 BA	4DM 003 360-021	2041	8KL 712 973-001	600 245	8KW 044 022-004	558 904 1	8KW 744 772-003
97VG 13350 BA	4DM 003 360-027	2050	8KL 712 974-001	604607	8KW 700 143-003	558 904 1	8KW 744 773-003
98CT 15K235AC	4RA 003 437-091	2070	8KL 712 975-001	622 582	8KW 702 796-003	558 905 1	8KW 044 036-003
98CT 15K235AC	4RA 003 437-097	214005.TN000	8KL 712 976-001	623 125	8KW 044 035-003	558 905 1 25	8KW 044 036-003
98CT 15K235CB	4RA 003 437-091	214008.TN000	8KL 712 977-001	628 895	8KW 708 374-003	558 905 11 25	8KW 708 373-003
98CT 15K235CB	4RA 003 437-097	214016.TN000	8KL 712 978-001	628 895	8KW 708 374-004	558 905 2	8KW 708 373-003
98CT14K997AA	8KA 004 797-031	214025.TN000	8KL 712 979-001	662 920	8SB 003 609-061	558 905 2 25	8KW 044 022-003
98CT14K998AA	8JB 003 833-001	214040.TN000	8KL 712 980-001	750 719	8KW 044 288-003	558 905 2 25	8KW 044 022-003
98CT15K235CA	4RA 003 437-091	217001.TN000	8KL 712 981-001	85365011	6ZF 004 365-031	558 905 22	8KW 708 374-003
98CT15K235CA	4RA 003 437-097	217005.TN000	8KL 712 982-001	ECC2888632	4DM 009 492-001	558 905 4 25	8KW 044 023-003
9M6T-14N135-AA	4RA 007 865-031	22705-01	8KL 712 983-001	HA4005745	3BA 002 768-427	558 905 4	8KW 044 023-003
9N51 2C506 BA	8TG 009 286-001	22710-01	8KL 712 984-001	HA42T0636000	8EZ 008 022-001	558 905 44	8KW 744 799-003
A94SX 13350 AA	4DM 003 360-021	22715-01	8KL 712 985-001	KM42N5417360	8JB 001 946-051	558 906 2	8KW 044 041-003
A94SX 13350 AA	4DM 003 360-027	22720-01	8KL 712 986-001			558 907 2 25	8KW 044 028-003
AG9N 2A451 BB	8TG 009 286-001	22725-01	8KL 712 987-001			558 908 2	8KW 044 028-003
CC46 13833 AA	3BA 922 200-817	22730-01	8KL 712 988-001			558 908 2 25	8KW 044 027-003
V1C4414526A	6EK 008 458-011	22775-01	8KL 712 989-001			558 909 2	8KW 044 027-003
V78GG 15A587AA	6ZE 001 759-051	257003.LN000	8KL 712 990-001			558 909 2 25	8KW 044 039-003
V82VG 15A587AA	6ZE 001 759-071	257005.LN000	8KL 712 991-001			558 910 2	8KW 044 039-003
V84VG 15585AA	3AF 003 399-041	257010.LN000	8KL 712 992-001			558 910 2 25	8KW 044 039-003
V84VG 15585BA	3AF 003 399-051	257015.LN000	8KL 712 993-001			558 911 2	8KW 044 277-003
V92VG13350AA	4DW 003 390-061	257020.LN000	8KL 712 994-001			558 911 2 25	8KW 744 776-003
V93GG 18213AA	8JB 004 777-001	257025.LN000	8KL 712 995-001			558 914 4	8KW 044 028-003
V93GG 18213AA	8JB 004 777-002	257030.LN000	8KL 712 996-001			558 915 4	8KW 044 029-003
V95CT19K309AA	8SB 003 614-081	257035.LN000	8KL 712 997-001			558 916 4 25	8KW 044 030-003
V96CT17K706AA	8SB 003 614-081	297004.LN000	8KL 712 998-001			558 916 4 25	8KW 044 031-003
V96CT17K706CA	8SB 004 288-103	297005.LN000	8KL 712 999-001			558 917 4	8KW 044 038-003
V98CT17K706AA	8SB 501 156-031	297010.LN000	8KL 712 1000-001			558 918 4 25	8KW 044 038-003
YVC1514A658AA	6ZF 005 449-001	297015.LN000	8KL 712 1001-001			558 920 2	8KW 044 037-003
XCT15K235AA	4RD 007 903-001	297020.LN000	8KL 712 1002-001			558 920 2 25	8KW 044 282-003
XCT15K235AA	4RD 007 903-007	297030.LN000	8KL 712 1003-001			558 925 1	8KW 044 280-003
XS4V18213AA	8JB 004 777-001	3751	8KL 712 1004-001			558 925 1 25	8KW 044 280-003
XS4V18213AA	8JB 004 777-002	3899	8KL 712 1005-001			558 926 2	8KW 044 033-002
YC4417K706EA	8SB 501 147-031	3901	8KL 712 1006-001			558 926 2 25	8KW 044 034-003
YM21 13K082 BA	8TW 006 849-011	3901/10	8KL 712 1007-001			558 927 4	8KW 044 034-003
YM2117A612 PA	8BW 115 095-001	3901/12	8KL 712 1008-001			558 927 4 25	8KW 043 636-003
		3901/8	8KL 712 1009-001			558 929 25	8KW 043 630-013
		3903/10	8KL 712 1010-001			558 940 2 25	8KW 044 024-003
		3903/12	8KL 712 1011-001			558 941 4	8KW 044 024-003
		3903/8	8KL 712 1012-001			558 941 4 25	8KW 700 142-003
		3904	8KL 712 1013-001			558 942 1	8KW 700 142-003
		3904/10	8KL 712 1014-001			558 942 1 25	8KW 700 143-003
		3904/12	8KL 712 1015-001			558 943 2	8KW 700 143-003
		3905/10	8KL 712 1016-001			558 943 2 25	8KW 044 032-003
		3905/12	8KL 712 1017-001			558 944 1	8KW 044 032-003
		3906	8KL 712 1018-001			558 944 1 25	8KW 702 796-003
		3906/12	8KL 712 1019-001			558 945 2	8KW 044 288-003
		411210006	8KL 712 1020-001			558 946 1	8KW 044 040-003
		411210008	8KL 712 1021-001			558 946 1 25	8KW 044 040-003
		411210010	8KL 712 1022-001			558 947 1	8KW 045 145-003
		411210012	8KL 712 1023-001			558 947 1 25	8KW 045 145-003
		411210013	8KL 712 1024-001			558 948 2	8KW 044 025-003
		411210014	8KL 712 1025-001			558 948 2 25	8KW 044 025-003
		411210016	8KL 712 1026-001			558 949 2	8KW 044 026-003
		411210018	8KL 712 1027-001			558 949 2 25	8KW 044 026-003
		411210019	8KL 712 1028-001			558 960	8KW 705 393-003
		411210020	8KL 712 1029-001			558 960 25	8KW 705 393-003
		411510006	8KL 712 1030-001			558 961	8KW 744 733-003
		411510008	8KL 712 1031-001			558 962	8KW 744 734-003
		411510010	8KL 712 1032-001			558 975 1	8KW 744 699-003
		411510012	8KL 712 1033-001			558 976 1	8KW 705 392-003
		411510015	8KL 712 1034-001			558 976 1 25	8KW 705 392-003
		411510018	8KL 712 1035-001			730 25 161	8KW 089 015-003
		411510020	8KL 712 1036-001			730 25 161 25	8KW 089 015-003
		411510023	8KL 712 1037-001			730 25 25	8KW 089 015-003
		411510025	8KL 712 1038-001			730 25 25 25	8KW 089 015-003
		411510026	8KL 712 1039-001			730 25 8 25	8KW 089 015-003
		580972.HN000	8KL 712 1040-001			731 003	8KW 089 015-003
		580986.HN000	8KL 712 1041-001			731 005	8KW 089 015-003
		580988.HN000	8KL 712 1042-001			731 005 25	8KW 089 015-003
		580991.HN000	8KL 712 1043-001			731 005 25 25	8KW 089 015-003
		580992.HN000	8KL 712 1044-001			731 007 5	8KW 089 015-003
		580996.HN000	8KL 712 1045-001			731 007 5 25	8KW 089 015-003
		580998.HN000	8KL 712 1046-001			731 010	8KW 089 015-003
		6021/10	8KL 712 1047-001			731 010 25	8KW 089 015-003
		6021/20	8KL 712 1048-001			731 015	8KW 089 015-003
		905	8KL 712 1049-001			731 015 25	8KW 089 015-003
		906	8KL 712 1050-001			731 015 32	8KW 089 015-003
		907	8KL 712 1051-001			731 015 32	8KW 089 015-003
		908	8KL 712 1052-001			731 020	8KW 089 015-003
		910	8KL 712 1053-001			731 020 25	8KW 089 015-003
			8KL 712 1054-001			731 020 32	8KW 089 015-003
			8KL 712 1055-001			731 025	8KW 089 015-003
			8KL 712 1056-001			731 025 25	8KW 089 015-003
			8KL 712 1057-001			731 025 32	8KW 089 015-003
			8KL 712 1058-001			731 030	8KW 089 015-003
			8KL 712 1059-001				
			8KL 712 1060-001				
			8KL 712 1061-001				
			8KL 712 1062-001				
			8KL 712 1063-001				
			8KL 712 1064-001				
			8KL 712 1065-001				
			8KL 712 1066-001				
			8KL 712 1067-001				
			8KL 712 1068-001				
			8KL 712 1069-001				
			8KL 712 1070-001				
			8KL 712 1071-001				
			8KL 712 1072-001				

Manufacturer's no. / HELLA no.

Cross-reference



Gaisbach	HELLA	Gaisbach	HELLA	General Motors	HELLA	Hako	HELLA
731 030 25	8JS 711 690-002	770 310 92	8KL 712 953-001	90240651	4RV 008 188-161	90-12221-9	6BA 001 539-001
731 040 25	8JS 711 683-031	770 310 99	8KL 712 959-001	90240698	4RP 008 189-051	90-12221-9	6BA 001 539-002
731 102 25	8JS 728 596-081	770 311 0	8KL 712 960-001	90276101	4RV 008 188-161	90-12655-8	4RA 965 400-001
731 103 25	8JS 728 596-101	770 311 00	8KL 712 962-001	90378651	4RP 008 189-051	90-13639-1	4RA 965 400-031
731 104 25	8JS 728 596-121	770 311 1	8KL 712 964-001	90457812	6NM 007 282-641	90-13641-7	4DM 003 944-091
731 104 25	8JS 728 596-801	770 311 10	8KL 712 965-001	90492832	6NM 007 282-641	90-13856-1	6DD 001 551-011
731 105 25	8JS 728 596-131	770 311 6 45	8KL 712 983-001	90508709	8TW 006 849-051	90-13856-1	6DD 001 551-017
731 105 25	8JS 728 596-811	770 311 7 45	8KL 715 434-001	90585761	6NM 007 223-061	90-14181-3	8JB 004 777-001
731 110 25	8JS 728 596-141	770 311 8 45	8KL 712 997-001	90590665	6NM 007 878-351	90-14181-3	8JB 004 777-002
731 110 25	8JS 728 596-821	770 311 9 45	8KL 712 995-001	92191909	9GD 853 490-001	90142563	6ED 001 563-001
731 115 25	8JS 728 596-151	985 1 75	9MJ 707 874-013	Hagus	HELLA	90142563	6ED 001 563-003
731 115 25	8JS 728 596-831	985 2 75	9MJ 707 875-013	50 295 032	8JS 704 073-003	90142563	6ED 001 563-004
731 120 25	8JS 728 596-161	985 4 75	9MJ 707 871-013	5115	8SB 003 978-001	90-14838-8	4DM 003 360-021
731 120 25	8JS 728 596-841	985 5 75	9MJ 707 873-013	5122	8SB 003 978-041	90-14838-8	4DM 003 360-027
731 125 25	8JS 728 596-091	985 5 00	9XX 734 570-001	5123	8SB 003 614-001	90174897	8SB 003 614-001
731 130 25	8JS 728 596-171	985 6 75	9MJ 707 869-013	5175	8SB 001 081-031	90-19491-1	3BA 002 768-771
731 130 25	8JS 728 596-851	985 8 75	9MJ 707 870-013	9617	9EY 125 314-001	90-19609-8	3BA 002 768-771
731 175 25	8JS 728 596-111	Geka	HELLA	9620	9EY 561 042-002	90-19609-8	8WB 003 248-007
731 220 25	8JS 728 595-051	1202	8KV 002 137-001	9621	9EY 120 010-001	90-19609-8	8WB 003 248-007
731 230 25	8JS 728 595-061	1206	8KV 002 139-001	9623	9EY 122 979-001	90-28769-9	8JB 005 949-001
731 240 25	8JS 728 595-071	1210	8KV 002 140-001	9624	9EY 127 585-002	90-29489-3	8SB 501 137-031
731 250 25	8JS 728 595-081	1211	8KV 004 418-004	9625	9MX 127 586-001	90-34014-3	8KX 707 916-001
731 260 25	8JS 728 595-091	21/300	8KX 091 394-001	9626	9MX 127 585-002	90-34014-4	8KX 091 394-001
731 270 25	8JS 728 595-101	21/400	8KX 719 757-001	9627	9MX 560 096-002	90-35733-6	8SB 003 614-081
731 501 25	8JS 713 575-021	2463	8KV 002 132-001	9648	9EY 117 129-001	90-35779-9	8KA 003 806-001
731 80 25	8JS 713 575-041	35029	8KW 708 373-003	9672	9EY 561 445-001	90-36049-5	8SB 003 614-091
732 30 10	8JS 713 805-003	35030	8KW 708 374-003	9673	9EY 561 445-001	90-38852-1	9XT 713 630-461
732 30 15	8JS 713 806-003	35032	8KW 044 036-003	Hako	9MX 561 449-001	90-43446-6	4AZ 001 879-051
732 30 20	8JS 713 807-003	35033	8KW 044 022-003	14 99501 9	HELLA	90-71346-2	8JA 002 262-001
732 30 25	8JS 713 808-003	35034	8KW 044 023-003	14 99501 9	8KX 091 451-031	90-71346-2	8JA 002 262-002
732 30 30	8JS 713 807-003	35135	8KW 044 023-003	19 25585 0	8KX 091 451-032	90-74077-0	8SB 002 994-001
733 20 1	8JS 713 550-003	35136	8KW 702 796-003	19 25585 0	6GM 007 832-191	90-74225-5	8HG 713 626-001
733 20 5	8KL 712 943-002	35226	8KW 043 628-003	19 25586 8	6GM 007 832-197	90-74226-3	6EH 007 832-001
770 010 0	8KL 712 943-001	35255	8KW 044 027-003	19 25586 8	6FH 007 832-101	90-74227-1	9BH 713 622-001
770 010 0 45	8KL 712 943-002	35332	8KW 045 145-003	19 25588 4	6FH 007 832-107	90-74229-7	9XT 713 630-251
770 010 1	8KL 712 948-002	35334	8KW 044 026-003	19 25588 4	9XT 714 300-041	90-74230-5	9XT 713 630-101
770 010 1 45	8KL 712 948-001	35335	8KW 044 040-003	19 25591 8	8HG 716 735-001	90-74232-1	9XT 713 630-711
770 010 1 75	8KL 712 948-002	35337	8KW 044 025-003	19 25591 8	8HG 716 735-007	90-74240-4	6RH 007 832-351
770 010 2	8KL 712 949-002	35540	8KW 044 280-003	19 72122 4	8KW 044 280-003	90-74241-2	6RH 007 832-331
770 010 2 45	8KL 712 949-001	35541	8KW 044 033-002	19 72122 4	8KW 044 280-004	90-74242-0	6GM 007 832-181
770 010 2 75	8KL 712 949-002	35542	8KW 044 034-003	19-25016-4	6GM 007 832-191	90-74243-8	9XT 713 630-131
770 010 3	8KL 712 945-002	4x0,75	8KL 712 987-001	19-25016-4	6GM 007 832-197	90799305	8SB 501 147-021
770 010 3 45	8KL 712 945-001	5009	8KW 043 629-013	19-25017-2	6FH 007 832-101	95-80157-7	8JD 004 588-001
770 010 3 75	8KL 712 945-002	625/16	8JS 089 015-003	19-25017-2	9XT 714 300-041	Hanomag-	HELLA
770 010 4	8KL 712 947-001	625/25	8JS 091 603-003	19-25021-2	9FF 713 627-001	Henschel	8JB 001 946-021
770 010 4 45	8KL 712 947-001	625/5	8JS 025 879-003	19-25022-0	8HG 716 734-001	000 0620 953	8JB 001 946-022
770 010 4 75	8KL 712 947-002	625/8	8JS 711 686-002	19-25022-0	8HG 716 734-007	000 0620 953	8JA 703 947-011
770 010 40	8KL 712 950-002	630/10	8JS 711 687-002	19-25022-8	8HG 716 735-001	000 1800 407	8JD 002 294-001
770 010 40 45	8KL 712 950-001	630/15	8JS 711 688-002	19-25023-8	8HG 716 735-007	000 1800 407	8JD 002 294-002
770 010 40 75	8KL 712 950-002	630/20	8JS 711 689-002	19-25027-9	8HG 716 735-007	000 1800 607	8JD 002 291-001
770 010 41	8KL 712 946-002	630/25	8JS 711 689-002	19-25033-5	9XT 713 630-201	000 1801 206	8JD 002 291-001
770 010 41 75	8KL 712 946-002	630/3	8JS 711 690-002	19-25035-7	6FG 002 315-001	000 1801 206	3AL 002 952-811
770 010 42	8KL 712 944-002	630/30	8JS 711 684-002	19255298	9XT 713 630-301	000 1801 206	3AL 002 952-817
770 010 42 75	8KL 712 944-002	630/5	8JS 711 684-002	19-25335-5	9XT 714 300-201	000 5088 65	3AL 002 952-817
770 010 5	8KL 712 952-002	630/7,5	8JS 711 685-002	19-25336-3	9XT 714 300-141	055109	6JF 001 572-001
770 010 5 45	8KL 712 952-001	6x0,75	8KL 712 989-001	19-25442-1	2AA 713 628-011	05511440	8KW 044 031-003
770 010 5 75	8KL 712 952-002	70/13	8JA 005 951-001	19-25443-9	9XT 734 713-341	05511440	8KW 044 022-004
770 010 6	8KL 712 957-002	70/24S	8JA 003 831-001	19-25444-7	9XT 714 300-181	05513140	8KW 044 023-003
770 010 6 45	8KL 712 957-001	70/7	8JA 001 930-003	19-25445-4	2AA 713 628-001	05513140	8KW 044 023-004
770 010 7 45	8KL 712 958-001	7013/72	8JA 005 952-011	19-25446-2	9XT 713 630-251	05712540	6ED 001 563-001
770 010 99	8KL 712 959-002	71/13	8JB 005 949-001	19255900	8HG 716 734-001	05712540	6ED 001 563-003
770 010 99 45	8KL 712 959-001	71/24/1	8JB 003 833-001	19255900	8HG 716 734-007	05712540	6ED 001 563-004
770 011 0 45	8KL 712 960-001	71/7	8JB 001 943-003	19-49501-9	8KX 091 451-031	05729640	8KV 002 132-001
770 011 0 45	8KL 712 960-002	712	8JB 004 123-001	19-49501-9	8KX 091 451-032	077 3941 386	9EY 111 231-001
770 011 00 45	8KL 712 962-001	713	8JB 002 286-021	19-49502-7	8KX 091 452-031	077 3941 760	8SB 002 992-001
770 011 00 45	8KL 712 962-002	713D	8JB 002 286-031	19-49502-7	8KX 091 452-032	159 9334 0	2AA 001 200-131
770 011 1 45	8KL 712 964-001	72	8JB 001 939-001	19-49502-7	8KX 091 452-032	1732 183 M1	6HF 001 579-052
770 011 10 45	8KL 712 965-001	73/7	8JA 001 918-002	19-49702-3	8KX 707 917-031	1732 184 M1	8JA 001 926-001
770 020 1 45	8KL 712 975-002	73/7	8JA 001 918-021	19-72002-8	8KW 044 033-002	185 7030 040	9EY 117 129-001
770 020 2 45	8KL 712 977-002	77/24-F	8JB 003 833-011	19-72002-8	8KW 044 034-003	20E-06-H9150	3AG 003 399-101
770 030 0 45	8KL 712 980-002	77/7	8JB 001 941-002	19-72116-6	8KW 044 033-002	20E-06-K1940	6BC 001 545-001
770 075	8KL 054 001-002	78/2	8JA 002 262-001	19721208	8KW 044 033-004	20K 0632 130	4RD 007 903-021
770 075 1	8KL 054 005-002	7x1	8KL 715 435-001	19-72703-1	8KV 705 123-002	20K 0632 130	4RD 007 903-027
770 075 1 75	8KL 054 005-002	7x1,5	8KL 712 997-001	19-72703-1	8KV 705 123-004	281 8585 M1	8JB 001 946-021
770 075 2	8KL 054 006-002	FLK1,0B	8KL 712 941-001	19-72801-3	8KV 002 136-001	281 8585 M1	8JB 001 946-022
770 075 2 75	8KL 054 006-002	FLK1,0R	8KL 712 940-001	19-72803-9	8KV 002 127-021	281 8585 M1	8JB 001 946-021
770 075 3	8KL 054 003-002	FLK1,0S	8KL 712 936-001	19-72930-0	8JA 003 526-001	281 8585 M1	8JB 001 946-022
770 075 4	8KL 054 004-002	FLK1,5B	8KL 712 949-001	19-72930-0	8JA 003 526-002	284 0534 M1	6FG 002 312-001
770 075 42	8KL 054 002-002	FLK1,5R	8KL 712 948-001	19-73102-5	8JS 089 015-003	284 0534 M1	6FG 002 312-002
770 075 75	8KL 054 011-002	FLK1,5S	8KL 712 943-001	19-73103-3	8JA 715 606-001	284 0534 M1	6FG 002 312-002
770 090 1	8KL 054 012-002	FLK16S	8KL 712 969-001	19-79118-5	8KL 712 960-001	284 267 M1	9EY 111 231-001
770 090 2	8KL 054 013-002	FLK2,5B	8KL 712 958-001	26 20540 1	8KL 712 960-002	289 8810 M91	3BA 002 768-382
770 090 4	8KL 054 011-002	FLK2,5R	8KL 712 957-001	26 20540 1	8KL 712 975-001	289 810 M91	3BA 002 768-382
770 090 9	8KL 054 014-002	FLK25S	8				



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Cross-reference

Hanomag-Henschel	HELLA	Herth + Buss	HELLA	Herth + Buss	HELLA	Herth + Buss	HELLA
3083 184 M91	8HK 710 702-191	50 251 022	8KW 744 710-003	50 252 123/66	8KW 044 039-812	50 252 612/99	8KW 732 574-003
3086 997 M1	8JB 001 935-031	50 251 023	8KW 744 711-003	50 252 124	8KW 044 277-003	50 252 613	8KW 732 576-003
3095 145 M91	4DB 001 887-041	50 251 030	8KW 044 280-003	50 252 124/66	8KW 044 277-812	50 252 613/99	8KW 732 576-003
322 7704 M91	8SB 002 992-001	50 251 033	8KW 044 034-003	50 252 125	8KW 744 775-003	50 252 614	8KW 732 578-003
322 7798 M1	9GH 045 833-001	50 251 060	8KW 744 712-003	50 252 159	8KW 744 776-003	50 252 614/99	8KW 732 578-003
3227 704 M91	8SB 002 992-001	50 251 061	8KW 744 713-003	50 252 160	8KW 044 029-003	50 252 615	8KW 744 755-003
32372440	8KW 044 025-003	50 251 062	8KW 744 714-003	50 252 161	8KW 044 030-003	50 252 618	8KW 744 757-003
3246 135 M1	8KV 002 127-003	50 251 063	8KW 744 715-003	50 252 162	8KW 044 031-003	50 252 619	8KW 744 758-003
3246 135 M1	8KV 002 127-007	50 251 100	8KW 744 716-003	50 252 163	8KW 044 038-003	50 252 622	8KW 732 566-003
3246 183 M1	8HL 707 877-012	50 251 101	8KW 744 717-003	50 252 170	8KW 744 839-003	50 252 622/99	8KW 732 566-003
381 8102 616	8SB 003 978-041	50 251 102	8KW 744 718-003	50 252 171	8KW 744 840-003	50 252 623	8KW 732 567-003
38521340	8EZ 008 022-011	50 251 103	8KW 746 782-003	50 252 172	8KW 744 841-003	50 252 623/99	8KW 732 567-003
4099 65M 1	8JB 001 941-001	50 251 120	8KW 746 782-003	50 252 173	8KW 744 842-003	50 252 625	8KW 732 568-003
4099 65M 1	8JB 001 941-002	50 251 159	8KW 744 720-003	50 252 174	8KW 744 843-003	50 252 625/99	8KW 732 568-003
421 06H9 030	3BA 002 768-201	50 251 160	8KW 744 721-003	50 252 175	8KW 744 844-003	50 252 626	8KW 732 569-003
421 06H9 031	3BA 002 768-201	50 251 161	8KW 744 722-003	50 252 176	8KW 744 845-003	50 252 626/99	8KW 732 569-003
4210 0H0 650	8JB 001 944-011	50 251 162	8KW 744 723-003	50 252 177	8KW 744 846-003	50 252 627	8KW 744 761-003
4210 6H9 010	3BA 002 768-427	50 251 193	8KW 744 817-003	50 252 178	8KW 744 847-003	50 252 628	8KW 744 762-003
42106H9110	3AF 003 399-061	50 251 194	8KW 744 817-003	50 252 210	8KW 744 777-003	50 252 629	8KW 744 763-003
4240141M91	3AL 002 952-841	50 251 205	8KW 744 828-003	50 252 212	8KW 744 778-003	50 252 631	8KW 744 765-003
4241 531 M91	3AL 002 952-827	50 251 205	8KW 733 815-003	50 252 213	8KW 744 779-003	50 252 632	8KW 744 766-003
42U0 6H1 3150	3AL 002 952-827	50 251 212	8KW 701 235-033	50 252 214	8KW 744 780-003	50 252 633	8KW 744 767-003
42U0613150	3AL 002 952-827	50 251 213	8KW 744 819-003	50 252 222	8KW 744 782-003	50 252 634	8KW 744 768-003
42U0613151	3AL 002 952-827	50 251 213/99	8KW 701 235-033	50 252 223	8KW 044 282-003	50 252 639	8KW 744 890-013
44030599	8JA 002 262-001	50 251 217	8KW 744 819-003	50 252 222	8KW 744 783-003	50 252 639/66	8KW 744 890-013
44030599	8JA 002 262-003	50 251 221	8KW 744 819-003	50 252 260	8KW 744 784-003	50 252 639/99	8KW 744 890-013
44030799	8JB 001 946-021	50 251 222	8KW 043 629-013	50 252 261	8KW 744 785-003	50 252 640	8KW 744 887-013
44030799	8JB 001 946-021	50 251 222	8KW 043 630-014	50 252 261	8KW 744 786-003	50 252 640/66	8KW 744 887-013
4901 672 M1	6RH 004 570-151	50 251 226	8KW 043 636-003	50 252 301	8KW 044 037-003	50 252 640/99	8KW 744 887-013
4901 673 M1	6FH 004 570-501	50 251 227	8KW 700 144-003	50 252 400	8KW 744 769-003	50 252 641	8KW 744 888-013
4901 674 M1	9FF 713 627-011	50 251 228	8KW 701 671-003	50 252 410	8KW 744 770-003	50 252 641/66	8KW 744 888-013
4901 684 M1	6GM 004 570-201	50 251 250	8KW 744 724-003	50 252 411	8KW 744 771-003	50 252 641/99	8KW 744 888-013
501 1800 031	6JF 001 571-001	50 251 251	8KW 744 725-003	50 252 500	8KW 705 393-003	50 252 642	8KW 744 889-013
504 1810 014	8JB 001 940-001	50 251 252	8KW 744 726-003	50 252 500/66	8KW 705 393-812	50 252 642/66	8KW 744 889-013
50730999	8KV 002 139-001	50 251 267	8KW 701 671-003	50 252 505	8KW 705 392-003	50 252 642/99	8KW 744 889-013
50941798	8JS 711 686-002	50 251 270	8KW 744 821-003	50 252 505	8KW 705 392-812	50 253 312	8KW 744 889-013
50941798	8JS 711 686-007	50 251 317	8KW 744 820-003	50 252 508	8KW 744 697-003	50 253 314	8KW 863 932-013
582 9547 09	8SB 002 997-001	50 251 322	8KW 863 927-033	50 252 508	8KW 744 698-003	50 253 315	8KW 863 930-003
595 9751 910	8SB 002 991-001	50 251 323	8KW 863 927-023	50 252 510/03	8KW 044 036-012	50 253 316	8KW 863 934-013
595 9752 210	8SB 002 991-001	50 251 349	8KW 744 727-003	50 252 510/03	8KW 044 036-812	50 253 318	8KW 863 930-013
716 9357 17	8JA 002 263-001	50 251 350	8KW 744 728-003	50 252 510/66	8KW 044 036-812	50 253 319	8KW 863 928-003
751 5585 22	8KX 091 394-001	50 251 351	8KW 744 729-003	50 252 510/99	8KW 044 036-003	50 253 320	8KW 863 928-013
751 8700 07	2AA 001 200-151	50 251 422	8KW 744 825-003	50 252 511	8KW 044 022-003	50 253 323	8KW 863 951-003
751 8700 18	6BG 001 545-001	50 251 500	8KW 744 730-003	50 252 511/03	8KW 044 022-822	50 253 324	8JD 743 710-001
960021	6HD 002 535-101	50 251 501	8KW 744 731-003	50 252 511/66	8KW 044 022-822	50 253 324	8KW 863 951-013
B 961 713 242 06	8KV 705 123-002	50 251 502	8KW 744 732-003	50 252 511/99	8KW 044 022-003	50 253 325	8KW 863 951-023
B 961 713 242 06	8KV 705 123-004	50 251 515	8KW 744 834-003	50 252 512	8KW 044 023-003	50 253 326	8KW 744 889-013
B 969 071 282 010	2AA 001 200-131	50 251 520	8KW 043 635-013	50 252 513	8KW 044 024-003	50 253 327	8KW 744 837-002
B 969 171 324 201	6BA 001 539-001	50 251 521	8KW 043 635-013	50 252 514	8KW 700 142-003	50 253 327	8KW 708 373-003
B 969 171 324 201	6BA 001 539-007	50 251 521	8KW 744 823-003	50 252 519	8KW 744 699-003	50 254 210/66	8KW 708 373-812
B 969 171 324 202	8SB 002 992-001	50 251 522	8KW 048 056-033	50 252 520	8KW 702 796-003	50 254 211	8KW 708 374-003
B 969 171 324 213	8PD 004 509-001	50 251 523	8KW 744 832-003	50 252 521	8KW 044 288-003	50 254 211/66	8KW 708 374-812
B 969 171 346 206	6ZE 001 759-071	50 251 525	8KW 744 752-003	50 252 521/66	8KW 044 288-812	50 254 215	8KW 744 374-003
B 969 271 409 203	8KX 043 021-031	50 251 561	8KX 707 925-003	50 252 522	8KW 744 700-003	50 254 216	8KW 744 704-003
B 969 271 409 203	8KX 043 021-032	50 251 562	8KX 707 924-003	50 252 530	8KW 045 145-003	50 254 217	8KW 744 705-003
B 969 271 409 204	8KX 091 452-031	50 251 622	8KW 744 833-003	50 252 530/66	8KW 045 145-812	50 265 806	8HS 749 193-002
B 969 271 409 204	8KX 091 452-032	50 251 700	8KW 746 779-003	50 252 531	8KW 044 026-003	50 265 812	8HS 749 192-022
B 969 271 409 205	8JS 711 686-002	50 251 701	8KW 746 778-003	50 252 531/03	8KW 044 026-812	50 265 815	8HS 749 193-032
B 969 271 409 206	8JS 711 686-002	50 251 703	8KW 863 917-013	50 252 531/66	8KW 044 026-812	50 265 820	8HS 749 194-012
B 969 271 409 206	8JS 711 686-007	50 251 808	8KW 863 917-013	50 252 532	8KW 044 040-003	50 265 831	8HS 749 192-002
B 969 271 409 207	8JS 711 687-002	50 251 809	8KW 863 924-003	50 252 532/66	8KW 044 040-812	50 266 225	8HS 071 414-001
B 969 271 409 207	8JS 711 687-007	50 251 810	8KW 863 918-003	50 252 533	8KW 044 025-003	50 266 226	8HS 071 415-001
B 969 271 456 010	8JB 001 939-001	50 251 811	8KW 863 945-003	50 252 533/03	8KW 044 025-812	50 266 232	8HS 071 415-001
B 969 271 456 011	8JA 005 951-001	50 251 812	8KW 863 918-013	50 252 533/66	8KW 044 025-812	50 266 233	8HS 071 415-001
B 969 271 456 011	8JA 005 951-003	50 251 813	8KW 863 926-003	50 252 536	8KW 744 734-003	50 266 393	8HL 707 877-032
X 860 400 021 771	5WA 001 871-041	50 251 814	8KW 863 926-013	50 252 537	8KW 744 733-003	50 266 398	8HL 707 877-121
X 860 400 021 831	8JA 001 926-001	50 251 815	8KW 863 916-003	50 252 540	8KW 044 280-003	50 266 397	8HL 707 877-081
X 860 460 000 140	8JD 002 294-001	50 251 816	8KW 863 919-003	50 252 541	8KW 044 033-002	50 266 398	8HL 707 877-091
X 860 460 000 140	8JD 002 294-002	50 251 817	8KW 863 919-013	50 252 541/03	8KW 044 033-812	50 266 400	8HL 707 877-101
X 862 170 153 311	8JB 001 946-031	50 251 818	8KW 863 925-003	50 252 541/66	8KW 044 033-812	50 266 402	8HL 707 877-131
X 880 000 920 644	2AA 001 200-001	50 251 819	8KW 863 925-013	50 252 543	8KW 044 034-003	50 266 404	8HL 707 877-131
X 880 000 920 651	2AA 001 200-021	50 251 822	8KW 054 948-003	50 252 550	8KW 700 143-003	50 266 496	8HL 717 962-181
X 880 000 921 222	2AA 001 200-011	50 251 824	8KW 054 947-003	50 252 551	8KW 044 032-003	50 266 496	8HL 717 962-013
X 880 000 921 222	2AA 001 200-012	50 251 826	8KW 863 934-003	50 252 551/03	8KW 044 032-812	50 266 510	8HL 185 549-021
X 880 000 921 223	2AA 001 200-031	50 251 827	8KW 863 927-003	50 252 551/66	8KW 044 032-812	50 266 511	8HL 185 549-031
X 880 000 921 241	8JD 002 289-001	50 251 828	8KW 863 923-003	50 252 552	8KW 732 579-003	50 266 512	8HL 185 549-041
X 880 000 921 243	8JB 004 123-001	50 251 829	8KW 863 922-003	50 252 552/66	8KW 732 579-003	50 266 513	8HL 185 549-051
X 880 000 921 243	8JB 004 123-002	50 251 832	8KW 863 916-013	50 252 552/99	8KW 732 579-003	50 266 514	8HL 717 962-061
X 880 000 921 246	8JA 002 262-001	50 25					

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Cross-reference



Herth + Buss	HELLA	Herth + Buss	HELLA	Herth + Buss	HELLA	Herth + Buss	HELLA
50 272 116	9MJ 707 875-013	50 295 292	8JS 713 575-281	50 295 547	8JS 728 595-181	50 300 628	8JD 005 993-051
50 272 150	9MJ 735 430-001	50 295 293	8JS 713 575-291	50 295 547/66	8JS 728 595-101	50 300 647	8JD 005 993-051
50 272 155	9MJ 186 375-011	50 295 294	8JS 713 575-231	50 295 548	8JS 728 595-191	50 300 647	8JD 005 993-061
50 28 2048/99	9GD 746 185-002	50 295 295	8JS 713 575-251	50 295 548/66	8JS 728 595-111	50 300 810	8JD 002 290-001
50 281 070	9GT 735 641-012	50 295 296	8JS 713 575-261	50 295 572	8JS 728 596-081	50 300 818	8JD 005 993-061
50 282 040	9GD 863 952-012	50 295 297	8JS 713 575-301	50 295 572/66	8JS 728 596-861	50 300 823	8JD 005 993-112
50 282 041	9GD 863 952-002	50 295 299	8JS 713 575-311	50 295 573	8JS 728 596-101	50 300 824	8JD 005 993-122
50 282 042	9GD 863 953-012	50 295 309	8JS 704 073-003	50 295 573/66	8JS 728 596-881	50 390 236	8JD 743 557-011
50 282 043	9GD 863 953-002	50 295 310	8JS 025 889-003	50 295 574	8JS 728 596-121	50 390 430	8JD 743 557-801
50 282 044	9GD 863 954-012	50 295 311	8JS 089 015-003	50 295 574	8JS 728 596-801	50 390 431	8JD 743 557-811
50 282 045	9GD 863 954-002	50 295 312	8JS 091 603-003	50 295 574/66	8JS 728 596-801	50 390 825	8KW 744 805-801
50 282 046	9GD 863 961-012	50 295 330	8JS 740 026-731	50 295 575	8JS 728 596-131	50 390 826	8KW 744 806-801
50 282 047	9GD 863 961-022	50 295 331	8JS 740 026-741	50 295 575	8JS 728 596-811	50 390 827	8KW 744 807-801
50 282 048	9GD 746 185-002	50 295 332	8JS 740 026-751	50 295 575/66	8JS 728 596-811	50 390 828	8KW 744 808-801
50 282 049	9GD 746 187-002	50 295 333	8JS 740 026-761	50 295 576	8JS 728 596-111	50 390 829	8KW 744 809-801
50 290 025	8KV 177 785-017	50 295 334	8JS 740 026-771	50 295 576/66	8JS 728 596-891	50 390 830	8KW 744 810-801
50 290 027	8KV 177 785-007	50 295 335	8JS 740 026-781	50 295 577	8JS 728 596-141	51 271 041	8JR 178 587-002
50 290 038/33	8KV 003 284-001	50 295 401	8JS 711 683-011	50 295 577/66	8JS 728 596-821	51 271 091	8JR 178 587-012
50 290 038033	8KV 003 284-001	50 295 402	8JS 711 683-021	50 295 578	8JS 728 596-151	51 273 317	9MJ 007 825-061
50 290 056	8KV 002 135-821	50 295 403	8JS 711 683-002	50 295 578	8JS 728 596-831	51 273 319	9MJ 007 825-001
50 290 057	8KV 003 124-811	50 295 405	8JS 711 683-002	50 295 578/66	8JS 728 596-831	51 273 320	9MJ 007 825-001
50 290 061	8KV 002 127-003	50 295 407	8JS 711 685-002	50 295 579	8JS 728 596-161	51 273 321	9MJ 007 825-021
50 290 061/66	8KV 002 127-801	50 295 410	8JS 711 687-002	50 295 579/66	8JS 728 596-841	51 273 322	9MJ 007 825-051
50 290 065	8KV 002 136-001	50 295 415	8JS 711 688-002	50 295 580	8JS 728 596-091	51 273 323	9MJ 007 825-071
50 290 066	8KV 002 127-003	50 295 420	8JS 711 689-002	50 295 580/66	8JS 728 596-871	51 273 324	9MJ 007 825-061
50 290 067	8KV 002 127-021	50 295 425	8JS 711 689-002	50 295 581	8JS 728 596-171	51 273 324	9MJ 007 825-071
50 290 068	8KV 002 127-011	50 295 430	8JS 711 689-002	50 295 581/66	8JS 728 596-851	51 273 621	9MJ 008 039-001
50 290 079	8KV 002 136-011	50 295 432	8JS 740 026-011	50 295 582	8JS 728 596-851	51 273 622	9MJ 008 039-001
50 290 092	8JD 743 136-001	50 295 433	8JS 740 026-011	50 295 582	8JS 728 596-262	51 273 622	9MJ 008 039-041
50 290 092	8JD 743 136-007	50 295 434	8JS 740 026-021	50 295 583	8JS 728 596-272	51 273 625	9MJ 008 039-051
50 290 093	8KV 714 340-002	50 295 435	8JS 740 026-031	50 295 591	8JS 728 596-282	51 273 626	9MJ 008 039-061
50 290 094	8KV 004 418-004	50 295 436	8JS 740 026-041	50 295 592	8JS 728 596-292	51 274 206/00	8KL 054 001-002
50 290 095	8JD 743 557-031	50 295 443	8JS 740 026-201	50 295 593	8JS 728 596-302	51 274 206/01	8KL 054 002-002
50 290 221	8JD 008 151-001	50 295 444	8JS 740 026-241	50 295 594	8JS 728 596-312	51 274 206/02	8KL 054 003-002
50 290 241	8JA 180 663-032	50 295 445	8JS 740 026-251	50 295 594	8JS 728 596-322	51 274 206/03	8KL 712 929-011
50 290 250	8JD 008 151-041	50 295 446	8JS 740 026-211	50 295 595	8JS 728 596-332	51 274 206/04	8KL 054 004-002
50 290 251	8JD 008 152-041	50 295 447	8JS 740 026-261	50 295 596	8JS 728 596-342	51 274 206/05	8KL 054 005-002
50 290 252	8JD 008 151-051	50 295 448	8JS 740 026-221	50 295 597	8JS 728 596-352	51 274 206/06	8KL 054 006-002
50 290 253	8JD 008 152-051	50 295 449	8JS 740 026-231	50 295 598	8JS 711 683-202	51 274 206/07	8KL 054 007-002
50 290 265	8JA 715 606-001	50 295 450	8JS 740 026-271	50 295 599	8JS 711 683-212	51 274 207/00	8KL 054 008-002
50 290 274	8JD 008 151-011	50 295 453	8JS 740 026-311	50 295 850	8JS 711 683-222	51 274 207/01	8KL 054 009-002
50 290 275	8JD 008 152-011	50 295 454	8JS 740 026-321	50 295 851	8JS 711 683-232	51 274 207/02	8KL 054 010-002
50 290 278	8JD 008 152-001	50 295 455	8JS 740 026-331	50 295 852	8JS 711 683-242	51 274 207/03	8KL 054 011-002
50 290 279	8JD 008 151-021	50 295 456	8JS 740 026-341	50 295 853	8JS 711 683-252	51 274 207/04	8KL 054 012-002
50 290 280	8JD 008 152-021	50 295 457	8JS 740 026-351	50 295 854	8JS 711 683-262	51 274 207/05	8KL 054 013-002
50 290 284	8JD 008 151-061	50 295 458	8JS 740 026-301	50 295 855	8JS 711 683-272	51 274 207/06	8KL 054 014-002
50 290 285	8JD 008 151-031	50 295 459	8JS 740 026-361	50 295 856	8JS 742 901-061	51 274 208/00	8KL 712 943-002
50 290 286	8JD 008 152-031	50 295 460	8JS 740 026-371	50 295 857	8JS 742 901-001	51 274 208/01	8KL 712 944-002
50 290 289	8JA 003 526-001	50 295 462	8JS 740 026-501	50 295 858	8JS 742 901-011	51 274 208/02	8KL 712 945-002
50 290 297	8JD 008 151-051	50 295 463	8JS 740 026-511	50 295 859	8JS 742 901-021	51 274 208/03	8KL 712 946-002
50 290 344	8JD 743 710-001	50 295 464	8JS 740 026-521	50 295 860	8JS 742 901-041	51 274 208/04	8KL 712 947-002
50 290 672	8JB 742 649-001	50 295 465	8JS 740 026-531	50 295 861	8JS 742 901-051	51 274 208/05	8KL 712 948-002
50 290 805	8JA 180 664-002	50 295 466	8JS 740 026-541	50 295 862	8JS 742 901-071	51 274 208/06	8KL 712 949-002
50 290 806	8JA 180 664-012	50 295 467	8JS 740 026-551	50 295 863	8JS 742 902-001	51 274 209/00	8KL 712 950-002
50 290 807	8JA 180 664-022	50 295 468	8JS 740 026-561	50 295 864	8JS 742 902-011	51 274 209/01	8KL 712 951-002
50 290 815	8JA 180 663-002	50 295 469	8JS 740 026-571	50 295 865	8JS 742 902-021	51 274 209/02	8KL 712 952-002
50 290 816	8JA 180 663-012	50 295 470	8JS 740 026-601	50 295 870	8JS 742 902-031	51 274 209/03	8KL 712 953-002
50 290 817	8JA 180 663-022	50 295 471	8JS 740 026-611	50 295 871	8JS 742 902-041	51 274 209/04	8KL 712 954-002
50 290 826	8JA 746 184-022	50 295 472	8JS 740 026-701	50 295 872	8JS 742 902-071	51 274 209/05	8KL 712 955-002
50 290 827	8JA 746 184-032	50 295 473	8JS 740 026-711	50 295 873	8JS 742 902-091	51 274 209/06	8KL 712 956-002
50 290 828	8JA 746 184-042	50 295 474	8JS 740 026-721	50 295 874	8JS 742 902-091	51 274 210/00	8KL 712 959-002
50 290 829	8JA 746 184-052	50 295 476	8JS 740 026-101	50 295 875	8JS 747 876-001	51 274 210/05	8KL 712 960-002
50 290 830	8JA 746 184-062	50 295 477	8JS 740 026-111	50 295 880	8JS 747 876-011	51 274 210/06	8KL 712 962-002
50 290 835	8JA 746 183-012	50 295 478	8JS 740 026-401	50 295 881	8JS 747 876-021	51 274 227	8KL 712 980-002
50 290 836	8JA 746 183-022	50 295 479	8JS 740 026-411	50 295 882	8JS 747 876-031	51 274 238/00	8KL 712 975-002
50 290 837	8JA 746 183-032	50 295 480	8JS 740 026-421	50 295 883	8JS 747 876-041	51 275 017/00	8KL 712 984-001
50 290 838	8JA 746 183-042	50 295 481	8JS 740 026-431	50 295 884	8JS 747 876-051	51 275 025/05	8KL 712 980-032
50 290 839	8JA 746 183-052	50 295 482	8JS 740 026-441	50 295 885	8JS 747 876-061	51 275 027/75	8KL 712 980-002
50 290 840	8JA 746 183-062	50 295 501	8JS 711 683-011	50 295 886	8JS 747 876-061	51 275 106/00	8KL 712 929-001
50 291 021	8KV 002 139-001	50 295 501/66	8JS 711 683-021	50 295 887	8JS 747 876-071	51 275 106/01	8KL 712 930-001
50 291 023	8KV 002 140-001	50 295 502	8JS 711 683-031	50 295 888	8JS 747 876-081	51 275 106/02	8KL 712 931-001
50 291 031	8KV 002 139-001	50 295 502/66	8JS 711 683-041	50 295 900	8JS 174 320-001	51 275 106/03	8KL 712 933-001
50 291 032	8KV 002 140-001	50 295 503	8JS 711 683-002	50 295 901	8JS 174 320-011	51 275 106/04	8KL 712 934-001
50 291 033	8KV 002 141-001	50 295 503/66	8JS 711 683-002	50 295 902	8JS 174 320-021	51 275 106/05	8KL 712 935-001
50 291 041	8KV 002 132-001	50 295 503/99	8JS 711 683-002	50 295 903	8JS 174 320-031	51 275 107/00	8KL 712 936-001
50 291 041/66	8KV 002 132-001	50 295 505	8JS 711 684-002	50 295 904	8JS 174 320-041	51 275 107/01	8KL 712 937-001
50 291 042	8KV 002 133-001	50 295 505/66	8JS 711 684-821	50 295 905	8JS 174 320-051	51 275 107/02	8KL 712 938-001
50 295 005	8JS 713 550-003	50 295 505/99	8JS 711 684-002	50 295 906	8JS 174 320-061	51 275 107/03	8KL 712 939-001
50 295 010	8JS 713 575-112	50 295 507	8JS 711 685-002	50 295 907	8JS 174 320-071	51 275 107/04	8KL 712 940-001
50 295 011	8JS 713 575-122	50 295 507/66	8JS 711 685-821	50 295 921	8JS 174 326-001	51 275 107/06	8KL 712 941-001
50 295 012	8JS 713 575-132	50 295 507/99	8JS 711 685-002	50 295 922	8JS 174 326-011	51 275 107/07	8KL 712 942-001
50 295 013	8JS 713 575-152	50 295 510	8JS 711 686-002	50 295 923	8JS 174 326-021	51 275 108/00	8KL 712 943-001
50 295 014	8JS 713 575-162	50 295 510/66	8JS 711 686-002	50 295 924	8JS 174 326-031	51 275 108/01	8KL 712 944-001
50 295 015	8JS 713 575-172	50 295 510/99	8JS 711 687-002	50 295 926	8JS 174 326-041	51 275 108/02	8KL 712 945-001
50 295 032	8JS 704 073-003	50 295 515	8JS 711 687-002	50 295 927			



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Cross-reference

Herth + Buss	HELLA	Herth + Buss	HELLA	Herth + Buss	HELLA	Holder	HELLA
51 275 128/30	8KL 717 461-001	51 305 527	8JA 001 930-003	65 451 036	8TW 005 206-011	022599	6DD 001 551-011
51 275 138/00	8KL 712 975-001	51 305 527	8JA 005 476-001	65 451 036	8TW 005 206-031	022599	6DD 001 551-017
51 275 139/00	8KL 712 976-001	51 305 535	8JA 001 916-001	65 451 037	8TW 006 847-001	023129	6TA 003 394-011
51 275 146/00	8KL 735 190-001	51 305 541	8JA 007 644-041	65 451 038	8TW 006 847-021	023129	6TA 003 394-017
51 275 422 000	8KL 178 452-002	51 305 543	8JA 002 663-001	65 451 039	8TW 005 206-051	025828	8JA 002 263-001
51 275 422/00	8KL 178 452-002	51 305 543	8JA 002 263-031	65 451 044	8TW 006 848-021	028762	6EH 007 832-021
51 275 436/00	8KL 713 737-001	51 305 551	8JA 007 644-041	65 451 044	8TW 006 848-041	028762	6EH 007 832-022
51 275 457 000	8KL 178 453-002	51 305 555	8JA 007 644-051	70 460 021	6AJ 001 751-021	028762	6EH 007 832-027
51 275 457/00	8KL 178 453-002	51 305 557	8JA 007 644-051	70 465 020	6EK 002 843-001	028762	6RH 007 832-451
51 275 498 000	8KL 178 454-002	51 305 584	8JA 003 832-001	70 475 016	6BB 001 540-001	030160	6RH 007 832-351
51 275 498/00	8KL 178 454-002	51 305 587	8JA 003 831-001	70 485 010	6DD 001 551-001	030735	6EH 007 832-041
51 275 499 000	8KL 178 456-002	51 305 589	8JA 008 084-001	70 511 113	6ZF 182 914-031	030766	9XT 734 713-591
51 275 499/00	8KL 178 456-002	51 305 590	8JA 008 084-011	70 511 157	6ED 004 778-021	030766	9XT 740 763-341
51 275 527/00	8KL 713 740-032	51 305 598	8JA 003 832-011	70 580 059	6ZF 004 365-041	030766	9XT 740 763-381
51 275 528/00	8KL 713 740-001	51 305 630	8JA 005 951-001	70 580 068	6ZF 004 365-011	030767	9XT 713 630-221
51 275 537/00	8KL 713 741-001	51 305 635	8JA 002 263-011	70 580 071	6ZF 004 365-031	030769	6RH 007 832-731
51 275 538/00	8KL 713 742-001	51 305 639	8JB 007 242-011	70 580 110	6ZF 004 229-011	030770	9XT 714 300-771
51 275 548/00	8KL 713 744-001	51 305 642	8JB 007 242-011	70 590 110	6ED 001 563-001	030771	9XT 713 630-391
51 275 558/00	8KL 715 436-001	51 305 642	8JB 007 242-021	75 605 057	4DM 003 360-021	030772	9XT 713 630-281
51 275 578/00	8KL 715 437-001	51 305 645	8JA 005 952-061	75 605 080	4DB 007 218-001	030773	9XT 713 630-701
51 275 626/00	8KL 177 370-032	51 305 820	8JA 001 925-001	75 605 126	4DM 004 639-061	030774	9XT 714 300-011
51 275 627/00	8KL 177 370-042	51 305 821	8JB 002 281-011	75 605 126	4DW 004 513-021	030775	9XT 713 630-301
51 275 627/00	8KL 712 991-001	51 305 916	8JA 001 931-041	75 605 139	4DW 003 944-071	030776	9XT 713 630-311
51 275 628/00	8KL 177 370-052	51 306 001	8KA 007 589-091	75 613 113	4RA 003 530-001	030777	6HH 007 832-301
51 275 628/00	8KL 712 992-001	51 306 003	8ES 007 589-121	75 613 113	4RA 003 530-007	030778	6FH 007 832-081
51 275 638/00	8KL 712 993-001	51 306 018	8JA 001 921-102	75 613 114	4RA 965 400-001	030778	6FH 007 832-087
51 275 645/00	8KL 742 810-001	51 306 018	8JA 002 252-103	75 613 121	4RA 965 400-001	030819	9GH 993 984-001
51 275 647/00	8KL 712 994-001	51 306 018	8JA 004 667-001	75 613 122	4RA 965 400-031	030819	9GH 993 984-007
51 275 648/00	8KL 712 995-001	51 306 031	8JA 001 915-001	75 613 126	4RA 007 793-031	030848	6HH 007 832-771
51 275 650/00	8KL 712 996-001	51 306 043	8JA 007 589-052	75 613 127	4RA 007 957-001	030849	6RH 007 832-421
51 275 658/00	8KL 715 434-001	51 306 051	8JA 002 262-001	75 613 152	4RD 007 903-011	030850	9XT 713 630-121
51 275 677/00	8KL 715 435-001	51 306 060	8JA 007 589-011	75 613 156	4RD 007 794-021	030852	9XT 713 630-401
51 275 678/00	8KL 712 997-001	51 306 062	8JA 007 589-032	75 613 157	4RD 933 332-071	030859	6GM 007 832-251
51 275 688/00	8KL 713 735-001	51 306 068	8JA 007 589-042	75 614 033	4RP 008 189-081	030871	8HG 714 504-001
51 275 726/00	8KL 712 986-001	51 306 125	8JA 007 589-001	75 614 035	4RV 008 188-191	031060	2AA 713 628-021
51 275 746/00	8KL 712 988-001	51 306 255	8JA 007 589-062	75 614 036	4RV 008 188-171	031061	9XT 713 630-691
51 275 813/00	8KL 713 750-001	51 306 256	8JA 007 589-141	75 614 036	4RV 008 188-181	031107	6GM 007 832-211
51 275 814/00	8KL 713 751-001	51 306 256	8KX 008 032-001	75 614 042	4RP 008 189-041	031115	9XT 740 763-511
51 275 815/00	8KL 713 752-001	51 306 341	8KA 007 589-081	75 614 062	4RP 008 189-071	031203	6RH 007 832-491
51 275 816/00	8KL 712 972-001	51 306 342	8KA 007 589-101	75 614 062	4RP 008 189-081	032672	6RH 007 832-391
51 275 816/00	8KL 713 753-001	51 306 343	8JA 007 589-111	75 614 064	4RP 008 189-091	032673	6FH 007 832-621
51 275 817/00	8KL 713 753-011	51 306 510	8JB 001 946-001	75 614 073	4RV 008 188-161	032676	8JS 713 575-231
51 275 818/00	8KL 713 753-021	51 306 512	8JB 001 946-041	75 614 075	4RV 008 188-161	032752	9XT 713 630-101
51 276 507	8KA 010 807-001	51 306 518	8JB 001 946-021	75 614 077	4RP 008 189-051	032776	9XT 714 300-381
51 276 510	8KA 004 797-071	51 306 518	8JB 004 777-001	75 614 087	4RV 008 188-081	138306	6EK 002 843-131
51 276 511	8KA 004 797-081	51 306 525	8JB 004 123-001	75 614 121	4RP 008 189-051	141334	8SB 004 288-103
51 276 513	8KA 004 797-031	51 306 533	8JB 004 123-032	75 614 184	4RP 008 189-041	141335	8KA 003 806-001
51 276 514	8KA 007 965-011	51 306 710	8JB 001 946-041	75 614 187	4RP 008 189-061	147284	8HG 713 626-001
51 276 520	8KA 004 797-041	51 306 721	8JB 001 946-011	75 614 188	4RP 008 189-061	148257	8XY 004 735-001
51 276 521	8KA 004 797-051	51 306 721	8JB 001 946-082	76 100 002	8ES 006 658-001	148699	5HE 996 152-151
51 276 522	8KA 004 797-021	51 306 722	8JB 004 777-001	79 381 047	8SB 003 614-001	153846	3SL 009 148-011
51 276 523	8KA 007 648-061	51 306 750	8JB 001 946-072	79 381 049	8SB 003 609-061	155828	6BB 001 540-001
51 276 532	8KA 004 797-101	51275427/00	8KL 178 452-012	79 381 077	8SB 501 273-001	155828	8JD 743 557-081
51 276 543	8JA 005 952-001	51275427000	8KL 178 452-012	79 381 086	8SB 501 137-031	5011800031	6JF 001 571-001
51 276 553	8KA 004 797-111	51306443	8KL 178 452-012	79 382 029	9EY 120 010-001	5041800009	8KV 002 127-003
51 276 556	8KA 007 648-021	52 285 032	8KX 747 875-001	79 382 041	9EY 117 124-001	5041800009	8KV 002 127-007
51 276 567	8KA 007 648-001	52 285 033	8KX 747 875-011	79 382 051	9MX 561 449-001	5041800009	8KV 002 136-001
51 276 569	8JA 005 952-001	52 285 040	8KX 091 451-032	79 382 104	9EY 120 010-001	5041810014	8JB 001 940-001
51 276 574	8KA 007 648-011	52 285 041	8KX 091 452-032	79 382 182	9EY 561 814-001	797238	9FF 713 627-001
51 276 588	8JA 005 952-041	52 285 050	8KX 091 450-032	79 382 183	9MX 561 890-001	910020	6GM 004 570-221
51 276 598	8KA 007 648-041	52 285 051	8KX 043 021-032	79 382 231	9MX 564 215-012	910020	6GM 004 570-227
51 305 113	8JB 001 933-031	52 285 070	8KX 716 405-001	79 382 531	9MX 560 096-002	910022	6EH 004 570-621
51 305 114	8JB 001 944-011	52 285 071	8KX 716 405-011	79 382 531	9MX 561 891-001	910023	9XT 713 630-751
51 305 117	8JB 001 941-002	52 285 072	8KX 742 695-032	79 382 551	9MX 561 449-001	910024	8JA 715 600-001
51 305 117/66	8JB 001 941-001	52 285 073	8KX 742 695-022	90 940 010/01	8PD 003 798-001	910025	8JA 713 631-001
51 305 117/66	8JB 001 941-002	52 285 080	8KX 707 911-001	90 940 10/66	8PD 003 798-001	910025	8JA 713 631-007
51 305 127	8JB 001 941-001	52 285 081	8KX 707 911-011	90 942 040	8PE 002 006-001	910073	8KW 044 040-003
51 305 127	8JB 001 943-003	52 285 082	8KX 091 453-001	90 942 401	8PE 713 576-021	910073	8KW 044 040-004
51 305 128	8JB 001 943-011	52 285 120	8KX 707 912-001	90 945 340	8PE 713 576-011	910080	8JA 007 024-001
51 305 131	8HG 005 949-011	52 285 121	8KX 707 912-011	91 970 304	8PD 006 542-001		
51 305 132	8HG 005 953-001	52 285 128	8KX 707 913-011	95 942 165	8PE 863 807-001		
51 305 133	8JB 001 933-011	52 285 129	8KX 707 913-001	95 980 540	8PD 004 508-011		
51 305 138	8JB 005 949-041	52 285 150	9MJ 747 877-001	95 980 656	8PD 004 508-031		
51 305 142	8JB 007 645-021	52 287 025	8KX 091 392-001	95 980 723	8PD 007 216-001		
51 305 148	8HG 007 647-001	52 287 030	8KX 091 394-001	98 980 549	8PD 007 216-001		
51 305 169	9GD 735 641-001	52 287 035	8KX 719 756-001	A0 086 978	6NM 007 878-501		
51 305 220	8JB 001 941-041	52 287 040	8KX 719 757-001	A0 087 299	6NM 007 878-041		
51 305 227	8JB 006 462-001	52 287 050	8KX 719 757-012	A0 087 538	6NM 007 282-211		
51 305 240	8JA 007 241-031	52 287 812	8KX 707 917-021	10 892 678	4DW 002 834-121		
51 305 251	8JB 007 645-021	52 287 814	8KX 707 917-031	10 899 102	4RV 008 188-161	132011	4RP 008 189-041
51 305 255	8JB 007 645-031	52 287 831	8KX 707 916-001	10 899 123	4RV 008 188-031	132014	4RP 008 189-051
51 305 256	8JB 007 645-031	52 287 834	8KX 707 916-011	10 899 136	4RV 008 188-171	132022	4RP 008 189-081
51 305 284	8JB 003 834-001	52 287 836	8KX 707 916-021	10 899 138	4RV 008 188-221	132023	4RP 008 189-091



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Cross-reference

John Deere	HELLA	John Deere	HELLA	Jungheinrich	HELLA	Jungheinrich	HELLA
56 59 3	3BA 002 768-001	AZ Y7 5367	8BW 003 966-037	14465070	9XT 714 300-141	50149958	8JB 001 946-021
57 01 8	6EJ 001 569-001	AZ Y7 5367	8BW 003 966-047	14465080	9XT 713 630-011	50149958	8JB 001 946-022
57 04 6	6EK 002 843-001	AZ37476	2AA 713 628-001	14465090	6RH 004 570-401	50205815	8JA 703 947-011
57 04 6	6EK 002 843-003	DA 19 633	8JD 002 289-001	14465100	9XT 713 630-301	50223036	8JD 005 993-032
57 04 6	6EK 002 843-007	FO 05 313	3SB 003 985-061	14465110	9FF 713 627-001	50223187	8KV 004 418-004
57 05 0	6ZE 001 759-071	FO 05 313	3SB 003 985-067	14476700	9HB 713 629-001	50248604	8JD 005 993-001
57 05 2	6ED 004 778-011	FO 14 869	8EZ 008 022-011	14518360	6EH 004 570-021	50248604	8JD 005 983-002
57 05 4	6FG 002 312-001	FO 42 770	8TW 005 496-051	14518360	6EH 004 570-027	50260000	9GH 993 984-001
57 05 4	6FG 002 312-002	F1 24 371	8JB 008 023-001	1471390	6RH 004 570-191	50260000	9GH 993 984-007
57 21 233	8KX 043 021-031	L 38 387	9KB 710 131-001	14721360	4DM 003 360-021	50297318	6EJ 996 067-631
57 21 233	8KX 043 021-032	L1 01 231	9GH 045 833-001	14721360	4DM 003 360-027	50423350	6FH 007 832-151
57 21 234	8KX 091 450-031	L6 42 29	9SL 042 991-001	14731950	8HG 716 734-001	50423353	6RH 007 832-461
57 21 234	8KX 091 450-032	RE 11 344	8JA 002 262-001	14731950	8HG 716 734-007	50423353	6RH 007 832-467
57 86 441	3BA 002 768-382	RE 11 344	8JA 002 262-003	14731970	8JA 715 600-001	50423378	6HH 007 832-297
57 M7 073	8KW 044 035-003	RE 32 3399	6EK 008 458-037	14733370	9XT 713 630-711	50423738	6HH 007 832-467
57 M7 082	8KW 700 144-003	Z 21 973	2AA 001 200-011	14734890	8HG 716 735-001	50423739	9FF 713 627-011
57 M7 095	8KV 705 123-002	Z 21 973	2AA 001 200-012	14734890	8HG 716 735-007	50423740	8JA 713 631-001
57 M7 095	8KV 705 123-004	Z 21 974	2AA 001 200-021	14737820	9XT 713 630-421	50423740	8JA 713 631-007
57 M7 182	8JA 003 526-001	Z 21 974	2AA 001 200-023	14739330	9XT 713 630-021	50423741	8HG 716 734-001
57 M7 182	8JA 003 526-002	Z 21 975	2AA 001 200-001	14739340	9XT 713 630-011	50423741	8HG 716 734-007
57 M9 477	8KA 744 859-003	Z 28 06	6BB 001 540-001	14739820	6RH 004 570-311	50423742	8HG 716 735-001
59 22 050	8JA 001 926-001	Z 33 69	9EY 117 124-001	14739830	9XT 713 630-121	50423742	8HG 716 735-007
59 23 0	8KV 004 418-004	Z 5 43 80	9XD 856 165-005	14739980	9XT 713 630-201	50423743	9XT 713 630-391
59 23 1	8KW 044 035-003	Z 11 000	8JA 002 252-101	14739980	9XT 713 630-221	50423745	9XT 714 300-141
59 83 1	8JS 711 686-002	Z 11 000	8JS 711 686-002	16025860	2AA 713 628-011	50423746	9XT 713 630-391
59 83 1	8JS 711 686-007		8JS 711 686-002	16095830	9XT 713 630-251	51007822	6FH 007 832-121
59 83 5	8JS 711 685-002		8JS 711 685-002	16095840	9XT 713 630-531	51007822	6FH 007 832-127
59 83 6	8JS 711 683-002		8JS 711 683-002	16130680	9XT 714 300-011	51007827	6GM 007 832-261
62 50 37	8JA 001 926-001		8JA 001 926-001	16130680	9XT 714 300-021	51024959	8JB 001 943-011
80 41 61	8PE 002 006-001		8PE 002 006-001	16231380	4AZ 001 879-051	51039549	8JB 008 023-001
84 50 611	8KW 708 373-003		8KW 708 373-003	20701	8KV 002 127-003	51076136	8JB 008 023-001
84 50 611	8KW 708 373-004		8KW 708 373-004	20701	8KV 002 127-007	51081505	5HE 996 152-131
84 50 619	8KW 044 036-003		8KW 044 036-003	26916036	8JD 002 289-001	51081906	9GD 735 641-001
84 50 619	8KW 044 036-004		8KW 044 036-004	26918768	8SB 002 997-001	51084965	4RA 007 813-011
84 89 825	8JA 002 262-001		8JA 002 262-001	27827700	8SB 002 407-001	51084965	4RA 007 813-017
84 89 825	8JA 002 262-003		8JA 002 262-003	28300010	3AL 002 952-871	51084979	4RD 007 814-011
85 40 425	8KW 702 796-003		8KW 702 796-003	28300010	3AL 002 952-877	51084979	4RD 007 814-017
87 20 558	8KX 707 913-011		8KX 707 913-011	28300310	3BA 002 768-001	51085376	4DB 009 123-031
87 20 559	8KX 707 913-001		8KX 707 913-001	28303460	6HF 001 579-052	51095981	8WB 003 248-001
AL 11 4614	3AL 002 952-827		3AL 002 952-827	28306500	3BA 002 768-771	51095981	8WB 003 248-007
AL 12 135	3AL 002 952-811		3AL 002 952-811	28306500	3BA 002 768-777	51096967	8JS 728 595-071
AL 12 135	3AL 002 952-817		3AL 002 952-817	28402490	8JB 001 941-001	51113392	4DM 009 492-001
AL 13 377	8JA 002 262-001		8JA 002 262-001	28402490	8JB 001 941-002	5116723	9GH 993 984-001
AL 13 377	8JA 002 262-003		8JA 002 262-003	28402670	8KW 044 022-003	5116723	9GH 993 984-007
AL 15 0015	4RD 007 794-031		4RD 007 794-031	28402670	8KW 044 022-004	51181787	6FH 007 832-621
AL 17 2328	6ZF 005 686-067		6ZF 005 686-067	28408120	8KV 002 133-001	51202349	8SB 004 288-103
AL 17 684	6JF 001 571-041		6JF 001 571-041	28410110	8KW 044 036-003	51202350	8KA 003 806-001
AL 17 684	6JF 001 571-047		6JF 001 571-047	28410110	8KW 044 036-004	51223314	9FF 713 627-031
AL 20 3265	3AL 922 200-617		3AL 922 200-617	28415600	8KW 708 373-003	51234793	9GH 993 984-001
AL 20 7376	4RA 007 793-031		4RA 007 793-031	28415600	8KW 708 373-004	51234793	9GH 993 984-007
AL 20 7376	4RA 007 793-037		4RA 007 793-037	28417830	8KW 708 374-003	52011042	6JK 007 232-001
AL 20 8595	4RA 007 793-041		4RA 007 793-041	28417830	8KW 708 374-004	52011163	3AL 002 952-861
AL 20 8595	4RA 007 793-047		4RA 007 793-047	28500160	8JD 002 294-011	52011163	3AL 002 952-867
AL 20 8596	4RD 933 332-237		4RD 933 332-237	28501770	8JS 091 603-003	52012360	9HB 713 629-001
AL 20 8597	4RD 933 332-051		4RD 933 332-051	28508040	8JD 002 289-081	52022120	4RD 933 332-021
AL 20 8597	4RD 933 332-057		4RD 933 332-057	28516170	8KV 002 127-003	52022120	4RD 933 332-027
AL 20 878-	6BB 001 540-001		6BB 001 540-001	28516170	8KV 002 127-007	52027388	4RA 007 793-031
AL 32 891	4DN 996 173-017		4DN 996 173-017	28517640	8JS 704 073-003	52027388	4RA 007 793-037
AL 35 179	6BG 008 844-007		6BG 008 844-007	440042148	6BB 001 540-001	52028189	8XY 004 717-001
AL 35 260	5HE 003 724-027		5HE 003 724-027	440072635	8SB 002 407-001	52032244	8EY 003 361-001
AL 36 529	6EB 008 845-007		6EB 008 845-007	440072635	8SB 002 407-011	52040631	5HE 996 152-141
AL 37 589	8HG 851 387-007		8HG 851 387-007	440073230	4DM 003 360-021	71313410	9SL 706 729-011
AL 37 590	8BW 003 443-008		8BW 003 443-008	440073230	4DM 003 360-027	71313410	9SL 706 729-011
AL 55 738	8JA 002 252-103		8JA 002 252-103	440073830	8HG 713 626-001	71344040	6EK 002 843-001
AL 55 738	8JA 003 526-002		8JA 003 526-002	440073840	6HH 004 570-451	71344040	6EK 002 843-003
AL 61 306	8TW 004 223-031		8TW 004 223-031	440073840	9XT 713 630-391	71344040	6EK 002 843-007
AL 68 661	6EK 001 559-001		6EK 001 559-001	440073842	6RH 004 570-401		
AL 68 661	6EK 001 559-007		6EK 001 559-007	440073843	9XT 713 630-301		
AL 68 661	6EK 001 559-011		6EK 001 559-011	440073851	9FF 713 627-001		
AL 76 702	4RD 007 814-011		4RD 007 814-011	440075510	4RA 965 400-031		
AL 76 702	4RD 007 814-017		4RD 007 814-017	440075511	6HF 001 579-061	7.231.343.000.0	8JA 005 951-001
AL 77 324	4RD 007 794-077		4RD 007 794-077	440075608	6EH 004 570-021	7.231.343.000.0	8JA 005 951-003
AL 79 013	8TW 004 223-031		8TW 004 223-031	440075608	6EH 004 570-027	7.235.022.000.0	8KV 002 143-031
AL167631	2AA 008 594-031		2AA 008 594-031	440075997	9HB 713 629-001	7.235.138.000.0	8JB 005 949-001
AL23015	2AA 003 557-021		2AA 003 557-021	44075608	6EH 004 570-021	7.253.006.000.0	8JD 002 291-011
AT 22 6281	3AL 922 300-207		3AL 922 300-207	44075608	6EH 004 570-027	7.311.185.000.0	6EJ 001 569-001
AT 24 692	2AA 008 594-031		2AA 008 594-031	50002660	4AZ 001 879-051	7.312.007.000.0	6ED 004 778-021
AT 27 371	2AA 008 594-021		2AA 008 594-021	50002661	6HF 001 579-061	7.312.020.000.0	6ED 004 778-001
AX E1 3703	8KX 747 875-001		8KX 747 875-001	50013006	8KW 045 145-003	7.315.130.000.0	6ZF 004 365-011
AZ 10 3535	2AA 008 594-021		2AA 008 594-021	50013006	8KW 045 145-004	7.331.122.001.0	6ZF 004 365-011
AZ 100 125	8JS 711 683-861		8JS 711 683-861	50013029	8JA 001 926-001	7.331.122.001.0	8JA 713 631-001
AZ 12 135	3AL 002 952-811		3AL 002 952-811	50019939	8EV 003 361-011	7.332.022.000.0	8JA 713 631-007
AZ 12 135	3AL 002 952-817		3AL 002 952-817	50025504	8JS 711 684-002	7.332.022.000.0	6TA 003 394-011
AZ 13 378	8JB 001 941-001		8JB 001 941-001	50025505	8JS 711 687-002	7.332.022.000.0	6TA 003 394-017
AZ 13 378	8JB 001 941-002		8JB 001 941-002	50025505	8JS 711 687-007	7.371.083.000.0	4DM 004 639-061
AZ 15 002	8JA 001 918-002		8JA 001 918-002	50030507	6JB 003 959-031	7.371.083.000.0	4DM 004 639-064
AZ 15 002	8JA 001 918-021		8JA 001 918-021	50031560	8JS 711 688-002	7.371.083.000.0	4DM 004 639-067
AZ 15 003	8KV 002 137-001		8KV 002 137-001	50031916	8JS 711 688-002	7.371.088.000.0	4DM 003 460-021
AZ 16 014	6DD 001 551-011		6DD 001 551-011	50031916	8JS 711 686-007	7.371.	

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Cross-reference



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7.731.214.000.0	8BW 003 966-047	79167	8JD 002 294-002	56218	8KV 002 127-021	0301042/0	8KV 002 136-011
8.688.074.000.0	8SB 501 081-082	79434	3BA 002 768-382	56228	8KW 044 022-003	0301043/0	8JS 089 015-003
8.919.926.285.4	9MX 563 468-002	80077768	8JA 002 262-001	56228	8KW 044 022-004	0301554/0	4RD 933 332-041
8.919.928.230.4	8KA 500 218-002	80077768	8JA 002 262-003	56229	8KW 044 023-003	0301554/0	4RD 933 332-047
8.919.928.281.4	9BP 501 238-012	80079434	3BA 002 768-382	56229	8KW 044 023-004	0301667/0	8KW 044 029-003
8.919.931.925.4	8SB 501 247-803	80310834	8JA 002 263-001	56234	8KW 044 030-003	0301761/0	8JS 091 603-003
8.933.741.300	6FG 002 312-001	80334511	8JA 007 024-001	56234	8KW 044 030-004	0301827/0	8KW 044 291-003
8.933.741.300	6FG 002 312-002	80350833	3PB 005 411-001	56235	8KW 044 031-003	0301856/0	8JS 711 688-002
		80358125	8JB 004 777-001	56236	8KW 044 032-003	0301864/0	8KV 714 340-002
		80358125	8JB 004 777-002	56236	8KW 044 032-004	0301864/0	8KV 714 340-007
		80359246	9GH 993 984-001	56239	8KW 044 036-003	0302074/0	8JS 711 685-002
		80359246	9GH 993 984-007	56239	8KW 044 036-004	0302076/0	8JS 711 687-002
		80359898	9XL 715 989-001	56240	8KW 044 040-003	0302076/0	8JS 711 687-007
		80368308	5WG 002 450-287	56240	8KW 044 040-004	0302107/0	9FF 713 627-001
		87369	6EK 002 843-001	56241	8KW 044 275-003	0302194/0	8JS 711 686-002
		87369	6EK 002 843-003	56242	8KW 044 276-003	0302194/0	8JS 711 686-007
		87369	6EK 002 843-007	56242	8KW 044 276-004	0302217/0	4RA 965 400-001
		87391	6EJ 001 569-001	56243	8KW 044 277-003	0302229/0	9SL 042 991-001
				56244	8KW 044 288-003	0302277/0	8KW 044 027-003
				56245	8KW 045 145-003	0302277/0	8KW 044 027-004
				56245	8KW 045 145-004	0302349/0	8KV 705 123-002
				56246	8KW 048 056-033	0302349/0	8KV 705 123-004
				56247	8KW 700 143-003	0302505/0	3AL 002 952-837
				56249	8KW 701 235-033	0302506/0	6GM 004 570-211
				56249	8KW 701 235-034	0302507/0	6GM 004 570-061
				56260	8KX 707 925-003	0302507/0	6GM 004 570-067
				56350	8KW 044 291-003	0302508/0	6EK 001 559-001
				56351	8KW 044 039-003	0302508/0	6EK 001 559-007
				56362	2AA 001 200-031	0302508/0	6EK 001 559-011
				56373	8KW 044 027-003	0302521/0	6EH 007 832-041
				56373	8KW 044 027-004	0302524/0	6EH 007 832-021
				56378	8KW 044 038-003	0302524/0	6EH 007 832-022
				56378	8KW 705 392-003	0302524/0	6EH 007 832-027
				56380	8KW 043 630-013	0302525/0	6HH 007 832-321
				56380	8KW 043 630-014	0302526/0	6FH 007 832-101
				56383	8KW 702 796-003	0302526/0	6FH 007 832-107
				56428	2AA 001 204-001	0302649/0	8EZ 008 021-001
				56429	2AA 001 204-011	0302650/0	3SL 996 139-001
				56444	8KV 002 132-001	0302652/0	2AA 713 628-001
				56449	8JS 711 686-002	0302653/0	9HB 713 629-001
				56449	8JS 711 686-007	0302654/0	8JA 715 600-001
				56452	8JA 003 832-001	0302655/0	8JA 713 631-001
				56453	8JB 003 834-001	0302655/0	8JA 713 631-007
				56463	8KW 044 280-003	0302656/0	6JK 007 232-001
				56463	8KW 044 280-004	0302657/0	8KW 701 235-033
				56472	8JS 711 689-002	0302657/0	8KW 701 235-034
				56478	8JB 001 941-001	0302657/0	8KW 733 815-003
				56478	8JB 001 941-002	0302659/0	9XT 713 630-001
				56489	8KV 004 418-004	0302660/0	9XT 713 630-031
				58107	8KL 712 947-001	0302661/0	9XT 713 630-021
				58107	8KL 712 947-002	0302662/0	9XT 714 300-011
				58107	8KL 712 949-001	0302676/0	8KX 707 917-031
				58107	8KL 712 949-002	0302688/0	8KW 708 373-003
				58155	8KL 712 975-001	0302688/0	8KW 708 373-004
				58155	8KL 712 975-002	0302689/0	8KW 708 374-003
				7 571 646 042	8KW 048 056-033	0302689/0	8KW 708 374-004
				7 577 642 040	8KW 043 630-013	0302690/0	8JA 007 158-003
				7 577 642 040	8KW 043 630-014	0302703/0	6RH 007 832-491
				7 729 706 004	8KL 712 950-001	0302710/0	8HG 714 504-001
				7 729 706 004	8KL 712 950-002	0302800/0	8KX 707 913-011
				7 729 708 004	8KL 712 943-001	0302804/0	8KX 707 913-001
				7 729 708 004	8KL 712 943-002	0302805/0	6GM 007 832-191
				7729703004	8KL 712 949-001	0302805/0	6GM 007 832-197
				7729703004	8KL 712 949-002	0302807/0	6ZF 003 549-021
				7729705004	8KL 712 946-001	0302991/0	4DW 003 390-061
				7729705004	8KL 712 946-002	0303140/0	9XT 713 630-011
				7733661604	8JS 711 685-002	0303198/0	8JS 711 683-002
				7733661605	8JS 711 686-002	0303201/0	8JS 711 689-002
				7733661605	8JS 711 686-007	0303353/0	9XT 713 630-711
				7733661606	8JS 711 687-002	0303463/0	8JA 003 526-001
				7733661606	8JS 711 687-007	0303463/0	8JA 003 526-002
				7733661608	8JS 711 689-002	0303769/0	5HE 996 152-131
						0303782/0	4DM 003 360-021
						0303782/0	4DM 003 360-027
						0305040-0	6GM 007 832-251
						0305054/0	8JD 008 152-021
						0922670/0	8HS 071 414-001
						0924514/0	8KV 002 132-001
						0924514/0	8KV 002 133-001
						0924570/0	8JB 001 941-001
						0924570/0	8JB 001 941-002
						0924572/0	8JB 003 833-001
						0924576/0	8JA 001 918-002
						0924576/0	8JA 001 918-021
						0924578/0	8JA 003 831-001
						0924579/0	8JA 002 263-001
						0924580/0	8JA 001 933-031
						0924581/0	8JB 001 925-001
						0924615/0	8KW 705 393-003
						0924669/0	8KL 712 987-001
						0924686/0	8KW 044 280-003
						0924686/0	8KW 044 280-004
						0924689/0	8KW 700 143-003
						0924694/0	8KW 044 036-003
						0924694/0	8KW 044 036-004
						0924695/0	8KW 044 022-003
						0924695/0	8KW 044 022-004
						0924696/0	8KW 044 023-003
						0924696/0	8KW 044 023-004
						0924701/0	8KW 705 392-003
						0928687/0	8KW 044 033-002
						0928687/0	8KW 044 033-004
						0944031/0	8KW 044 028-003
						0944032/0	8KW 044 027-003
						0944032/0	8KW 044 027-004
						0944033/0	8KW 044 282-003
						0944034/0	8KW 044 039-003
						0944035/0	8KW 044 039-003



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0944035/0	8KW 044 030-004	505821657	4RD 007 903-027	1 022 395 9	9XT 713 630-251	6 003 311	8JA 001 915-001
0944041/0	8HS 071 414-001	515001750	4RA 965 400-001	1 022 396 4	6FH 007 832-101	6 004 180	8JA 001 925-001
0944042/0	8HS 071 415-001	515029373	8HS 071 414-001	1 022 396 4	6FH 007 832-107	6 004 216	6HD 002 535-111
0944048/0	8KV 002 137-001	515029378	8KW 044 038-003	1 022 421 1	8JA 713 631-001	6 004 236	6HF 003 916-031
0944049/0	8KV 002 127-021	515029379	8KW 744 774-003	1 022 421 1	8JA 713 631-007	6 004 237	8JA 711 375-001
0944050/0	8KX 091 451-031	515030123	8KX 747 875-011	1 022 421 2	8JA 715 600-001	6 004 328	6HF 003 916-107
0944050/0	8KX 091 451-032	515030126	8KX 747 875-001	1 022 431 6	8KX 707 913-011	6 004 510 01	8KL 712 980-001
0944051/0	8KX 043 021-031	515030153	8KX 707 912-011	1 022 755 6	8PE 713 576-011	6 004 510 01	8KL 712 980-002
0944051/0	8KX 043 021-032	515030154	8KX 707 912-001	1 028 843 8	3SL 996 139-202	6 008 941 4	8KX 707 916-021
0944052/0	8JS 025 889-003	515031069	8KW 744 729-003	1 028 928 5	5DS 008 125-011	6 014 018	8JS 704 073-003
0944053	8JS 711 683-002	515031338	8JS 713 575-271	1 029 688 4	8JB 001 946-082	6 021 008	8KX 091 453-001
0944053/0	8JS 711 683-002	515037622	9MJ 747 877-001	1 035 161 4	8JA 004 667-001	6 022 040 08	8KW 701 235-033
0944054/0	8JS 711 684-002	515047971	8JS 747 876-041	1 035 632 9	8TW 007 540-231	6 022 040 08	8KW 701 235-034
0944055/0	8JS 711 685-002	5806735/0	8JS 005 949-001	1 047 597 2	6EJ 996 067-631	6 023 082	8KW 043 629-013
0944056/0	8JS 711 686-002	5806852/0	8JA 003 832-001	1 047 597 5	6GM 500 212-002	6 023 083	8KW 043 636-003
0944056/0	8JS 711 686-007	5806853/0	8JB 003 834-001	1 047 623 5	5WG 002 450-311	6 023 094	8KW 044 277-003
0944057/0	8JS 711 687-002	5807525/0	8PD 003 798-001	1 047 623 5	5WG 002 450-317	6 023 096	8KW 044 029-003
0944057/0	8JS 711 687-007	5808238/0	8JB 002 281-001	1 054 196 7	5WG 002 450-291	6 023 096	8KW 044 030-003
0944058/0	8JS 711 688-002	5808238/0	8JB 002 281-002	1 054 196 7	5WG 002 450-297	6 023 096	8KW 044 030-004
0944059/0	8JS 089 015-003	5809834/0	8JA 005 951-001	1 054 787 6	8KX 707 913-001	6 023 391 08	8KW 054 944-003
0944060/0	8JS 091 603-003	5809834/0	8JA 005 951-003	1 065 180 4	6ED 004 778-011	6 026 003	8KV 002 137-001
0944081/0	8KW 044 277-003	5810174/0	8JB 001 943-041	1 066 405 7	8JS 728 596-081	6 027 355 08	8JS 713 575-001
0944082/0	8KW 044 031-003	5810175/0	8JA 001 930-031	1 066 405 8	8JS 728 596-077	6 027 355 08	9MK 741 492-001
0944117/0	8JB 001 939-001	5810348/0	8JD 002 294-011	1 067 004 0	3BA 002 768-427	6 040 010 08	8JS 089 015-003
0944118/0	8JB 001 944-011	5817036/0	4RA 965 400-031	1 067 552 5	3AF 003 399-061	6 040 013 08	8JS 091 603-003
0944120/0	8KV 705 123-002	5820560/0	8JB 005 949-011	1 067 804 7	8JS 728 596-027	6 040 015 08	8JS 025 889-003
0944120/0	8KV 705 123-004	5820560/0	8JB 005 949-012	1 067 804 8	8JS 728 596-037	6 040 015 14	8JS 025 889-003
0944121/0	8KV 002 132-001	5820590/0	9GD 735 641-001	1 067 804 9	8JS 728 596-047	6 040 016	8JS 089 015-003
0944123/0	8KW 044 033-002	5821576/0	8KV 004 418-821	1 067 805 0	8JS 728 596-091	6 040 016 08	8JS 089 015-003
0944123/0	8KW 044 033-004	5821577/0	8JS 711 683-011	1 067 840 4	3AL 002 952-927	6 040 016 14	8JS 089 015-003
0944124/0	8KW 044 035-003	6200645/0	8KW 044 036-003	1 080 092 7	8KL 005 943-003	6 040 017	8JS 091 603-003
0944125/0	8KW 044 025-003	6200645/0	8KW 044 036-004	1 080 197 4	8JS 728 596-017	6 040 017 08	8JS 091 603-003
0944126/0	8KW 044 288-003	6201047/0	8KV 715 923-003	1 081 789 6	8HG 005 953-001	6 040 017 14	8JS 091 603-003
0944127/0	8KW 708 374-003	9245710	8JB 008 085-041	1 100 042 3	8JA 008 981-001	6 040 018 08	8JS 704 073-003
0944127/0	8KW 708 374-004	9247000	8KW 044 029-003	1 100 158 5	5HE 996 152-131	6 040 069 08	8JS 711 684-002
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0944129/0	8KW 044 276-003	9305016	8KW 044 023-004	1 100 871 1	6ZF 005 686-067	6 040 071 08	8JS 711 686-002
0944129/0	8KW 044 276-004	944081	8KW 044 277-003	1 100 942 9	9GD 735 641-001	6 040 071 08	8JS 711 686-007
0944130/0	8KW 044 032-003	Kubota	HELLA	1 118 181 0	4RA 933 332-111	6 040 072 08	8JS 711 687-002
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14405002	8JB 003 833-001	W270000935	6HF 003 916-011	1 004 233	8JA 008 981-001	6 040 077 08	8JS 711 685-002
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200805810	6RH 008 910-011	Lancia	HELLA	4 015 00	8JB 003 833-001	6 041 054 14	8JS 711 685-002
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200808450	8JB 001 939-001	LR018425	6LB 005 389-001	5 801 680	6ZF 003 549-001	6 041 056 14	8JS 711 687-002
200812760	6ZF 003 549-001	STC4286	8JB 001 943-001	5 910 553 08	8TW 005 496-051	6 041 056 14	8JS 711 687-007
200812800	4RD 933 332-031	STC4286	8JB 001 943-003	5 910 554 08	8BW 857 850-005	6 041 057 14	8JS 711 688-002
200816030	8JA 007 024-001	Legrand	HELLA	5 910 804 08	8TW 005 496-007	6 041 058 14	8JS 711 689-002
200816360	8KW 744 817-003	350 01	8KV 002 137-001	5 910 804 08	8BW 003 966-007	6 041 059 14	8JS 711 689-002
200817450	6EK 008 458-011	350 03	8KV 002 139-001	5 910 804 08	8BW 003 966-037	6 041 059 14	8JS 711 690-002
200818350	8BW 003 966-067	350 05	8KV 002 140-001	5 915 519 08	8HG 002 211-001	6 045 005 08	8JD 002 294-001
200819650	8JS 711 683-021	350 05	8KV 002 140-001	5 915 945 14	8SB 501 081-031	6 045 005 08	8JD 002 294-001
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3021960	8JS 711 690-002	EXAELD622	3BA 002 768-082	6 000 316	8KW 044 022-004	6 045 013 14	8JD 002 291-001
3021960	8JS 711 690-007	Liebherr	HELLA	6 000 316	8KW 701 235-033	6 045 015	8JD 002 289-001
3025061	6GM 004 570-211	0 790 135 3135	8KX 707 913-011	6 000 316	8KW 701 235-034	6 045 015 08	8JD 002 289-001
3029911	4DW 003 390-061	1 000 04	8JA 002 252-101	6 000 379	6ED 004 778-021	6 045 016 08	8JD 005 993-051
3031210	8JD 008 151-011	1 000 04	8JA 002 252-101	6 000 559	8JB 001 939-001	6 045 017 08	8JA 007 024-001
3031300	8KW 044 277-003	1 000 04	8JA 002 252-103	6 000 755	4DM 003 474-001	6 050 000	8JA 002 262-001
3033550	9XT 713 630-421	1 001 443 1	4RA 003 437-101	6 000 755	4DM 003 474-007	6 050 006 08	8JA 002 262-003
3033590	6RH 007 832-461	1 001 510 5	9GH 993 984-001	6 000 833	8JD 002 289-011	6 050 006 08	8JA 005 951-003
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3033600	6RH 007 832-381	1 001 689 4	8JB 008 023-001	6 000 870	8JD 002 290-141	6 050 026	8JA 001 918-002
3037540	8KW 044 276-003	1 001 959	8JA 005 951-001	6 001 153	8JA 007 158-003	6 050 027 08	8JA 001 918-002
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3037860	8JS 713 575-001	1 002 033 9	8SB 501 325-002	6 001 162	8KW 708 374-004	6 050 029 08	8JA 001 925-001
3050570	8JD 008 151-021	1 002 043 3	8KA 562 671-002	6 001 163	8KW 708 374-004	6 050 047 01	8JA 003 831-001
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500924572	8JB 003 833-001	1 002 921 0	8JB 005 949-001</				

Manufacturer's no. / HELLA no.

Cross-reference



Liebherr	HELLA	Liebherr	HELLA	Littlefuse	HELLA	Littlefuse	HELLA
6 052 005	8JB 001 944-011	6 140 329 14	3AL 006 958-821	0257030.PXPV	8JS 711 690-002	0498060.H	8JS 742 901-021
6 052 008 08	8JB 005 949-011	6 140 329 14	3AL 006 958-827	0257030.PXPV	8JS 711 690-821	0498070.H	8JS 742 901-031
6 052 008 08	8JB 005 949-012	6 140 461 14	3AG 003 399-101	0257035.PXPV	8JS 711 683-042	0498080.H	8JS 742 901-041
6 052 027 08	8JB 001 940-001	6 200 008	3AL 002 952-871	0257035.PXPV	8JS 711 683-871	0498100.H	8JS 742 901-051
6 052 027 14	8JB 001 940-001	6 200 008	3AL 002 952-877	0257040.PXPV	8JS 711 683-031	0498125.H	8JS 742 901-071
6 052 028 01	8JB 001 941-001	6 200 009	8JS 089 015-003	0257040.PXPV	8JS 711 683-851	0498150.H	8JS 742 901-081
6 052 028 01	8JB 001 941-002	6 200 010	8JS 704 073-003	025707.5	8JS 711 685-002	0895020.Z	8JS 740 026-731
6 052 028 08	8JB 001 941-001	6 200 672	8KV 002 127-011	025707.5	8JS 711 685-821	0895025.Z	8JS 740 026-741
6 052 028 08	8JB 001 941-002	6 200 728	8KW 043 630-013	025707.5PXPV	8JS 711 685-002	0895030.Z	8JS 740 026-751
6 052 028 14	8JB 001 941-001	6 200 728	8KW 043 630-014	025707.5PXPV	8JS 711 685-821	0895040.Z	8JS 740 026-761
6 052 028 14	8JB 001 941-002	6 200 907	8JA 003 526-001	0283030.H	8JS 740 026-501	0895050.Z	8JS 740 026-771
6 052 030 08	8JB 001 933-031	6 200 907	8JA 003 526-002	0283040.H	8JS 740 026-511	0895060.Z	8JS 728 596-271
6 052 031 08	8JB 001 939-001	6 201 100	8KV 002 132-001	0283050.H	8JS 740 026-521	0897002.H	8JS 728 596-262
6 052 032 08	8JB 001 946-001	6 201 101	8KV 002 133-001	0283060.H	8JS 740 026-531	0897003.H	8JS 728 596-272
6 052 039 08	8JB 004 777-001	6 201 527	8KL 712 944-001	0283070.H	8JS 740 026-541	0897004.H	8JS 728 596-282
6 052 039 08	8JB 004 777-002	6 201 527	8KL 712 944-002	0283080.H	8JS 740 026-551	0897005.H	8JS 728 596-292
6 052 039 14	8JB 001 946-021	6 201 621	8EV 003 361-011	0283080.H	8JS 740 026-561	0897010.H	8JS 728 596-312
6 052 039 14	8JB 001 946-022	6 201 942	6ZF 001 549-021	0283100.H	8JS 740 026-571	0897015.H	8JS 728 596-322
6 052 082 08	8JB 001 935-031	6 202 284	8JA 003 526-001	0283120.H	8JS 740 026-501	0897020.H	8JS 728 596-332
6 052 082 77	8JB 001 935-031	6 202 284	8JA 003 526-002	0293020.H	8JS 740 026-001	0897025.H	8JS 728 596-342
6 052 083 08	8JB 003 833-001	6 202 511	4RD 933 332-071	0293030.H	8JS 740 026-011	0897030.H	8JS 728 596-352
6 052 092 08	8JB 002 281-001	6 202 511	4RD 933 332-077	0293040.H	8JS 740 026-021	089707.5	8JS 728 596-302
6 052 092 08	8JB 002 281-002	6 204 334	8KV 004 418-004	0293050.H	8JS 740 026-031	089707.5.H	8JS 728 596-302
6 052 092 14	8JB 002 281-001	6 204 592	3AF 003 399-061	0293060.H	8JS 740 026-041	OCAM003	8JS 728 596-182
6 052 092 14	8JB 002 281-002	6 204 593	3AG 003 399-101	0293525.H	8JS 740 026-601	OCAM003.H	8JS 728 596-182
6 052 116 01	8JB 002 286-021	6 205 045	3AF 003 399-071	0293530.H	8JS 740 026-611	OCAM005	8JS 728 596-192
6 052 160 01	8JB 001 946-021	6 301 051 08	4RA 007 957-001	0293545.H	8JS 740 026-701	OCAM005.H	8JS 728 596-192
6 052 160 01	8JB 001 946-022	6 301 051 08	4RA 007 957-007	0293565.H	8JS 740 026-711	OCAM010	8JS 728 596-212
6 052 161 01	8JB 003 833-001	6 301 054 08	4RD 007 903-001	0293575.H	8JS 740 026-721	OCAM010.H	8JS 728 596-212
6 052 162 01	8JB 004 123-001	6 301 054 08	4RD 007 903-007	0293830.H	8JS 740 026-101	OCAM015	8JS 728 596-222
6 052 162 01	8JB 004 123-002	6 301 102 08	4DW 004 513-021	0293840.H	8JS 740 026-111	OCAM015.H	8JS 728 596-222
6 052 163 01	8JB 003 834-001	6 301 602 14	4RD 933 332-061	0294030.H	8JS 740 026-201	OCAM020	8JS 728 596-232
6 052 164 01	8JB 003 833-001	6 301 602 14	4RD 933 332-067	0294040.H	8JS 740 026-241	OCAM020.H	8JS 728 596-232
6 052 206 01	8KV 002 127-021	6 301 918 01	8JA 003 526-001	0294060.H	8JS 740 026-211	OCAM025	8JS 728 596-242
6 054 076 08	8EZ 008 022-011	6 301 918 01	8JA 003 526-002	0294070.H	8JS 740 026-261	OCAM025.H	8JS 728 596-242
6 056 239 01	8KW 701 235-033	6 427 470	3SL 996 139-001	0294080.H	8JS 740 026-221	OCAM030	8JS 728 596-252
6 056 239 01	8KW 701 235-034	6 427 470 03	3SL 996 139-001	0294100.H	8JS 740 026-231	OCAM030.H	8JS 728 596-252
6 060 000	6BB 001 540-001	6 905 132	8JB 003 833-011	0294120.H	8JS 740 026-271	OCAM007.5	8JS 728 596-202
6 060 011	6DD 001 551-011	6 905 327	3AL 002 952-861	0295030.H	8JS 740 026-311	OCAM07.5H	8JS 728 596-202
6 060 011	6DD 001 551-017	6 905 414	3AL 002 952-867	0295040.H	8JS 740 026-321	OCAS003.H	8JS 711 683-062
6 060 090 08	4DM 004 639-061	6 905 434	8EV 003 361-001	0295050.H	8JS 740 026-331	OCAS005.T	8JS 711 683-072
6 060 090 08	4DM 004 639-067	6 905 529	6DD 001 551-001	0295060.H	8JS 740 026-341	OCAS010.H	8JS 711 683-092
6 060 107	6ED 001 563-021	6 905 972	8JB 001 946-041	0295080.H	8JS 740 026-301	OCAS015.H	8JS 711 683-102
6 060 115	4DM 003 944-091	6 930 076 14	6JF 001 571-101	0295100.H	8JS 740 026-361	OCAS020.H	8JS 711 683-112
6 060 115 08	4DM 003 944-091	6 931 650 14	6ZF 003 549-001	0295120.H	8JS 740 026-371	OCAS025.H	8JS 711 683-122
6 060 118 08	4AZ 001 879-051	6 931 650 14	9GH 993 984-001	0297002.WXNV	8JS 728 596-081	OCAS030.H	8JS 711 683-132
6 060 136	6FG 002 312-001	610408914	9GH 993 984-007	0297002.WXNV	8JS 728 596-861	OCAS07.5H	8JS 711 683-082
6 060 136	6FG 002 312-002	613201708	8EV 003 361-011	0297003.WXNV	8JS 728 596-101	150258.BN000	8KV 002 136-011
6 060 191 08	9GH 045 833-001	613201708	8KX 091 451-031	0297003.WXNV	8JS 728 596-881	150258.LN000	8KV 002 127-011
6 060 205 08	6JF 001 571-001	613201908	8KX 091 451-032	0297004.WXNV	8JS 728 596-121	150258.LN910	8KV 002 127-003
6 060 206	6ZF 003 549-021	613201908	8KX 043 021-031	0297004.WXNV	8JS 728 596-801	150259.BN000	8JD 743 557-041
6 060 206 08	6ZF 003 549-021	613203030	8KX 043 021-032	0297005.WXNV	8JS 728 596-131	150260.BN000	8JD 743 557-051
6 060 207	6ZF 004 229-011	613203030	8KX 707 911-001	0297005.WXNV	8JS 728 596-811	151001.LN000	8JD 005 235-801
6 060 207	6ZF 004 229-017	614001208	8KX 707 911-001	0297010.WXNV	8JS 728 596-141	152001.TN940	8JD 743 708-001
6 060 207 08	6ZF 004 229-011	614005408	3AG 003 399-101	0297010.WXNV	8JS 728 596-821	152003.TN942	8JD 743 708-001
6 060 207 08	6ZF 004 229-017	6200003	3BA 002 768-382	0297015.WXNV	8JS 728 596-151	152003.TN900	8JD 743 708-001
6 060 254	6EK 001 559-001	6200882	8JB 001 933-031	0297015.WXNV	8JS 728 596-831	155.0892.5501	8JS 747 876-001
6 060 254	6EK 001 559-007	6200909-	8KV 002 135-821	0297020.WXNV	8JS 728 596-161	155.0892.5751	8JS 747 876-011
6 060 254 08	6EK 001 559-001	6201082	8KV 002 139-001	0297020.WXNV	8JS 728 596-841	155.0892.6101	8JS 747 876-021
6 060 254 08	6EK 001 559-007	6201082	8KV 002 127-003	0297025.WXNV	8JS 728 596-091	155.0892.6121	8JS 747 876-031
6 060 254 77	6EK 001 559-001	6201252	8KV 002 139-011	0297025.WXNV	8JS 728 596-871	155.0892.6151	8JS 747 876-041
6 060 254 77	6EK 001 559-007	6201444	8JA 002 263-001	0297030.WXNV	8JS 728 596-851	155.0892.6171	8JS 747 876-051
6 060 709	6EK 001 559-001	6202387	3PA 004 206-011	0297030.WXNV	8JS 728 596-111	155.0892.6201	8JS 747 876-061
6 060 709	6EK 001 559-007	6202951	8JD 005 235-002	029707.5	8JS 728 596-891	155.0892.6251	8JS 747 876-071
6 060 709 08	6EK 001 559-001	630121508	4RD 933 332-091	029707.5	8JS 728 596-111	155.0892.6301	8JS 747 876-081
6 060 709 08	6EK 001 559-007	630121508	4RD 933 332-097	029707.5WXNV	8JS 728 596-891	156.530110	8JS 713 575-011
6 060 710 08	9SL 042 991-001	6301423	4RA 965 400-031	029707.5WXNV	8JS 728 596-821	156.530110	8JS 713 575-021
6 061 962 08	5WG 002 450-287	630142314	4RA 965 400-031	0298100.ZXEH	8JS 742 902-001	156.560110	8JS 713 575-031
6 061 964	6DD 001 551-011	691869214	8JA 001 916-001	0298105.ZXEH	8JS 742 902-011	156.5677.5301	8JS 713 575-102
6 061 964	6DD 001 551-017	7 026 589	8JB 004 123-001	0298175.ZXEH	8JS 742 902-021	156.5677.5401	8JS 713 575-112
6 061 966 08	6ED 001 563-001	7 026 589	8JA 001 923-001	0298200.ZXEH	8JS 742 902-041	156.5677.5501	8JS 713 575-122
6 061 966 08	6ED 001 563-003	7 408 151	8JB 004 121-102	0298225.ZXEH	8JS 742 902-061	156.5677.5601	8JS 713 575-132
6 061 966 08	6ED 001 563-004	7 790 022 14	8SB 002 404-121	0298250.ZXEH	8JS 742 902-051	156.5677.5801	8JS 713 575-142
6 061 968 808	6ED 004 778-031	7 790 022 14	8SB 002 404-131	0298300.ZXEH	8JS 742 902-071	156.5677.6111	8JS 713 575-152
6 070 062 05	2AA 001 200-141	7 790 024	8SB 002 997-001	0298350.ZXEH	8JS 742 902-081	156.5677.6151	8JS 713 575-162
6 071 010 08	2AA 001 200-131	7 790 024 14	8SB 002 997-001	0298400.ZXEH	8JS 742 902-091	156.5677.6171	8JS 713 575-172
6 071 011 08	2AA 001 200-141	7 790 283 14	9BP 561 006-012	0298450.ZXEH	8JS 742 902-101	156.580110	8JS 713 575-001
6 071 093 08	2AA 001 200-041	7 790 285 14	6GM 500 212-002	0298500.ZXEH	8JS 742 902-111	156.610110	8JS 713 575-041
6 071 106 08	4DW 003 944-071			0299020.ZXNV	8JS 728 595-051	156.612110	8JS 713 575-051
6 071 106 08	4DW 003 944-071			0299020.ZXNV	8JS 728 595-131	156.615110	8JS 713 575-061
6 071 113 08	2AA 001 200-031	00970019X	8PE 713 576-011	0299025.ZXNV	8JS 728 595-212	157.5701.5351	8JS 713 575-201
6 071 242	6HD 002 535-031						



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Cross-reference

Littlefuse	HELLA	Littlefuse	HELLA	Littlefuse	HELLA	MAN	HELLA
214016	8JS 089 015-003	297004	8JS 728 596-801	498080	8JS 742 901-041	33.25432.6019	8JB 003 833-001
214016	8JS 089 015-801	297004.LN000	8JS 728 596-121	498080.BN000	8JS 742 901-041	36.25301-6001	3BA 002 768-431
214016.LN000	8JS 089 015-003	297004.LN000	8JS 728 596-801	498100	8JS 742 901-051	36.25301-6001	3BA 002 768-431
214016.TN000	8JS 089 015-003	297005	8JS 728 596-131	498100.TN000	8JS 742 901-051	36.25806-6007	5WG 002 450-287
214025	8JS 091 603-003	297005	8JS 728 596-811	498125	8JS 742 901-071	36.25902-0007	4RD 007 903-001
214025	8JS 091 603-801	297005.LN000	8JS 728 596-131	498125.TN000	8JS 742 901-071	36.25902-0007	4RD 007 903-007
214025.LN000	8JS 091 603-003	297005.LN000	8JS 728 596-811	498150	8JS 742 901-081	36.25935-6015	5WD 003 547-071
214025.TN000	8JS 091 603-003	297010	8JS 728 596-141	498150.TN000	8JS 742 901-081	36.26485-6000	8TW 007 540-231
214040	8JS 713 144-003	297010	8JS 728 596-821	498900	8JD 743 136-001	36.28901.0000	8EZ 008 021-011
214040.LN000	8JS 713 144-003	297010.LN000	8JS 728 596-141	498900.TN000	8JD 743 136-007	69.20071.0012	6ZF 182 914-051
217001	8JS 713 549-003	297010.LN000	8JS 728 596-821	895020	8JS 740 026-731	78.01331.9000.07	6EH 007 832-011
217001.TA000	8JS 713 549-003	297015	8JS 728 596-151	895025	8JS 740 026-741	78.01331.9000.07	6EH 007 832-012
217001.TN000	8JS 713 549-003	297015	8JS 728 596-831	895030	8JS 740 026-751	81.25520.0001	6EJ 001 569-001
217005	8JS 713 550-003	297015.LN000	8JS 728 596-151	895040	8JS 740 026-761	81.25520.0001	9MX 863 839-011
217005	8JS 713 550-801	297015.LN000	8JS 728 596-831	895050	8JS 740 026-771	81.6373.36049	9MX 564 249-001
217005.TA000	8JS 713 550-003	297020	8JS 728 596-161	895060	8JS 740 026-781	81.6373.36062	9MX 863 847-011
217005.TN000	8JS 713 550-003	297020	8JS 728 596-841	897002	8JS 728 596-262	81.63730.6350	8SB 354 505-021
217025.TA000	8JS 713 804-003	297020.LN000	8JS 728 596-161	897003	8JS 728 596-272	81.63730.6410	8SB 354 505-021
255.0808.0001	9MJ 747 877-001	297020.LN000	8JS 728 596-841	897004	8JS 728 596-282	81.63730.6444	8SB 354 505-021
255.1000.0001	8KX 747 875-001	297025	8JS 728 596-091	897005	8JS 728 596-292	81.25210.0014	2AA 001 200-011
255.2000.0001	8KX 747 875-011	297025	8JS 728 596-871	897010	8JS 728 596-312	81.25210.0014	2AA 001 200-012
257001.LN000	8JS 711 683-011	297025.LN000	8JS 728 596-091	897015	8JS 728 596-322	81.25210.0015	2AA 001 200-021
257002.LN000	8JS 711 683-021	297030	8JS 728 596-171	897020	8JS 728 596-332	81.25210.0015	2AA 001 200-023
257003.LN000	8JS 711 683-002	297030	8JS 728 596-851	897025	8JS 728 596-342	81.25210.0026	2AA 001 200-041
257004.LN000	8JS 711 683-052	297030.LN000	8JS 728 596-171	897030	8JS 728 596-352	81.25210.0027	2AA 001 200-141
257005	8JS 711 684-002	297030.LN000	8JS 728 596-091	955050.HN000	8JS 713 575-021	81.25210.0089	2AA 001 200-011
257005.LN000	8JS 711 684-002	29707.5LN000	8JS 728 596-111	955080.HN000	8JS 713 575-001	81.25210.0089	2AA 001 200-012
257010.LN000	8JS 711 686-002	298100	8JS 742 902-001	970019	8PE 713 576-011	81.25301.6042	3BA 002 768-382
257015.LN000	8JS 711 687-002	298100.TN000	8JS 742 902-001	Maehler & Kaege HELLA			3AF 003 399-071
257020	8JS 711 688-002	298125	8JS 742 902-011	5.0008.000	8JS 025 889-003	81.25301.6045	3AF 003 399-061
257020	8JS 711 688-821	298125.TN000	8JS 742 902-011	5.00016.000	8JS 089 015-003	81.25301.6048	3BA 002 768-082
257020.LN000	8JS 711 688-002	298150	8JS 742 902-021	5.00025.000	8JS 091 603-003	81.25301.6074	3BA 002 768-082
257025	8JS 711 689-002	298150.TN000	8JS 742 902-021	5.00073.900	8JB 004 123-001	81.25402.6625	8KA 560 271-002
257025	8JS 711 689-821	298175	8JS 742 902-031	5.00731.000	8JA 002 252-103	81.25432.0034	8JB 001 946-031
257025.LN000	8JS 711 689-002	298175.TN000	8JS 742 902-031	5.00731.000	8JA 004 667-001	81.25432.0075	8JB 001 946-021
257030.LN000	8JS 711 690-002	298200	8JS 742 902-041	5.00781.000	8EK 002 843-001	81.25432.0075	8JB 001 946-022
257035.LN000	8JS 711 683-042	298200.TN000	8JS 742 902-041	5.00782.000	8EK 001 559-001	81.25432-6198	8JB 007 242-021
257040.LN000	8JS 711 683-031	298225	8JS 742 902-061	5.05600.000	8JD 002 289-001	81.25434.0017	8JD 002 289-011
25707.5LN000	8JS 711 685-002	298225.TN000	8JS 742 902-051	5.05601.000	8JD 002 294-001	81.25435.0005	8JA 002 263-001
283030	8JS 740 026-501	298250	8JS 742 902-061	5.05602.000	8JD 002 291-001	81.25435.0040	8JA 001 915-001
283040	8JS 740 026-511	298250.TN000	8JS 742 902-051	5.05603.000	8JD 002 290-001	81.25435.0045	8JA 715 606-001
283050	8JS 740 026-521	298300	8JS 742 902-071	5.07634.500	2AA 001 200-021	81.25435.0094	8JA 001 926-001
283060	8JS 740 026-531	298300.TN000	8JS 742 902-071	5.07634.600	2AA 001 200-011	81.25435.0107	8JA 703 947-011
283070	8JS 740 026-541	298350	8JS 742 902-081	5.07634.800	2AA 001 200-031	81.25435.0175	8JA 001 918-002
283080	8JS 740 026-551	298400	8JS 742 902-091	5.07634.900	2AA 001 200-001	81.25435.0175	8JA 001 918-021
283080	8JS 740 026-561	298450	8JS 742 902-101	5.08200.008	8KV 002 127-003	81.25435.0240	8KV 002 127-003
283100	8JS 740 026-561	298500	8JS 742 902-111	5.08200.016	8KV 002 127-021	81.25435.0240	8KV 002 127-007
283120	8JS 740 026-571	298900.TN000	8JD 743 135-001	5.08234.000	8KV 002 137-001	81.25435.0397	8KV 003 285-002
29 30 20	8JS 740 026-001	299020	8JS 728 595-051	5.08235.000	8KV 002 139-001	81.25435.0591	8JA 003 832-001
29 30 30	8JS 740 026-011	299020	8JS 728 595-131	5.08236.000	8KV 002 140-001	81.25435.0888	8JA 003 526-001
29 30 40	8JS 740 026-021	299020.BN000	8JS 728 595-051	5.08237.000	8KV 002 141-001	81.25435.0888	8JA 003 526-002
29 30 50	8JS 740 026-031	299020.TN000	8JS 728 595-131	5.09990.000	6ZF 003 549-001	81.25435.6155	8JA 001 920-011
29 30 60	8JS 740 026-041	299030	8JS 728 595-061	6.00717.000	8JA 002 263-001	81.25503.0029	6JF 001 571-001
29 38 30	8JS 740 026-101	299030	8JS 728 595-141	6.00722.000	8JB 006 462-001	81.25503.0053	6HF 001 579-011
29 38 40	8JS 740 026-111	299030.BN000	8JS 728 595-061	6.00732.000	8JB 001 946-031	81.25503.0130	6HF 002 372-041
29 40 30	8JS 740 026-201	299030.TN000	8JS 728 595-141	6.00732.300	8JB 001 946-001	81.25503.0131	6JF 001 571-041
29 40 60	8JS 740 026-211	299040	8JS 728 595-071	6.00733.300	8JB 001 946-011	81.25503.0131	6JF 001 571-041
29 40 80	8JS 740 026-221	299040	8JS 728 595-151	6.00737.000	8JB 001 946-011	81.25505.0333	5WA 001 871-051
29 41 00	8JS 740 026-231	299040.BN000	8JS 728 595-071	6.00753.002	8JB 003 833-001	81.25505.0426	6ZF 182 914-051
29 50 80	8JS 740 026-301	299040.TN000	8JS 728 595-151	6.00753.616	8JB 003 833-001	81.25505.0538	6ZF 182 914-031
293020.BN000	8JS 740 026-001	299050	8JS 728 595-081	6.00753.902	8JB 003 833-011	81.25505.0616	6ZF 182 914-051
293030.BN000	8JS 740 026-011	299050	8JS 728 595-161	6.00754.000	8JB 003 834-001	81.25505.0636	6ZF 182 914-051
293040.BN000	8JS 740 026-021	299050.BN000	8JS 728 595-081	6.00754.900	8JA 003 831-001	81.25505.0730	6ZF 003 549-001
293050.BN000	8JS 740 026-031	299050.TN000	8JS 728 595-161	6.00757.000	8JA 003 832-001	81.25505.0794	6ZF 182 914-031
293060.BN000	8JS 740 026-041	299060	8JS 728 595-091	6.00757.900	8JB 001 939-001	81.25505.0864	6ZF 182 914-031
293525	8JS 740 026-601	299060	8JS 728 595-171	6.00773.000	8JB 006 464-001	81.25505.0956	6ZF 182 914-041
293530	8JS 740 026-611	299060.BN000	8JS 728 595-091	6.00774.000	8JB 001 941-002	81.25505.6016	6ZF 182 914-051
293545	8JS 740 026-701	299060.TN000	8JS 728 595-171	6.00774.000	8JA 001 918-002	81.25505.6046	6ED 004 778-021
293565	8JS 740 026-711	299070	8JS 728 595-101	6.00783.000	8JA 001 918-021	81.25505.7014	6FG 002 312-001
293575	8JS 740 026-721	299070	8JS 728 595-181	6.00784.000	8JA 001 915-001	81.25505.7014	6FG 002 312-002
293830.TN000	8JS 740 026-101	299070.BN000	8JS 728 595-101	6.00784.000	8JA 002 262-001	81.25506.7000	6EK 001 559-001
293840.TN000	8JS 740 026-111	299070.TN000	8JS 728 595-111	6.00922.000	8JA 002 262-001	81.25506.7000	6EK 001 559-001
294030.BN000	8JS 740 026-201	299080	8JS 728 595-111	6.00922.900	8JB 001 943-041	81.25506.7000	6AJ 001 751-021
294040	8JS 740 026-241	299080	8JS 728 595-181	6.00927.000	8JB 002 281-001	81.25506.7000	6ZF 182 914-051
294040.BN000	8JS 740 026-241	299080.BN000	8JS 728 595-111	6.00929.000	8JB 001 935-031	81.25507.0000	5WG 002 450-291
294050.TN000	8JS 740 026-251	299080.TN000	8JS 728 595-191	6.00941.000	8JA 001 931-041	81.25507.0000	5WG 002 450-297
294060.BN000	8JS 740 026-211	312005	8JS 713 564-002	6.00942.000	8JA 001 931-041	81.25902.0191	4RD 933 332-071
294070	8JS 740 026-261	312010	8JS 713 805-003	6.00998.000	8JA 001 930-003	81.25902.0248	4RD 933 332-077
294070.TN000	8JS 740 026-261	312015	8JS 713 806-003	6.00998.300	8JA 005 476-001	81.25902.0248	5WG 002 450-301
294080.BN000	8JS 740 026-221	312020	8JS 713 807-003	6.00998.900	8JA 001 930-031	81.25902-0537	5WG 002 450-307
294100.TN000	8JS 740 026-231	312025	8JS 713 808-003	6.77400.140	8KA 004 797-021	81.25906.0001	3SB 00

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Cross-reference



MAN	HELLA	MAN	HELLA	Mekra	HELLA	Menders	HELLA
81.63730.6209	8SB 003 978-041	88.63731.6100	8HG 503 009-082	20.6821.900	8JA 001 918-021	004272	8JB 001 943-011
81.63730.6214	8SB 501 137-031	88.63731-6101	8HG 503 009-022	20.6822.000	8JB 001 941-002	004273.00	8JB 001 943-011
81.63730.6219	8SB 501 137-031	88.63731-6127	9HD 563 475-041	39.3120.410	9MX 561 044-002	004273.90	8JB 001 943-011
81.63730.6220	8SB 501 156-021	88.97010.0007	9SK 702 331-071	40.1510.122	9EY 117 129-001	004315.00	8JB 001 940-001
81.63730.6221	8SB 501 156-031	90.81626.2151	8KV 002 139-001	40.1520.114	9EY 111 231-001	004317.00	8JB 001 941-002
81.63730.6222	8SB 501 147-003	90.80030.1107	8XY 004 734-001	40.1520.114	9EY 117 127-001	004317.90	8JB 001 941-002
81.63730.6222	8SB 501 147-021	90.81613.1212	8JB 001 946-021	40.2460.114	9EY 117 124-001	004337.00	8JB 001 941-041
81.63730.6312	9HB 562 837-022	90.81613.1212	8JB 001 946-022	40.2530.222	9EY 125 314-001	004337.90	8JB 001 941-041
81.63730.6314	8SB 501 325-002	90.81615.9213	2AA 001 200-131	40.2540.222	9EY 122 979-001	004337.80	8JB 001 941-041
81.63730.6320	9SV 562 829-002	90.81615.9223	2AA 001 200-001	40.2540.422	9MX 127 586-001	005113.00	8JA 005 951-001
81.63730.6321	8HS 563 390-002	90.81616.1214	6BG 001 545-001	40.2580.222	9EY 561 445-001	005113.90	8JA 005 951-001
81.63730.6345	8SB 354 504-011	90.81616.1225	6BF 001 571-001	40.2580.422	9MX 561 449-001	005117.90	8JA 005 476-001
81.63730.6347	8SB 354 504-021	90.81616.1230	6JF 001 572-001	40.2600.404	9MX 561 890-001	005165.00	8JA 001 916-001
81.63730.6351	8SB 354 504-011	90.81616.1246	6FG 002 312-001	40.2660.204	9EY 561 814-001	005167	8JA 001 918-002
81.63730.6395	8SB 354 504-011	90.81616.1246	6FG 002 312-002	40.2660.404	9MX 561 890-001	005167	8JA 001 918-021
81.63730.6399	8SB 354 504-021	90.81616.1258	6ED 001 563-021	40.2680.404	9MX 561 890-001	005167.00	8JA 001 918-002
81.63730.6409	8SB 354 505-011	90.81616.1268	6ED 004 778-021	40.3410.222	9EY 120 010-001	005167.00	8JA 001 918-021
81.63730.6430	8SB 354 504-011	90.81626.3135	8JA 001 926-001	40.3410.422	9MX 561 891-001	005167.90	8JA 001 918-002
81.63730.6432	8SB 354 504-021	99.11471.0015	6ZF 182 914-031	40.3640.222	9EY 120 010-001	005167.90	8JA 001 918-021
81.63730.6443	8SB 354 505-011	990.00.58.0218	4DM 003 474-001	40.3640.422	9MX 560 096-002	005177.00	8JA 001 918-011
81.63730-0066	9BG 562 813-002	990.00.58.0218	4DM 003 474-007	40.3680.222	9EY 563 168-001	005177.90	8JA 001 918-111
81.63730-0067	9BG 562 814-002	N1.01102-5665	8EV 003 361-011	40.3680.422	9MX 563 167-001	005177.80	8JA 001 918-011
81.63730-0072	9SV 562 840-003	N1.01102-7385	8KW 048 056-033	40.4481.114	9EY 117 125-001	005190.00	8JA 001 930-031
81.63731.0232	9BP 561 006-012	N1.01102-8892	8KX 707 913-011	40.4490.114	9EY 117 126-001	005190.90	8JA 001 930-031
81.63731.0248	9XD 562 800-052	N1.01102-9125	8KW 701 235-033	403640222H	9EY 120 010-001	005192.00	8JA 001 930-041
81.63731.6134	8HG 561 108-002	N1.01102-9125	8KW 701 235-034	51.1511.111	8SB 002 997-103	005192.80	8JA 001 930-041
81.63731.6281	9BP 501 238-002	N1.01102-9203	3PA 004 206-011	51.1511.112	8SB 002 997-103	005197	8JA 001 930-003
81.63731.6304	9BP 561 138-052	Massey	HELLA	51.1511.113	8SB 002 997-103	005197.00	8JA 001 930-003
81.63731-0257	9HD 562 802-012	Ferguson		51.1511.211	8SB 002 997-001	005197.90	8JA 001 930-003
81.63731-6414	8HG 503 019-012	0 963 128 M1	8KW 043 636-003	51.1511.212	8SB 002 997-001	005206.00	8JA 007 644-041
81.63731-6416	8HG 503 019-022	1 604 928 M1	8KW 700 144-003	51.1511.213	8SB 002 997-001	005208.00	8JA 007 644-041
81.63732.0054	9HB 863 835-001	1 654 364 M1	6ED 004 778-001	51.1520.211	8SB 002 994-001	005498.00	8JB 001 939-001
81.63732.0055	9HB 863 836-001	1 678 404 M1	3AL 002 952-811	51.1522.211	8SB 002 994-001	005498.00	8JB 006 464-001
81.63732.0056	9HB 863 840-001	1 678 404 M1	3AL 002 952-817	51.2460.218	8SB 002 990-001	005498.90	8JB 006 464-001
81.63732.0057	9HB 863 839-001	1 678 404 M1	3AL 002 952-857	51.2491.111	8SB 003 609-061	005532.00	8KA 007 648-061
81.63732.0059	9HB 863 835-001	1 678 404 M1	3AL 002 952-817	51.2493.111	8SB 004 288-001	005546.00	8JA 005 952-011
81.63732.0060	9HB 863 836-001	1 678 404 MO1A	3AL 002 952-817	51.2493.131	8SB 004 288-103	005546.90	8JA 005 952-011
81.63732.0061	9HB 863 839-001	1 678 404 MO1A	9EL 043 137-001	51.2510.127	8SB 560 991-012	005547.00	8JA 005 952-061
81.63732.0062	9HB 863 840-001	1 699 227 M3	9EY 117 125-001	51.2510.147	8SB 560 991-041	005549.00	8JA 008 981-001
81.63733.0012	9EY 111 125-001	2 942 310 M91	2AA 001 200-041	51.2530.140	8SB 003 978-041	005550	8JA 005 952-001
81.63733.0015	9EY 111 124-001	3 101 666 M1	4RA 007 793-041	51.2540.120	8SB 003 614-001	005550.00	8JA 005 952-001
81.63733.0019	9EY 111 231-001	3 387 326 M2	4RA 007 793-041	51.2540.130	8SB 003 614-081	005552.00	8JA 005 952-011
81.63733.0021	9EY 111 231-001	3 387 326 M2	4RA 007 793-047	51.2540.140	8SB 003 614-011	005557.00	8JA 005 952-041
81.63733.0025	9EY 120 010-001	3 539 335 M92	4RA 933 791-061	51.2580.120	8SB 501 081-031	005557.70	8JA 005 952-041
81.63733.0027	9EY 561 042-002	3 539 335 M92	4RA 933 791-067	51.2580.140	8SB 501 081-041	005596.85	8KA 007 648-051
81.63733.0030	9EY 120 010-001	3 580 269 M2	3AL 006 958-857	51.2587.148	8SB 501 081-082	005600.00	8JA 008 969-001
81.63733.0032	9EY 561 042-002	3 582 244 4M91	8BW 003 443-047	51.3300.147	8SB 501 190-082	005600.90	8JA 008 969-001
81.63733.0038	9EY 125 314-001	3 582 444 M91	8BW 003 443-067	51.3410.127	8SB 501 156-021	005602.00	8JA 005 952-061
81.63733.0039	9EY 561 445-001	3 582 444 M91A	8BW 003 443-067	51.3410.147	8SB 501 156-031	005604.00	8JA 008 981-001
81.63733.0042	9EY 561 814-001	3 615 652 M1	4RD 007 794-031	51.3490.110	8SB 507 042-001	005604.90	8JA 008 981-001
81.63733.0061	9EY 561 814-001	3 823 047 M1	8JB 008 023-011	51.3490.112	8SB 507 042-011	005807.90	8JB 003 833-031
81.63733.0064	9EY 120 010-001	3 824 679 M1	8JA 007 589-001	51.3490.120	8SB 507 043-001	005807.00	8JB 003 833-031
81.63733.0067	9MX 563 468-002	3 824 679 M1	8JA 007 589-002	51.3490.122	8SB 507 043-011	005809.00	8JB 003 833-001
81.63733.0082	9MX 863 837-001	3 901 645 M1	2AA 001 201-011	51.3680.147	8SB 501 274-001	005809.90	8JB 003 833-001
81.63733.0085	9MX 863 848-001	3104956M1	9EY 117 126-014	51.3680.167	8SB 501 273-001	005811.90	8JB 003 834-031
81.63733.6001	9MX 561 044-002	4 270 844 M1	4RA 007 793-031	51.3735.124	8SB 501 325-012	005811.00	8JB 003 834-031
81.63733.6003	9MX 560 096-002	4 272 432 M1	4RA 007 793-037	51.3735.126	8SB 501 325-002	005812.00	8JB 003 834-021
81.63733.6006	9EY 561 814-001	4 272 432 M1	4RD 007 794-021	51.3736.124	8SB 501 325-012	005814.00	8JB 003 834-021
81.63733.6006	9MX 560 096-002	4 272 432 M1	3AL 002 952-811	51.3736.126	8SB 501 325-002	005815.00	8JB 003 834-031
81.63733.6007	9MX 561 890-001	4 355 332 M1	3AL 002 952-817	51.3921.222H	8SB 354 504-011	005816.00	8JB 003 833-001
81.63733.6017	9MX 562 846-002	4 355 332 M1	4RD 007 814-011	51.3922.222H	8SB 354 504-021	005816.90	8JB 003 834-001
81.63733.6023	9MX 562 841-002	4272431M1	4RD 007 814-017	51.3922.222H	8SB 354 505-021	005817.00	8JB 003 834-001
81.63733.6033	9MX 863 837-001	4272431M1	8JB 008 023-001	51.4490.218	8SB 002 991-001	005817.90	8JB 003 834-001
81.63733.6037	9MX 863 848-001	4272534M1	6DD 001 551-011	5136401271	8SB 507 041-011	005836.00	8JB 007 645-031
81.63733.6024	9MX 563 468-002	9 690 00 M1	6DD 001 551-017	56.2660.127	8SB 501 147-021	005836.70	8JB 007 645-031
81.68733-0040	9MX 561 449-001	9 690 00 M1	Mazda	56.2660.147	8SB 501 147-031	005837.00	8JB 007 645-031
81.77630.0093	8TW 004 764-041	HELLA		56.3931.222H	8SB 354 505-011	005837.70	8JB 007 645-031
81.96420-0495	9GH 562 803-002	1E00-76-672	8TW 006 847-001	59.2652.110	8SB 501 137-031	005839.00	8JB 007 645-031
81252100029	2AA 001 200-151	Mega	HELLA	59.3495.110	8SB 507 042-001	005840.00	8JB 007 645-031
81637306377	8SB 002 991-001	513.12.00	8JB 005 949-001	59.3495.112	8SB 507 042-011	005840.70	8JB 007 645-031
82.25301.6000	3BA 002 768-382	513.12.10	8HG 005 953-001	59.3495.120	8SB 507 043-001	005842.00	8JB 007 242-011
82.00003.9858	6FG 002 315-001	513.12.20	8JA 005 951-001	59.3495.122	8SB 507 043-011	005842.70	8JB 007 242-011
82.00004.0606	6ED 004 778-021	513.12.30	8JA 005 952-001	59.3702.431H	8SB 354 506-801	005843.00	8JB 007 242-011
82.25432.0010	8JB 001 935-031	Mekra	HELLA	59.3712.441H	8SB 354 506-811	005843.70	8JB 007 242-011
82.25432.0011	8JB 004 123-001	09.2000.301	8KA 500 218-002	59.3941.222H	8SB 354 509-001	005845.00	8JB 007 242-011
82.25432.0011	8JB 004 123-002	09.2070.101	8KA 003 806-001	59.3962.210H	8SB 507 052-001	005845.70	8JB 007 242-021
82.25432.0035	8JB 003 834-001	09.2070.101	8KA 500 218-002	59.3964.210H	8SB 507 056-001	005845.70	8JB 007 242-021
82.25435-0052	8JA 001 931-041	09.2070.101	8KA 560 271-002	59.3965.210H	8SB 507 050-001	005847.00	8JB 007 242-021
82.25505.0004	6FG 002 315-001	11.3730.210H	9HB 863 833-001	59.5790.110H	8SB 507 060-00		



Manufacturer's no. / HELLA no.

Cross-reference

Menders	HELLA	Mercedes-Benz	HELLA	Mercedes-Benz	HELLA	Mercedes-Benz	HELLA
005912.00	8JA 003 831-011	000 810 63 16	8SB 501 081-082	001 811 21 33	9MX 564 235-001	123 869 01 21	8TW 005 496-011
005913.00	8JA 003 831-001	000 810 94 16	8SB 507 044-011	001 811 23 14	9BP 564 386-002	124 470 00 05	8XY 007 022-001
005914.00	8JA 003 832-011	000 810 95 16	8SB 507 044-001	001 811 30 14	9XD 562 800-052	124 869 00 21	8TW 005 496-011
005916.00	8JA 003 832-001	000 810 96 16	8SB 507 045-001	001 811 31 33	9MX 127 585-002	124 869 01 21	8TW 005 496-011
005916.90	8JA 003 832-001	000 811 00 44	9GD 564 362-002	001 811 43 33	9MX 563 716-032	124 869 02 21	8TW 005 496-011
005917.00	8JA 003 832-001	000 811 00 93	9GH 562 803-002	001 811 45 33	9MX 564 305-002	124 869 03 21	8TW 005 496-011
005945.00	8JA 007 241-031	000 811 02 06	9HB 564 363-002	001 811 46 33	9MX 564 356-002	124 869 04 21	8TW 005 496-011
005945.70	8JA 007 241-031	000 811 02 60	9HB 564 363-002	001 811 47 33	9MX 564 357-002	124 869 05 21	8TW 005 496-011
005946.00	8JA 007 241-021	000 811 02 86	9SV 562 829-002	001 811 60 33	9MX 564 235-001	124 869 06 21	8TW 005 496-011
005947.00	8JA 007 241-021	000 811 03 25	9XD 564 384-002	001 811 63 33	9MX 563 468-002	140 000 31 76	3SB 004 438-155
005947.70	8JA 007 644-051	000 811 03 60	9HB 564 364-002	001 811 66 33	9MX 562 841-002	140 869 02 21	8TW 005 496-011
005948.00	8JA 007 644-051	000 811 04 25	9HB 564 364-002	001 811 69 33	9MX 564 246-001	163 542 02 20	3AL 006 958-837
005948.70	8JA 007 644-051	000 811 04 60	9HB 564 365-002	001 811 70 33	9EY 125 314-001	163 542 02 20	3AL 006 958-837
005951	8JA 007 644-051	000 811 05 60	9HB 564 365-002	001 811 73 33	9MX 564 247-001	202 869 00 21	8TW 005 496-011
005951.00	8JA 008 831-001	000 811 05 61	9HD 564 383-002	001 821 36 51	6ED 004 778-021	209 820 07 26	8WV 115 095-001
005951.90	8JA 008 831-001	000 811 06 33	9EY 117 129-001	002 540 11 81	8JA 005 952-061	210 545 14 04	6ME 007 329-231
005952.00	8JA 008 831-001	000 811 06 60	9EY 117 129-001	002 540 52 81	8JB 005 949-011	210 869 08 21	8TW 006 848-041
005952.90	8JA 008 831-001	000 811 06 61	9EY 117 129-001	002 540 52 81	8JB 005 949-012	210 869 10 21	8TW 006 847-021
005953.00	8JA 008 831-001	000 811 07 60	9EY 117 129-001	002 542 48 19	4RA 007 865-031	210 869 11 21	8TW 007 540-141
005953.70	8JA 007 644-041	000 811 08 60	9EY 117 129-001	002 542 48 20	3AF 003 399-071	215 860 01 47	8WT 007 982-011
005957.00	8JA 007 644-041	000 811 09 60	9EY 117 129-001	002 542 67 20	3BA 002 768-382	215 860 02 47	8WT 007 982-028
005957.70	8JA 007 644-041	000 811 10 20	9EY 117 129-001	002 544 04 32	4DW 003 944-071	314 810 13 16	8SB 003 614-011
005961	8JA 003 832-001	000 811 10 33	9EY 117 129-001	002 544 54 32	4AZ 001 879-041	314 810 19 16	8SB 003 614-081
005961.00	8JA 008 084-011	000 811 10 33	9EY 117 129-001	002 544 55 32	4AZ 001 879-051	314 810 20 16	8SB 003 614-011
005961.90	8JA 008 084-011	000 811 10 61	9EY 117 129-001	002 544 59 32	4DW 002 834-121	314 810 03 30	8SB 002 995-011
005962.00	8JA 008 084-011	000 811 15 60	9EY 117 129-001	002 544 79 32	4DW 003 944-071	321 811 02 33	9EY 111 231-001
005962.90	8JA 008 084-031	000 811 19 33	9EY 117 129-001	002 544 84 32	4DM 004 639-061	322 811 00 30	8SB 002 997-001
006003.00	8JA 008 084-031	000 811 20 07	9EY 117 129-001	002 544 84 32	4DM 004 639-067	350 090 90 03	2AA 001 204-001
006003.90	9GT 735 641-012	000 811 20 33	9EY 117 129-001	002 544 87 32	4DW 003 390-061	350 090 90 04	2AA 001 204-011
006005.00	9GT 735 641-012	000 811 21 33	9EY 117 129-001	002 544 92 32	4DM 003 360-021	356 811 04 71	9HB 863 833-001
006057.00	9GD 735 641-001	000 811 24 33	9EY 117 129-001	002 544 92 32	4DM 003 360-027	357 810 01 19	8SB 501 192-002
006057.90	9GD 735 641-001	000 811 33 33	9EY 117 129-001	002 545 05 32	4RV 008 188-001	357 810 70 93	8SB 501 190-082
006802.00	9JB 001 446-082	000 811 34 33	9EY 117 129-001	002 545 06 32	4RV 008 188-021	357 811 12 11	9BP 501 238-022
006804.00	8JA 002 262-001	000 811 35 33	9EY 117 129-001	002 545 08 32	4RV 008 188-001	372 860 05 60	8BW 003 443-011
006806.00	8JA 002 262-001	000 811 38 33	9EY 117 129-001	002 545 09 32	4RV 008 188-021	381 810 25 16	8SB 003 978-001
006807.00	8JB 001 946-011	000 811 46 30	9EY 117 129-001	002 545 11 26	8JB 001 935-031	381 810 25 16	9EY 125 314-001
006808.00	8JB 001 946-021	000 811 66 33	9EY 117 129-001	002 545 15 28	8KV 002 135-821	381 810 26 16	8SB 003 978-041
006810.00	8JB 001 946-021	000 811 67 33	9EY 117 129-001	002 545 51 26	8JB 001 946-001	381 810 37 16	8SB 501 081-031
006811.00	8JB 001 946-051	000 811 74 33	9EY 117 129-001	002 545 81 14	6ZF 182 914-031	381 810 38 16	8SB 501 081-041
006812.00	8JB 001 946-051	000 811 80 33	9EY 117 129-001	002 545 81 14	9MX 564 248-001	381 810 71 16	8SB 003 978-001
006815.00	8JA 002 252-103	000 811 84 33	9EY 117 129-001	002 810 01 33	9MX 564 234-011	381 810 71 16	9EY 125 314-001
006817.00	8JB 001 933-011	000 820 27 13	9EY 117 129-001	002 810 07 10	6JF 001 571-041	381 810 73 16	8SB 003 978-041
006818.00	8JA 002 263-011	000 820 28 13	9EY 117 129-001	002 820 07 10	6JF 001 571-047	406 810 04 16	8SB 002 994-001
080944.00	6EK 008 776-041	000 820 71 10	9EY 117 129-001	002 821 07 51	6JF 001 572-001	406 810 52 16	8SB 002 994-001
080945.00	6EK 008 776-051	000 820 72 10	9EY 117 129-001	002 821 08 16	8SB 507 060-001	460 810 03 16	8SB 003 609-061
080948.00	6EK 008 776-051	000 820 90 10	9EY 117 129-001	003 542 03 20	3AF 003 399-061	461 544 02 32	4DM 004 639-061
080949.00	6EK 008 776-021	000 820 90 10	9EY 117 129-001	003 542 07 02	3AF 003 399-061	461 544 02 32	4DM 004 639-067
080966.00	6EK 008 776-011	000 821 01 29	9EY 117 129-001	003 542 07 02	3AL 002 952-817	461 544 03 32	4DM 004 639-061
080979.00	6EK 008 776-001	000 821 27 52	9EY 117 129-001	003 542 07 20	3AL 002 952-811	461 544 03 32	4DM 004 639-067
000 000 57 17	8JA 003 526-001	000 821 31 52	9EY 117 129-001	003 542 10 20	3AL 002 952-817	500 076 70 01	8JB 001 933-031
000 000 57 17	8JA 003 526-002	000 821 38 25	9EY 117 129-001	003 542 10 20	3AL 002 952-861	500 076 70 01	2AA 001 200-011
000 069 12 22	8WV 115 095-001	000 822 04 07	9EY 117 129-001	003 542 13 20	3AL 002 952-811	500 141 86 05	2AA 001 200-012
000 471 12 30	8XY 004 734-001	000 822 13 21	9EY 117 129-001	003 542 13 20	3AL 002 952-817	500 141 86 05	8JA 002 262-003
000 540 16 66	9FF 713 627-031	000 840 84 16	9EY 117 129-001	003 542 44 20	3AG 003 399-081	500 279 90 01	8KX 043 021-031
000 542 11 21	3PA 004 206-031	000 860 08 26	9EY 117 129-001	003 542 45 20	3AG 003 399-101	500 279 90 01	8KX 043 021-032
000 542 71 23	3SB 004 438-155	000 860 10 60	9EY 117 129-001	003 542 47 20	3AF 003 399-061	500 304 86 01	8JB 001 946-031
000 544 60 31	6NM 008 299-501	000 860 13 26	9EY 117 129-001	003 542 48 20	3AF 003 399-071	500 678 90 01	8KV 002 137-001
000 545 06 36	9SL 706 729-011	000 860 14 26	9EY 117 129-001	003 542 78 20	3AG 003 399-081	601 810 01 16	8SB 003 609-061
000 545 06 36	9SL 706 729-011	000 860 20 26	9EY 117 129-001	003 544 03 32	4DW 004 513-021	601 810 02 16	8SB 003 609-061
000 545 07 81	9SG 703 965-007	000 860 22 26	9EY 117 129-001	003 544 27 32	4DB 003 750-711	601 810 09 16	8SB 004 288-103
000 545 21 15	2AA 001 200-011	000 860 23 26	9EY 117 129-001	003 544 27 32	4DB 003 750-717	603 811 00 30	8SB 003 609-061
000 545 21 15	2AA 001 200-012	000 860 33 26	9EY 117 129-001	003 544 56 32	4DW 004 513-021	611 810 00 16	8SB 004 288-001
000 545 25 08	6EK 001 559-001	000 860 35 26	9EY 117 129-001	003 544 57 32	4DW 004 513-031	611 810 01 16	8SB 004 288-001
000 545 25 08	6EK 001 559-007	000 860 47 26	9EY 117 129-001	003 544 92 32	4DM 003 360-021	629 860 03 60	8BW 003 443-011
000 545 29 01	8JD 002 289-001	000 869 01 98	9EY 117 129-001	003 544 92 32	4DM 003 360-027	638 860 01 26	8TW 004 764-021
000 545 36 37	9SK 702 331-071	000 869 12 22	9EY 117 129-001	003 545 16 14	6ZF 182 914-031	638 860 02 26	8TW 004 764-021
000 545 37 14	6EJ 001 569-001	000 869 36 21	9EY 117 129-001	003 545 25 32	4RV 008 188-031	641 810 42 16	8SB 501 274-001
000 545 41 08	6LB 005 389-001	000 869 38 21	9EY 117 129-001	003 545 58 14	6ZF 182 914-061	641 810 44 16	8SB 501 273-001
000 545 49 08	6EK 002 843-001	000 869 40 21	9EY 117 129-001	004 542 50 20	3SB 002 768-031	641 810 44 16	8SB 501 274-001
000 545 49 08	6EK 002 843-003	000 982 00 23	9EY 117 129-001	004 545 02 24	6HF 002 372-041	663 811 00 33	9EY 117 126-001
000 545 49 08	6EK 002 843-007	000 982 05 23	9EY 117 129-001	004 545 14 28	8JA 001 926-001	670 810 60 93	8SB 501 358-002
000 545 66 04	6LB 005 389-001	000 982 06 23	9EY 117 129-001	004 545 32 26	8JB 001 943-001	670 810 61 93	8SB 501 358-012
000 545 84 08	6EK 001 559-001	000 982 06 23	9EY 117 129-001	004 545 32 26	8JB 001 943-003	670 810 62 93	8SB 501 358-032
000 545 84 08	6EK 001 559-007	000 982 06 23	9EY 117 129-001	005 545 40 26	8KW 701 671-003	670 810 65 93	8SB 501 359-002
000 545 84 25	4RD 933 332-071	000 982 07 23	9EY 117 129-001	005 545 40 32	4RV 008 188-061	670 810 66 93	8SB 501 359-012
000 545 97 08	4RD 933 332-077	000 982 07					

Manufacturer's no. / HELLA no.

Cross-reference



Mercedes-Benz	HELLA	Mercedes-Benz	HELLA	Mercedes-Benz	HELLA	Mercedes-Benz	HELLA
A 000 545 37 14	6EJ 001 569-001	A 000 869 40 21	8TW 006 849-091	A 004 542 50 20	3SB 002 768-031	A 641 810 44 16	8SB 501 274-001
A 000 545 41 04	6LB 005 389-001	A 000 982 00 23	4DM 003 360-021	A 004 545 02 24	6HF 002 372-041	A 663 811 00 33	9EY 117 126-001
A 000 545 49 08	6EK 002 843-001	A 000 982 00 23	4DM 003 360-027	A 004 545 14 28	8JA 001 926-001	A 670 810 60 93	8SB 501 358-002
A 000 545 49 08	6EK 002 843-003	A 000 982 05 23	4AZ 001 879-051	A 004 545 32 26	8JB 001 943-001	A 670 810 61 93	8SB 501 358-012
A 000 545 49 08	6EK 002 843-007	A 000 982 06 23	4DB 003 750-711	A 004 545 32 26	8JB 001 943-003	A 670 810 62 93	8SB 501 358-032
A 000 545 66 04	6LB 005 389-001	A 000 982 06 23	4DB 003 750-717	A 005 545 40 26	8KW 701 671-003	A 670 810 65 93	8SB 501 359-002
A 000 545 84 08	6EK 001 559-001	A 000 982 07 23	5WG 002 450-111	A 005 545 40 32	4RV 008 188-061	A 670 810 66 93	8SB 501 359-012
A 000 545 84 08	6EK 001 559-007	A 000 982 07 23	5WG 002 450-117	A 005 545 41 32	4RV 008 188-001	A 670 810 67 93	8SB 501 359-022
A 000 545 84 25	4RD 933 332-071	A 000 982 07 23	5WG 002 450-311	A 005 545 45 32	4RV 008 188-031	A 671 810 14 16	8SB 501 346-022
A 000 545 97 08	4RD 933 332-077	A 000 982 07 23	5WG 002 450-317	A 005 545 92 24	6HH 004 175-021	A 670 810 08 16	8SB 503 978-001
A 000 545 97 08	6EK 002 843-001	A 000 982 13 23	4DM 004 639-061	A 005 820 05 10	6ZF 003 549-001	A 717 193 55 20	3AG 003 399-101
A 000 545 97 08	6EK 002 843-003	A 000 982 13 23	4DM 004 639-067	A 006 545 06 26	8JB 003 833-001	A 901 810 01 16	8SB 507 042-001
A 000 545 97 08	6EK 002 843-007	A 001 540 29 45	6ZB 006 377-017	A 006 545 33 07	6FG 002 312-001	A 901 810 02 16	8SB 507 043-001
A 000 545 99 01	8JD 002 289-001	A 001 542 14 27	2AA 003 257-031	A 006 545 33 07	6FG 002 312-002	A 901 810 09 16	8SB 507 042-011
A 000 545 99 01 0002	8JD 002 289-001	A 001 544 54 32	4DN 009 124-011	A 006 545 55 28	8JA 703 947-011	A 901 810 10 16	8SB 507 043-011
A 000 546 24 41	8KV 002 127-003	A 001 545 04 26	8JB 001 933-031	A 006 545 88 32	4RV 008 188-051	A 901 810 57 16	8SB 507 042-001
A 000 546 24 41	8KV 002 127-007	A 001 545 05 32	4RV 008 188-021	A 006 545 89 32	4RV 008 188-041	A 901 810 57 16	8SB 507 042-011
A 000 583 24 19	8JA 002 252-101	A 001 545 06 26	8JB 003 833-001	A 006 545 90 32	4RV 008 188-061	A 901 810 64 16	8SB 507 043-001
A 000 583 24 19	8JA 002 252-103	A 001 545 12 18	5DS 008 125-001	A 006 820 02 42	9MN 562 843-002	A 901 810 66 16	8SB 507 043-011
A 000 810 00 16	8SB 560 991-012	A 001 545 44 14	6ZF 182 914-031	A 006 820 23 42	9SV 562 829-002	A 940 810 55 16	8SB 507 056-001
A 000 810 01 48	9XD 564 323-002	A 001 545 47 14	6ZF 182 914-051	A 006 820 81 10	6GM 500 212-012	A 943 810 47 16	8SB 507 050-001
A 000 810 01 58	8HS 563 390-002	A 001 545 58 11	6ZE 001 759-071	A 007 545 16 32	4RV 008 188-071	A 973 810 73 16	8SB 507 052-001
A 000 810 02 79	8SB 507 046-001	A 001 545 69 11	6ZF 182 914-061	A 007 545 60 26	8JD 010 076-002	Q 10600 22940 31	8JD 002 294-081
A 000 810 03 79	8SB 507 046-011	A 001 545 82 14	6ZF 182 914-051	A 007 545 60 26	8JD 010 076-007	Q078002A331	6ZE 001 759-051
A 000 810 04 11	9BP 561 138-013	A 001 545 97 32	4RV 008 188-001	A 007 545 98 32	4RV 008 188-041	Q7731213000	8BW 001 946-037
A 000 810 04 16	8SB 003 614-001	A 001 545 98 32	4RV 008 188-021	A 007 545 99 32	4RV 008 188-061	QEV 111 ABZ71R	8KV 002 136-011
A 000 810 06 11	9BP 561 006-012	A 001 810 01 48	9XD 564 323-002	A 008 545 00 32	4RV 008 188-051		
A 000 810 06 16	8SB 003 614-081	A 001 810 21 16	8SB 501 401-802	A 009 820 30 10	6EJ 001 569-001		
A 000 810 07 12	9SV 562 844-003	A 001 810 23 16	8SB 501 402-802	A 011 545 26 26	8JB 001 941-001		
A 000 810 11 11	9MX 562 846-002	A 001 810 24 16	8SB 501 403-802	A 011 545 26 26	8JB 001 941-002		
A 000 810 14 79	8SB 507 053-011	A 001 810 27 16	8SB 501 401-822	A 012 545 64 28	8JA 001 915-001		
A 000 810 15 79	8SB 507 054-011	A 001 810 29 16	8SB 501 402-822	A 013 545 24 32	4RV 008 188-061		
A 000 810 16 79	8SB 507 055-001	A 001 810 30 16	8SB 501 403-822	A 015 545 30 32	4RV 008 188-071		
A 000 810 17 79	8SB 507 053-001	A 001 810 33 16	8SB 501 325-002	A 025 545 04 32	4RV 008 188-371		
A 000 810 18 79	8SB 507 054-001	A 001 810 39 16	8SB 501 325-012	A 029 545 47 28	8JA 001 931-041		
A 000 810 20 16	8SB 003 614-081	A 001 810 58 16	8SB 501 359-022	A 034 545 07 26	8JB 001 935-031		
A 000 810 20 33	9MX 564 234-001	A 001 810 59 16	8SB 501 137-031	A 074 410 50 41	6ZF 182 914-051		
A 000 810 23 16	8SB 003 978-041	A 001 810 83 14	8HG 002 211-001	A 123 471 02 30	8XY 006 369-001		
A 000 810 45 16	8SB 501 147-003	A 001 810 84 14	9XD 563 637-012	A 123 869 00 21	8TW 005 496-011		
A 000 810 63 16	8SB 501 081-082	A 001 811 21 33	9MX 564 235-001	A 123 869 01 21	8TW 005 496-011		
A 000 810 94 16	8SB 507 044-011	A 001 811 23 14	9BP 564 386-002	A 124 470 00 05	8XY 007 022-001		
A 000 810 95 16	8SB 507 044-001	A 001 811 30 14	9XD 562 800-052	A 124 869 00 21	8TW 005 496-011		
A 000 810 96 16	8SB 507 045-001	A 001 811 31 33	9MX 127 585-002	A 124 869 01 21	8TW 005 496-011		
A 000 811 00 44	9GD 564 362-002	A 001 811 43 33	9MX 563 716-032	A 124 869 02 21	8TW 005 496-011		
A 000 811 00 93	9GH 562 803-002	A 001 811 45 33	9MX 564 305-002	A 124 869 03 21	8TW 005 496-011		
A 000 811 02 06	9HB 564 363-002	A 001 811 46 33	9MX 564 356-002	A 124 869 04 21	8TW 005 496-011		
A 000 811 02 60	9HB 564 363-002	A 001 811 47 33	9MX 564 357-002	A 124 869 05 21	8TW 005 496-011		
A 000 811 02 86	9SV 562 829-002	A 001 811 60 33	9MX 564 235-021	A 124 869 06 21	8TW 005 496-011		
A 000 811 03 25	9XD 564 384-002	A 001 811 63 33	9MX 563 468-002	A 140 000 31 76	3SB 004 438-155		
A 000 811 03 60	9HB 564 364-002	A 001 811 66 33	9MX 562 841-002	A 140 869 02 21	8TW 005 496-011		
A 000 811 04 25	9XD 564 376-002	A 001 811 69 33	9MX 564 246-001	A 163 542 02 20	3AL 006 958-837		
A 000 811 04 60	9HB 564 365-002	A 001 811 70 33	9EY 125 314-001	A 163 542 02 20	3AL 006 958-837		
A 000 811 05 60	9HB 564 381-002	A 001 811 99 33	9MX 564 247-001	A 202 869 00 21	8TW 005 496-011		
A 000 811 05 61	9HD 564 383-002	A 001 821 36 51	6ED 004 778-021	A 209 820 07 26	8WV 115 095-001		
A 000 811 06 33	9EY 117 129-001	A 002 540 11 81	8JA 005 952-061	A 210 545 14 04	6ME 007 329-231		
A 000 811 06 60	9BG 562 812-002	A 002 540 52 81	8JB 005 949-011	A 210 869 08 21	8TW 006 848-041		
A 000 811 06 61	9HD 564 316-002	A 002 540 52 81	8JB 005 949-012	A 210 869 10 21	8TW 006 847-021		
A 000 811 07 60	9BG 562 814-002	A 002 542 48 19	4RA 007 865-031	A 210 869 11 21	8TW 007 540-141		
A 000 811 08 60	9HB 562 837-022	A 002 542 48 20	3AF 003 399-071	A 215 860 01 47	8WT 007 982-018		
A 000 811 09 60	9BG 564 360-002	A 002 542 67 20	3BA 002 768-382	A 215 860 02 47	8WT 007 982-028		
A 000 811 10 20	8SB 003 212-001	A 002 544 04 32	4DW 003 944-071	A 314 810 13 16	8SB 003 614-001		
A 000 811 10 33	9EY 111 231-001	A 002 544 54 32	4AZ 001 879-041	A 314 810 19 16	8SB 003 614-081		
A 000 811 10 33	9EY 117 127-001	A 002 544 55 32	4AZ 001 879-051	A 314 810 20 16	8SB 003 614-011		
A 000 811 10 61	9HD 562 802-012	A 002 544 59 32	4DW 002 834-121	A 314 811 03 30	8SB 002 995-011		
A 000 811 15 60	9BG 562 813-002	A 002 544 79 32	4DW 003 944-071	A 321 811 02 33	9EY 111 231-001		
A 000 811 19 33	9EY 122 979-001	A 002 544 84 32	4DM 004 639-061	A 322 811 00 30	8SB 002 997-001		
A 000 811 20 07	9HD 564 236-011	A 002 544 84 32	4DM 004 639-067	A 350 090 90 03	2AA 001 204-001		
A 000 811 20 33	9EY 561 042-002	A 002 544 87 32	4DW 003 390-061	A 350 090 90 04	2AA 001 204-011		
A 000 811 21 33	9EY 125 314-001	A 002 544 92 32	4DM 003 360-021	A 356 811 04 71	9HB 863 833-001		
A 000 811 24 33	9EY 120 010-001	A 002 544 92 32	4DM 003 360-027	A 357 810 01 19	8SB 501 192-002		
A 000 811 33 33	9EY 125 314-001	A 002 545 05 32	4RV 008 188-001	A 357 810 70 93	8SB 501 190-082		
A 000 811 34 33	9EY 561 445-001	A 002 545 06 32	4RV 008 188-021	A 357 811 12 11	9BP 501 238-022		
A 000 811 35 33	9EY 122 979-001	A 002 545 08 32	4RV 008 188-001	A 372 860 05 60	8BW 003 443-011		
A 000 811 38 33	9MX 561 449-001	A 002 545 09 32	4RV 008 188-021	A 381 810 25 16	8SB 003 978-001		
A 000 811 46 30	8SB 002 995-011	A 002 545 11 26	8JB 001 935-031	A 381 810 25 16	9EY 125 314-001		
A 000 811 66 33	9MX 560 996-002	A 002 545 15 28	8KV 002 135-821	A 381 810 26 16	8SB 003 978-041		
A 000 811 67 33	9EY 117 124-001	A 002 545 51 26	8JB 001 946-001	A 381 810 37 16	8SB 501 081-031		
A 000 811 74 33	9EY 125 314-001	A 002 545 81 14	6ZF 182 914-031	A 381 810 38 16	8SB 501 081-041		
A 000 811 80 33	9EY 561 814-001	A 002 811 00 33	9MX 564 248-001	A 381 810 71 16	8SB 003 978-001		
A 000 811 84 33	9EY 563 168-001	A 002 811 04 33	9MX 564 234-011	A 381 810 71 16	9EY 125 314-001		
A 000 820 27 13	8KA 188 581-001	A 002 820 07 10	6JF 001 571-041	A 381 810 73 16	8SB 003 978-041		
A 000 820 28 13	8KA 188 583-001	A 002 820 07 10	6JF 001 571-047	A 406 810 04 16	8SB 002 994-001		
A 000 820 71 10	6ZE 001 759-051	A 002 821 07 51	6JF 001 572-001	A 406 810 52 16			



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Cross-reference

Merit, Malta	HELLA	MTA	HELLA	MTA	HELLA	NATO	HELLA
738700	2AA 001 200-131	01.00540	8JD 005 993-072	07.02100	8JS 742 901-051	5935-12-300-4587	8JB 001 946-021
Messmer	HELLA	01.00560	8JD 005 993-092	07.02125	8JS 742 901-071	5935-12-300-4587	8JB 001 946-022
220 073	6JF 001 571-001	01.00580	8JD 005 993-112	13.01411	8KW 043 635-013	5935-12-304-2102	8JA 003 526-001
220 075	6JF 001 571-001	01.00590	8JD 005 993-122	13.01500	8KW 043 636-003	5935-12-304-2102	8JA 003 526-002
220 092	6ED 001 563-021	01.06600	8JD 005 993-102	18.51000	8KW 044 036-003	5935-12-305-4152	8JB 003 833-011
220 096	6ED 001 563-001	01.00610	8JD 005 993-082	18.52000	8KW 702 796-003	5935-12-306-9243	8JA 001 931-041
221 063	6EG 001 567-041	02.00127	8JS 003 481-803	18.52500	8KW 700 143-003	5940-12-121-0234	8KX 707 913-011
221 208	6HF 001 579-061	02.00134	8JS 704 073-003	18.55000	8KW 044 022-003	5940-12-121-0235	8KX 707 913-001
221 278	6EH 003 268-001	02.00145	8JS 025 889-003	18.56000	8KW 044 288-003	5940-12-180-8379	8KV 002 141-001
300 010	6ZF 003 549-001	02.00146	8JS 089 015-003	18.57050	8KW 044 039-003	5940-12-181-2124	8KV 002 137-001
411 071	8KV 003 284-001	02.00147	8JS 091 603-003	18.61000	8KW 044 023-003	5940-12-181-2125	8KV 002 140-001
420 131	8JD 002 289-001	02.00296	8JS 713 575-011	18.62500	8KW 044 032-003	5940-12-302-7844	8KV 002 139-001
420 134	8JD 002 294-001	02.00297	8JS 713 575-021	18.63000	8KW 700 142-003	5945-12-178-0439	4DW 002 834-121
420 137	8JD 002 291-001	02.00298	8JS 713 575-001	18.63100	8KW 044 038-003	5945-12-196-3787	4AZ 001 879-051
420 193	8JD 002 290-001	02.00299	8JS 713 575-041	18.64000	8KW 044 040-003	5945-12-196-7282	4DM 003 944-091
421 008	8KV 003 285-002	02.00301	8JS 713 575-031	18.64500	8KW 044 025-003	5945-12-199-5965	4RA 965 400-031
421 084	8KV 002 136-001	04.30400	8JS 713 549-003	Nagares S/A	HELLA	5945-12-301-1144	4RD 933 332-071
421 085	8KV 002 127-003	04.30800	8JS 713 550-003	PPC/5-12	4RV 008 188-301	5945-12-301-1144	4RD 933 332-077
421 086	8KV 002 127-021	04.33400	8JS 713 564-002	PPC/7-12	4RV 008 188-321	5945-12-302-2143	4DM 004 639-061
421 087	8KV 002 127-011	04.33500	8JS 713 805-003	RLPA/4-12	4RA 965 400-001	5945-12-302-2143	4DM 004 639-067
440 033	8KV 002 137-001	04.33600	8JS 713 806-003	RLPS/4-24R	4RA 007 957-001	5940-12-304-9223	4DW 003 944-071
440 034	8KV 002 139-001	04.33700	8JS 713 807-003	RLPS/4-24R	4RA 007 957-007	6140-12-172-6387	8KX 091 395-001
440 035	8KV 002 140-001	04.33800	8JS 713 808-003	TPD/12-12	4RV 008 188-081	6150-12-300-4976	8KX 707 916-001
440 037	8KV 002 141-001	04.33850	8JS 713 567-003	TPD/5-12	4RV 008 188-091	6210-12-172-7941	2AA 001 204-001
451 174	2AA 003 257-001	04.70020	8JS 740 026-001	TPD/6-12	4RV 008 188-101	6210-12-172-7944	2AA 001 204-011
451 175	2AA 003 257-011	04.70030	8JS 740 026-011	TPF/6-12	4RV 008 188-161	6210-12-174-4347	2AA 001 204-031
451 176	2AA 003 257-021	04.70040	8JS 740 026-021	TPPF/6-12	4RV 008 188-221	6210-12-178-3616	9SK 702 331-071
451 177	2AA 003 257-031	04.70050	8JS 740 026-031	TPPSS/7-12	4RV 008 188-171	6210-12-307-9614	2AA 001 200-141
451 315	2AA 003 257-041	04.70060	8JS 740 026-041	TPPSS/7-12	4RV 008 188-191	6210-99-816-7109	2AA 001 200-031
490 053	8KX 091 450-032	04.71030	8JS 740 026-201	NATO	HELLA	6210-99-816-8740	2AA 001 200-021
490 054	8KX 091 451-032	04.71040	8JS 740 026-241	2540-12-191-8741	8BW 003 443-011	6210-99-816-8740	2AA 001 200-023
490 055	8KX 091 452-032	04.71041	8JS 740 026-241	2540-12-193-3938	8SB 003 290-001	6210-99-803-2658	2AA 001 200-001
490 056	8KX 043 021-032	04.71051	8JS 740 026-251	2540-12-303-5055	8SB 002 990-001	6220-99-803-2658	2AA 001 200-012
490 059	8KX 091 453-001	04.71060	8JS 740 026-211	2590-12-184-6262	3BA 002 768-427	6350-12-159-4983	3AL 002 952-861
490 060	8KX 707 911-011	04.71080	8JS 740 026-221	2590-12-195-8585	3AF 003 399-071		3AL 002 952-867
490 061	8KX 707 911-001	04.71100	8JS 740 026-231	2590-12-195-8586	3AF 003 399-061		
490 062	8KX 707 912-001	04.72030	8JS 740 026-311	2590-12-196-0842	3AG 003 399-081		
490 063	8KX 707 912-011	04.72031	8JS 740 026-311	2590-12-199-2457	3BA 002 768-382		
490 072	8KX 707 913-011	04.72040	8JS 740 026-321	2590-99-802-1954	3AL 002 952-811		
490 073	8KX 707 913-001	04.72041	8JS 740 026-321	2590-99-802-1954	3AL 002 952-817		
Mitsubishi	HELLA	04.72050	8JS 740 026-331	4730-12-190-9576	8WV 115 095-001	Neoplan	HELLA
139932	8SB 501 246-812	04.72051	8JS 740 026-331	5330-12-170-9497	9GD 853 490-001	1102 572 7	8JA 003 526-001
139968	8SB 501 246-822	04.72060	8JS 740 026-341	5340-12-132-0961	8HS 071 415-001	1102 572 7	8JA 003 526-002
146877	8SB 501 247-812	04.72061	8JS 740 026-341	5340-12-132-0962	8HS 071 414-001	1102 583 1	6HF 001 579-061
146878	8SB 501 246-803	04.72080	8JS 740 026-301	5355-12-179-4110	9SG 703 965-007	1102 588 1	6EH 004 570-011
146881	9BP 501 237-002	04.72100	8JS 740 026-361	5920-12-120-9983	8KV 002 136-011	1102 588 2	9FF 713 627-011
146884	6GM 500 212-002	04.72101	8JS 740 026-361	5920-12-123-8984	8JD 002 289-001	1102 593 8	6ED 001 563-001
179437	8SB 501 246-892	04.73030	8JS 740 026-101	5920-12-127-8579	8JD 002 294-001	1102 593 8	6ED 001 563-004
DO-003-009	6BA 001 539-001	04.73040	8JS 740 026-111	5920-12-127-8579	8JD 002 294-002	1102 593 8	8KX 707 912-011
DO-003-009	6BA 001 539-007	06.00090	8JS 728 596-081	5920-12-133-8992	8JD 002 290-001	1102 593 8	8KX 707 912-011
MC 916 062	8HG 003 323-032	06.00100	8JS 728 596-101	5920-12-148-4422	8JD 002 294-011	1102 593 8	4DW 003 944-071
MC-937652	8SB 560 991-012	06.00101	8JS 728 596-121	5920-12-164-1832	8KV 002 127-011	1102 593 8	3PA 004 206-011
MC-937653	8SB 501 147-003	06.00110	8JS 728 596-131	5920-12-166-8747	8JD 002 291-011	1102 593 8	3PB 005 411-001
MC-962657	8SB 501 137-001	06.00120	8JS 728 596-111	5930-12-121-7993	6EK 001 559-001	1102 593 8	8EZ 008 021-011
Z0419300	3PB 003 001-651	06.00130	8JS 728 596-141	5930-12-121-7994	6EK 001 559-007	1102 593 8	8EV 003 361-001
Z0539819	8JB 005 949-011	06.00140	8JS 728 596-151	5930-12-121-7994	9SL 042 991-001	1102 593 8	4RD 933 332-071
Z0539819	8JB 005 949-012	06.00150	8JS 728 596-161	5930-12-128-4819	6DD 001 551-001	1102 593 8	4RD 933 332-077
Z1263011	8HG 003 323-032	06.00160	8JS 728 596-091	5930-12-136-2633	6DD 001 551-011	1102 593 8	9SK 702 331-071
Z1263031	8SB 560 991-012	06.00170	8JS 728 596-171	5930-12-136-2633	6DD 001 551-017	1102 593 8	6ED 001 563-021
Z1263034	8SB 560 991-041	06.00375	8JS 711 683-031	5930-12-142-9247	6EJ 001 569-001	1102 593 8	8JA 703 947-011
Z1263137	8SB 501 137-031	06.00408	8JS 711 683-903	5930-12-148-7678	6JF 001 572-001	1102 593 8	8JA 713 631-001
Z1263147	8SB 501 147-003	06.00488	8JS 711 683-011	5930-12-150-7491	6JF 001 571-001	1102 593 8	8JA 713 631-007
Z1263299	8SB 002 952-011	06.00489	8JS 711 683-021	5930-12-156-2173	6ED 001 563-021	1102 593 8	8JB 004 123-001
Z1263978	8SB 003 978-001	06.00490	8JS 711 683-002	5930-12-164-3327	6JF 001 571-041	1102 593 8	8JB 004 123-002
Z1263979	8HS 562 691-002	06.00491	8JS 711 683-052	5930-12-164-3327	6JF 001 571-047	1102 593 8	8KW 708 374-003
Z1266031	9EY 561 042-002	06.00492	8JS 711 684-002	5930-12-166-0796	6LB 005 389-001	1102 593 8	8KW 708 374-004
Z1363032	8SB 003 614-091	06.00493	8JS 711 685-002	5930-12-172-4552	6BB 001 540-001	1102 593 8	8KW 048 056-033
Z1363033	8SB 003 614-081	06.00494	8JS 711 686-002	5930-12-172-8396	6BA 001 539-001	1102 593 8	8JS 025 889-003
Z1519800	4RA 003 530-001	06.00495	8JS 711 687-002	5930-12-172-8396	6BA 001 539-007	1102 593 8	8JS 089 015-003
Z1519800	4RA 003 530-007	06.00496	8JS 711 688-002	5930-12-174-9621	6HF 002 372-041	1102 593 8	8KW 044 022-003
Z2219660	6ED 004 778-031	06.00497	8JS 711 689-002	5930-12-176-6950	6ZE 001 759-061	1102 593 8	8KW 044 022-004
Mitsubishi	HELLA	06.00498	8JS 711 690-002	5930-12-178-7321	6ED 001 563-001	1102 593 8	8KX 707 913-011
Trucks		06.00910	8JS 728 595-131	5930-12-178-7321	6ED 001 563-003	1102 593 8	8KX 707 913-001
139932	8SB 501 246-812	06.00920	8JS 728 595-151	5930-12-178-7321	6ED 001 563-004	1102 593 8	8KV 002 141-001
139968	8SB 501 246-822	06.00930	8JS 728 595-161	5930-12-178-7326	6EG 001 567-011	1102 593 8	9HB 713 629-001
146877	8SB 501 247-812	06.00940	8JS 728 595-171	5930-12-179-6126	6EH 003 268-001	1102 593 8	8KW 701 235-033
146878	8SB 501 246-803	06.00950	8JS 728 595-181	5930-12-181-2642	6HF 001 579-061	1102 593 8	8KW 701 235-034
146884	6GM 500 212-002	06.00960	8JS 728 595-191	5930-12-181-2666	6HF 001 579-011	1102 593 8	3SB 003 985-061
179437	8SB 501 246-892	06.01100	8JS 742 902-001	5930-12-193-9860	6FG 002 315-001	1102 593 8	8HG 714 504-001
Moto Meter	HELLA	06.01125	8JS 742 902-011	5930-12-198-2036	9GH 045 833-001	1103 513 4	8SB 501 511-802
021.654.7	3AL 002 952-811	06.01150	8JS 742 902-021	5930-12-199-5291	6EK 002 843-001	1103 513 4	8SB 501 147-021
021.746.4	8JS 089 015-003	06.01175	8JS 742 902-031	5930-12-199-5291	6EK 002 843-		

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Cross-reference



Neoplan	HELLA	Neoplan	HELLA	O & K	HELLA	O & K	HELLA
1103.513.3	8HG 713 626-001	88.26402-0001	9GD 853 490-001	0991465	6EK 001 559-001	8110522	8JD 005 993-001
1105 757 6	5DS 008 125-001	8800 123 3	4RD 933 332-077	0991465	6EK 001 559-007	8110522	8JD 005 993-002
1106 519 2	9XT 713 630-031	8800 123 3	4RD 933 332-077	1101049	8JB 001 940-001	8110586	8SB 002 995-011
1106.173.5	8JB 004 777-001	N1.01102-9203	3PA 004 206-011	1101149	8HS 071 415-001	8403382	8HS 071 414-001
1106.173.5	8JB 004 777-002	N1.01103-5133	8HG 713 626-001	1101231	8KV 002 127-021	8406675	6ED 004 778-021
1106.685.6	8TW 005 496-051	N1.01106-6856	8TW 005 496-051	1101624	6EJ 001 569-001	8410952	8JB 003 833-001
1106.902.7	6ZF 007 239-001			1185525	6HD 002 535-101	8412628	8JA 003 831-001
1108 060 8	8WT 008 549-601			1190339	8JA 003 526-001	8412839	6ED 004 778-031
1108 061 0	8WT 008 549-701			1190339	8JA 003 526-002	8412870	6EJ 001 569-001
1108 838 7	8WV 115 095-001			1422263	8TW 004 223-031	8413407	6HF 001 579-011
1109 763 1	9GD 853 490-001			1424325	6ED 001 563-001	8413412	6JF 001 571-041
1112 388 4	3AF 003 399-061			1424325	6ED 001 563-003	8413412	6JF 001 571-047
1301.179.6	5DS 008 125-001			1424325	6ED 001 563-004	84302762	4RD 933 332-051
1400 190 2	9BG 562 813-002			1424326	8JA 002 263-001	84302762	4RD 933 332-057
1400 764 9	9XD 563 637-012			1424669	3PA 004 206-011	84302762	4RD 933 332-091
1402 214 7	8TW 007 540-231			142669	3PA 004 206-011	84302762	4RD 933 332-097
1503.027.00	4DM 003 360-021			1437753	8JS 713 808-003	8464170	8JB 001 940-001
1503.027.00	4DM 003 360-027			1440837	8JS 711 688-002	8464303	9XT 713 630-761
1505.00	4DM 003 474-001			1440838	8JS 711 689-002	8464612	6ZE 001 759-061
1505.00	4DM 003 474-007			1440839	8JS 711 690-002	8467522	8WB 851 385-025
1505.008.00	8EV 003 361-011			1440839	8JS 711 690-007	8469708	8SB 002 406-001
1505.008.50	8EV 003 361-001			1452807	4RA 965 400-001	8475404	3BA 002 768-082
1505.513.00	4RD 933 332-071			1468909	4DM 003 360-021	936226	8KX 707 918-031
1505.513.00	4RD 933 332-077			1468909	4DM 003 360-027	970116	8KX 707 913-011
1505.521.00	4RA 933 791-081			1478422	4DW 003 944-071		
1505.548.00	8JA 003 526-001			14812	2AA 001 200-021		
1505.548.00	8JA 003 526-002			14812	2AA 001 200-023		
1506.003.01	8JA 001 929-001			14875	6ED 001 563-021		
1506.02	6HF 001 579-061			1492504	6HD 002 535-111		
1506.112.00	6ZF 003 549-001			1547977	8EZ 008 022-001		
1506.142.00	6ED 001 563-001			1570076	6ED 001 563-001		
1506.142.00	6ED 001 563-003			159536	8JA 002 263-001		
1506.142.00	6ED 001 563-004			1707004	8KV 002 139-001		
1506.143.00	6ED 001 563-021			1709055	3PA 004 206-011		
1506.146.00	6EJ 001 569-001			1709056	3AL 002 952-871		
1506.567.00	9FF 713 627-011			1709056	3AL 002 952-877		
1508.001.00	8JA 703 947-011			1709243	4RA 003 437-091		
1508.009.10	8JB 001 939-001			1709243	4RA 003 437-097		
1508.009.20	8JB 001 935-031			1719025	2AA 001 200-012		
1508.015.00	8JS 713 804-003			1719025	2AA 001 200-012		
1508.023.01	8JA 003 526-001			1719026	2AA 001 200-021		
1508.023.01	8JA 003 526-002			1719026	2AA 001 200-023		
1508.300.00	8KV 002 140-001			1719027	2AA 001 200-031		
1508.301.00	8KW 708 374-003			1719028	2AA 001 200-001		
1508.301.00	8KW 708 374-004			1721036	6FG 002 312-001		
1508.357.00	8JA 005 952-001			1721036	6FG 002 312-002		
1508.377.00	8JA 004 667-001			1725520	4DM 004 639-061		
1510.900.00	8JS 025 889-003			1725520	4DM 004 639-067		
1510.901.00	8JS 089 015-003			1726017	6EJ 001 569-001		
1510.902.00	8JS 091 603-003			1727087	5WA 001 871-051		
1510.903.00	8KV 002 127-003			1731213	6EH 004 406-032		
1510.903.00	8KV 002 127-007			1764035	6JF 001 571-041		
1510.940.00	8JS 711 687-002			1764035	6JF 001 571-047		
1510.940.00	8JS 711 687-007			1793136	8JA 001 926-001		
1510.940.01	8JS 711 685-002			1793140	8JA 703 947-011		
1510.959.00	8JD 002 289-001			1798234	8EV 003 361-011		
1511.003.50	8KW 044 023-003			1798458	8WB 851 385-025		
1511.003.50	8KW 044 023-004			1838188	8HK 710 701-111		
1511.004.50	8KW 044 022-003			1909750	8JS 711 685-002		
1511.004.50	8KW 044 022-004			1939266	8JA 007 589-001		
1511.004.60	8KV 003 284-001			1939266	8JA 007 589-002		
1511.008.00	8KV 002 132-001			1939518	6BG 001 545-001		
1511.009.00	8KV 002 137-001			1960790	8JS 711 686-002		
1511.010.00	8KV 002 141-001			1960790	8JS 711 686-007		
1511.025.00	8KX 707 912-001			1960791	8JS 711 687-002		
1511.029.00	8KX 707 912-011			1960791	8JS 711 687-007		
1511.946.00	8KW 701 235-033			1991220	8JS 711 687-002		
1511.946.00	8KW 701 235-034			1991220	8JS 711 687-007		
1512.005.00	3SB 003 985-061			215139	3AG 003 399-101		
1512.005.00	3SB 003 985-067			2168586	6EK 002 843-001		
1512.100.00	3AG 003 399-101			2168586	6EK 002 843-003		
1512.109.00	3PA 004 206-011			2168586	6EK 002 843-007		
1801.301.00	8HK 710 702-131			2168728	8JB 004 777-001		
1905 532 01	9MX 560 096-002			2168728	8JB 004 777-002		
1905.504.50	8SB 501 511-802			2168755	9BP 561 006-012		
1905.545.20	9BP 561 006-012			2186590	8JS 711 684-002		
1905.567.00	8SB 501 247-842			2186591	8JS 711 683-002		
1905.572.01	9MX 562 159-013			2247606	4DM 004 639-061		
1905.581.00	8SB 501 247-803			2247606	4DM 004 639-067		
1905.581.00	9SV 562 840-003			2246920	9XT 713 630-181		
1905.581.10	9MX 562 841-002			2426921	9XT 714 300-041		
1905.581.20	9MX 562 846-002			2426923	2AA 713 628-011		
1905.581.30	8HG 562 851-002			2465159	8SB 560 991-041		
1905.581.50	9HB 562 837-022			2482231	9GH 993 984-001		
1905.582.00	9BP 501 238-002			2482231	9GH 993 984-007		
1905.583.20	9EY 561 814-001			2482279	3SL 996 139-001		
1905.584.00	9BP 501 238-012			2929215	3AF 003 399-071		
1905.585.00	6GM 500 212-002			2930338	3AL 002 952-827		
1905.586.00	9HB 562 824-022			2973837	6BG 001 545-001		
1905.591.00	8SB 501 246-812			2973838	6BB 001 540-001		
1905.592.00	8SB 501 246-822			2973842	8JA 002 262-001		
1905.593.00	8SB 501 246-803			2973842	8JA 002 262-003		
1905.593.01	9XD 562 800-052			2974078	8HG 002 211-001		
1905.593.02	9HD 562 802-012			2974166	3AL 002 952-871		
1905.594.00	8SB 501 246-834			2974166	3AL 002 952-877		
1905.595.02	9HB 563 317-052			34777	8KV 002 139-001		
1905.595.50	8SB 501 311-842			3703695	8JB 001 946-082		
1905.596.00	8SB 501 247-812			3743785	8JD 743 135-011		
1905.605.00	8SB 501 246-892			3743786	8JS 742 902-031		
2001.610.00	6FH 004 406-052			4158712	8EZ 008 022-001		
2550.016.1000	6FH 004 406-052			4158712	8EZ 008 022-011		
36.25902-0007	4RD 007 903-001			4159073	6DF 001 551-091		
36.25902-0007	4RD 007 903-007			4200424	8SB 002 407-011		
36.26485-6000	8TW 007 540-231			505293	8JD 002 289-001		
36.28901-0000	8EZ 008 021-011			5143840	8JA 711 375-001		
81.25301-6045	3AF 003 399-061			788708	8KX 707 917-031		
81.77630-0093	8TW 004 764-041			8065287	8SB 002 406-001		
85.20001-2041	4DW 003 944-071			8065304	8HG 002 211-001		



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Opel	HELLA	Pudenz	HELLA	Pudenz	HELLA	Romax	HELLA
90398690	8JA 003 526-002	142.6666.540	8JS 740 026-421	169.5701	8JS 728 595-181	102107	8KL 712 943-001
90457812	6NM 007 282-641	142.6666.550	8JS 740 026-431	169.5801	8JS 728 595-191	102108	8KL 712 946-001
90492832	6NM 007 282-641	142.6666.560	8JS 740 026-441	169.6885.520	8JS 728 595-131	102200	8KL 712 946-002
90506697	4DM 003 360-021	151.4506.00	8JS 704 073-003	169.6885.5201	8JS 728 595-131	102201	8KL 712 945-002
90506697	4DM 003 360-027	151.4806.00	8JS 025 889-003	169.6885.530	8JS 728 595-141	102202	8KL 712 948-002
90508709	8TW 006 849-051	151.5100.4503	8JS 704 073-003	169.6885.5301	8JS 728 595-141	102203	8KL 712 949-002
90513566	4DM 003 360-021	151.5100.4803	8JS 025 889-003	169.6885.540	8JS 728 595-151	102204	8KL 712 947-002
90513566	4DM 003 360-027	151.5100.5163	8JS 089 015-003	169.6885.5401	8JS 728 595-151	102205	8KL 712 950-002
90513686	6ZE 001 759-061	151.5100.5253	8JS 091 603-003	169.6885.550	8JS 728 595-161	102207	8KL 712 943-002
90585761	8TW 004 223-061	151.5152.480	8JS 025 889-003	169.6885.5501	8JS 728 595-161	102208	8KL 712 946-002
90590665	6NM 007 878-351	151.5152.516	8JS 089 015-003	169.6885.560	8JS 728 595-171	103100	8KL 712 953-001
94 42 495	4DM 003 360-021	151.5155.450	8JS 704 073-003	169.6885.5601	8JS 728 595-171	103102	8KL 712 957-001
94 42 495	4DM 003 360-027	151.5166.00	8JS 089 015-003	169.6885.570	8JS 728 595-181	103103	8KL 712 958-001
99105140	8KV 002 127-003	151.5182.525	8JS 091 603-003	169.6885.5701	8JS 728 595-181	103105	8KL 712 959-001
99105140	8KV 002 127-007	151.5406.00	8JS 713 144-003	169.6885.580	8JS 728 595-191	103107	8KL 712 952-001
E-X0531306AA	6ED 004 778-001	153.5395.610	8JS 742 902-001	169.6885.5801	8JS 728 595-191	103201	8KL 712 954-002
PR0531046	6JF 001 571-101	153.5395.612	8JS 742 902-011	178.6105.0004	8JD 005 235-801	103202	8KL 712 957-002
PR0531975	8PE 002 006-001	153.5395.615	8JS 742 902-021	178.6105.0024	8JD 005 235-801	103204	8KL 712 956-002
PRF312651	8PE 002 006-001	153.5395.617	8JS 742 902-031	185.6185.9364	8JS 711 683-903	103205	8KL 712 959-002
PRK000607	2AA 003 257-041	153.5395.620	8JS 742 902-041	255.1000.0001	8KX 747 875-001	103207	8KL 712 952-002
PRK000607	2AA 003 257-042	153.5395.622	8JS 742 902-061	255.2000.0001	8KX 747 875-011	104102	8KL 712 962-001
PRK010152 007	8KV 705 123-002	153.5395.625	8JS 742 902-051	277.6106.0002	8KV 714 340-007	104107	8KL 712 960-001
PRK010152 007	8KV 705 123-004	153.5395.630	8JS 742 902-071			104202	8KL 712 962-002
V04027900	2AA 001 200-031	153.5631.530	8JS 742 901-061			104207	8KL 712 960-002
V04029400	2AA 001 200-011	153.5631.540	8JS 742 901-001			105102	8KL 712 965-001
V04029400	2AA 001 200-012	153.5631.550	8JS 742 901-011			105107	8KL 712 964-001
V04108600	8SB 002 405-001	153.5631.560	8JS 742 901-021			106102	8KL 712 968-001
V05032000	3BA 002 768-382	153.5631.570	8JS 742 901-031			106107	8KL 712 967-001
V06009400	3BA 002 768-001	153.5631.580	8JS 742 901-041			107107	8KL 712 969-001
V23605020	6JF 001 571-001	153.5631.610	8JS 742 901-051			108107	8KL 712 970-001
V23610010	3BA 002 768-001	153.5631.612	8JS 742 901-071			109107	8KL 712 971-001
V28620480	3SB 002 768-031	153.5631.615	8JS 742 901-081			110107	8KL 712 972-001
V43038900	3BA 002 768-001	156.5610.5301	8JS 713 575-011			200107	8KL 712 975-001
V45025200	6JF 001 571-041	156.5610.5501	8JS 713 575-021			200207	8KL 712 975-002
V45025200	6JF 001 571-047	156.5610.5601	8JS 713 575-031			201107	8KL 712 977-001
V45029200	3BA 002 768-382	156.5610.5800	8JS 713 575-001			202107	8KL 712 976-001
V99120130	2AA 001 200-001	156.5610.5801	8JS 713 575-001			203107	8KL 712 978-001
V99120380	2AA 001 200-011	156.5610.6101	8JS 713 575-041			300107	8KL 712 984-001
V99120380	2AA 001 200-012	156.5610.6121	8JS 713 575-051			400107	8KL 712 991-001
		156.5610.6151	8JS 713 575-061			401107	8KL 712 992-001
		161.4507.00	8JS 711 684-002			403107	8KL 712 993-001
		161.4757.00	8JS 711 685-002			404107	8KL 712 995-001
		161.5107.00	8JS 711 686-002			405107	8KL 715 434-001
		161.5157.00	8JS 711 687-002			406107	8KL 712 997-001
		161.5207.00	8JS 711 688-002			407107	8KL 713 735-001
		161.5257.00	8JS 711 689-002			500227	8KL 712 980-002
		161.5307.00	8JS 711 690-002			600307	8KL 713 737-001
		161.5407.00	8JS 711 683-031			601117	8KL 713 740-001
		161.6185.4307	8JS 711 683-002			603107	8KL 713 742-001
		161.6185.4507	8JS 711 684-002			604107	8KL 713 744-001
		161.6185.4757	8JS 711 685-002			605107	8KL 715 436-001
		161.6185.5107	8JS 711 686-002			606107	8KL 715 437-001
		161.6185.5157	8JS 711 687-002			700107	8KL 713 753-001
		161.6185.5207	8JS 711 688-002			701107	8KL 713 750-001
		161.6185.5257	8JS 711 689-002			708107	8KL 713 751-001
		161.6185.5307	8JS 711 690-002			709107	8KL 713 752-001
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		162.6185.5407	8JS 711 683-031			802107	8KL 712 988-001
		162.6385.410	8JS 711 683-011			803107	8KL 712 989-001
		162.6385.420	8JS 711 683-021			804107	8KL 712 990-001
		162.6385.430	8JS 711 683-002				
		162.6385.440	8JS 711 683-052				
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		162.6385.475	8JS 711 685-002				
		162.6385.515	8JS 711 686-002				
		162.6385.525	8JS 711 689-002				
		162.6385.530	8JS 711 690-002				
		162.6385.535	8JS 711 683-042				
		162.6385.540	8JS 711 683-031				
		164.6185.5107	8JS 711 686-002				
		164.6185.5157	8JS 711 687-002				
		164.6185.5207	8JS 711 688-002				
		164.6185.5257	8JS 711 689-002				
		164.6185.5307	8JS 711 690-002				
		168.6785.420	8JS 728 596-081				
		168.6785.4207	8JS 728 596-081				
		168.6785.430	8JS 728 596-101				
		168.6785.4307	8JS 728 596-101				
		168.6785.440	8JS 728 596-121				
		168.6785.4406	8JS 728 596-121				
		168.6785.4447	8JS 728 596-801				
		168.6785.450	8JS 728 596-121				
		168.6785.4506	8JS 728 596-811				
		168.6785.4507	8JS 728 596-131				
		168.6785.475	8JS 728 596-111				
		168.6785.4757	8JS 728 596-111				
		168.6785.510	8JS 728 596-141				
		168.6785.5106	8JS 728 596-821				
		168.6785.5107	8JS 728 596-141				
		168.6785.515	8JS 728 596-151				
		168.6785.5156	8JS 728 596-831				
		168.6785.5157	8JS 728 596-151				
		168.6785.5206	8JS 728 596-161				
		168.6785.5207	8JS 728 596-841				
		168.6785.525	8JS 728 596-161				
		168.6785.5257	8JS 728 596-091				
		168.6785.5257	8JS 728 596-091				
		168.6785.530	8JS 728 596-171				
		168.6785.5306	8JS 728 596-851				
		168.6785.5307	8JS 728 596-171				
		169.5201	8JS 728 595-131				
		169.5301	8JS 728 595-141				
		169.5401	8JS 728 595-151				
		169.5501	8JS 728 595-161				
		169.5601	8JS 728 595-171				

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Same	HELLA	Scania	HELLA	Scania	HELLA	Schmitz Cargobull	HELLA
011 78568	8BW 857 850-005	1 303 472	6ZF 182 914-031	20 223 940	8KW 732 580-003	061146	8KW 044 030-003
01178519	4RD 007 794-041	1 346 378	9MX 564 243-001	20 223 947	8KW 732 581-003	061146	8KW 044 030-004
01178519	4RD 007 794-047	1 346 379	9MX 564 243-001	20 223 947	8KL 712 964-001	061146 M6	8KW 044 030-003
012 31489/10	8HG 851 387-007	1 434 030	9MX 562 841-002	20 223 948	8KW 044 036-003	061146 M6	8KW 044 030-004
012 31579	8BW 003 443-008	1 442 705	9MX 564 243-001	20 223 948	8KW 044 036-004	061147	8KW 044 030-003
012 31937	8HG 005 953-001	1 443 864	9MX 564 243-001	20 223 949	8KW 044 022-003	061147	8KW 044 030-004
012 31938	8JB 005 949-001	1 468 418	8SB 501 247-803	20 223 949	8KW 044 022-004	061147	8KW 044 030-004
012 31939	8JA 005 951-003	1 505 202	9HB 863 833-001	20 223 957	8JA 005 952-011	061147	8KW 044 031-003
012 31939	8JA 005 951-003	1 795 329	8JB 003 833-011	20 223 957	8JA 005 952-013	061147	8KW 044 032-003
012 62462	2AA 001 204-031	1 923 989	5WG 002 450-301	20 223 965	8KW 044 288-003	061147	8KW 044 032-004
012 62567	2AA 001 204-001	1 923 989	5WG 002 450-307	20 223 983	8KL 713 752-001	061155	8KW 044 280-003
012 63308	8WB 851 385-025	111 2435	4DM 003 474-001	20 223 984	8JA 001 931-051	061155	8KW 044 280-004
013 21472	8BW 003 443-047	111 2435	4DM 003 474-007	20 223 994	8TW 007 540-231	061156	8KW 044 033-002
014 06156	3AL 002 952-837	134 2334	8JA 002 832-001	20 227 597	8KL 712 944-001	061156	8KW 044 033-004
023 34655	6ED 001 563-021	1346377	9MX 564 242-001	20 227 597	8KL 712 944-002	061157	8KW 044 034-003
023 76392KZ 1210-67	8SB 002 991-001	1442706	9MX 564 242-001	20223612	8KL 735 190-001	061161	8KW 044 032-003
043 08177	6TA 003 394-001	179 529	8JB 003 833-001	225 730	8JB 001 935-031	061161	8KW 044 032-004
043 76948	8BW 003 966-047	179 530	8JA 003 831-001	225 731	8JA 001 931-041	061165	8KW 048 056-033
043 76950	8TW 004 223-031	199 408	8JB 001 941-001	231 631	8JB 001 935-031	061166	8KW 044 288-003
043 76951	9XD 856 165-005	199 408	8JB 001 941-002	233 200	4AZ 001 879-051	061170	8KV 705 123-002
04325557 KZ 1024-67	8SB 002 997-103	2 022 382 2	8JA 003 832-011	243 460	4RD 933 332-071	061170	8KV 705 123-004
04358888	8SB 002 991-081	2 022 384 5	8KL 712 977-001	243 460	4RD 933 332-077	061171	8KV 002 133-001
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04372506KY1250-67	8SB 002 991-081	2 022 391 6	8KL 712 952-001	3 757 34	6ZF 182 914-031	061400	8JS 711 683-002
04398697	9EY 117 126-014	2 022 391 6	8KL 712 952-002	320 738	3SB 003 985-061	061405	8JS 711 689-002
04412581	8SB 501 263-003	20 044 865	8JB 003 834-001	320 738	3SB 003 985-067	061406	8JS 711 690-002
062 03106	8KL 712 992-001	20 223 876	8KW 048 056-033	363 712	5WG 002 450-301	061407	8JS 711 690-007
062 13955	8JD 002 291-001	20 223 029	4DM 003 474-001	363 712	5WG 002 450-307	061407	8JS 711 690-007
062 13957	8JD 002 290-001	20 223 029	4DM 003 474-007	383 055	8JA 003 526-001	061638	8JS 711 690-007
062 13984	8KV 002 127-003	20 223 040	8JS 747 876-041	383 055	8JA 003 526-002	061638	8JS 711 690-007
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062 13985	8KV 002 127-021	20 223 051	8KA 004 797-051	403 588	8WV 115 095-001	061734	8JS 711 690-007
062 14013	8JB 002 286-031	20 223 196	4DJ 003 767-001	410 861	8TW 004 764-041	062169	8JS 711 690-007
062 14045	3AL 002 952-887	20 223 578	8JA 001 918-002	410 862	9GD 853 490-001	062272	8JS 711 690-007
062 14052	6JF 001 572-001	20 223 578	8JA 001 918-021	414 137	8JA 001 931-041	062465	8JS 711 690-007
062 17088	8KW 045 145-003	20 223 580	8KW 044 031-003	424 740	5WA 001 871-051	062578	8JS 711 690-007
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062 62072	6EK 002 843-007	20 223 607	8KL 712 960-001	619 690	6BA 001 539-007	063142	8JS 711 690-007
062 85947	8JB 001 943-041	20 223 607	8KL 712 960-002	670 293	8JB 001 935-031	063488	8JS 711 690-007
062 85948	8JA 001 930-031	20 223 608	8KL 712 962-001	677 795	8JA 001 926-001	063488	8JS 711 690-007
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117 5804	8TW 004 223-031	20 223 795	8KL 712 970-001			066102	8JS 711 690-007
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117 5862ES8239-70	8JA 003 526-002	20 223 796	8KL 712 975-002			066104	8JS 711 690-007
117 8568EZ8973-45	8BW 857 850-005	20 223 806	8JD 008 151-001			066110	8JS 711 690-007
123 1489	8HG 851 387-007	20 223 806	8JD 008 151-007			066110	8JS 711 690-007
123 1489EZ8943-45	8HG 851 387-007	20 223 807	8JD 008 151-011			066114	8JS 711 690-007
123 1579KZ8973-45	8BW 003 443-008	20 223 808	8JD 008 152-001			066115	8JS 711 690-007
126 3308 EZ8973-45	8WB 851 385-025	20 223 809	8KL 712 957-001			066118	8JS 711 690-007
132 1472KZ	8BW 003 443-047	20 223 809	8KL 712 957-002			066121	8JS 711 690-007
132 1472KZ8973-45	8BW 003 443-047	20 223 816	8JA 003 831-001			066503	8JS 711 690-007
160 19075	6ED 004 778-011	20 223 817	8JA 003 833-001			066504	8JS 711 690-007
160 26255	8JA 005 951-027	20 223 818	8JB 003 834-001			066534	8JS 711 690-007
160 56743	6GM 500 212-002	20 223 819	8KL 712 980-001			066534	8JS 711 690-007
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233 4655E1053-49	6ED 001 563-021	20 223 820	8KL 712 946-001			066583	8JS 711 690-007
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430 8177EC1024-49	6TA 003 394-001	20 223 821	8KL 715 434-001			080140	8JS 711 690-007
431 9505	6TA 003 394-011	20 223 823	8KL 708 152-011			080140	8JS 711 690-007
431 9505	6TA 003 394-017	20 223 843	8KL 712 943-001			080140	8JS 711 690-007
431 9505EC1030-49	6TA 003 394-011	20 223 843	8KL 712 943-002			1005773	8JS 711 690-007
431 9505EC1030-49	6TA 003 394-017	20 223 844	8KL 712 993-001			1005774	8JS 711 690-007
435 6066	6TA 003 394-047	20 223 846	8KL 712 978-001			1014	8JS 711 690-007
435 6066EC1065-49	6TA 003 394-047	20 223 847	8KW 043 630-013			1014	8JS 711 690-007
437 6948KY1252-49	8BW 003 966-047	20 223 847	8KW 043 630-014			1016	8JS 711 690-007
626 1016	6EK 002 843-001	20 223 848	8KW 701 235-033			1023102	8JS 711 690-007
626 1016	6EK 002 843-003	20 223 848	8KW 701 235-034			1023537	8JS 711 690-007
626 1016	6EK 002 843-007	20 223 855	8KL 712 992-001			1026114	8JS 711 690-007
626 3052	8JA 003 526-001	20 223 866	8JA 002 262-001			1032	8JS 711 690-007
626 3052	8JA 003 526-002	20 223 866	8JA 002 262-003			1032	8JS 711 690-007
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		20 223 869	8JD 008 151-041			1034	8JS 711 690-007
		20 223 870	8JD 008 152-031			1035	8JS 711 690-007
		20 223 871	8JD 008 152-041			1035	8JS 711 690-007
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		20 223 872	8KL 712 948-002			1036	8JS 711 690-007
		20 223 874	8KL 742 810-001			1037	8JS 711 690-007
		20 223 875	8JA 001 931-041			1039	8JS 711 690-007
		20 223 877	8JB 001 935-031			1039	8JS 711 690-007
		20 223 888	8KL 712 995-001			1039	8JS 711 690-007
		20 223 890	9MJ 007 825-051			1048	8JS 711 690-007
		20 223 892	9MJ 007 825-001			1049	8JS 711 690-007
		20 223 895	8KV 003 124-811			1052	8JS 711 690-007
		20 2					



Manufacturer's no. / HELLA no.

Cross-reference

Schmitz Cargobull	HELLA	Schmitz Cargobull	HELLA	Sispa	HELLA	Skoda	HELLA
1083	8KV 705 123-002	1-FZELEK0336	8KW 044 036-004	6022	8XY 004 721-001	3B7 955 681	8TW 006 849-031
1083	8KV 705 123-004	1-INBEMA0001	8HL 707 877-012	6036	8XY 004 721-001	4B0 941 295	6NM 007 878-531
1084335	9GD 735 641-001	1-INBEMA0002	8HL 707 877-022	6051	8XY 004 715-001	4B0 941 295 A	6NM 007 878-531
1085	8KW 044 275-003	1-INBEMA0003	8HL 707 877-051	6061	8XY 004 715-001		
1088319	8JD 733 767-001	1-INBEMA0005	8HL 717 962-021	6092	8XY 004 729-001	SMAT Nord	HELLA
1097	6FH 004 406-052		8KL 712 980-001	6096	8XY 004 723-001	5.594.025	8SB 002 993-001
1099	5WA 001 871-041		8KL 712 980-002	6097	8XY 004 716-001	Steinbock	HELLA
1109	8KX 716 405-011		8KL 712 980-002	6100	8XY 004 716-001	000 23044	8SB 002 997-001
1112624	4RD 933 332-061		9XT 713 630-491	6101	8XY 004 725-001	000 25788	6EG 001 567-011
1112624	4RD 933 332-067		2AA 001 204-011	6102	8XY 005 067-001	000 27443	8JB 001 946-001
1112904	4RD 933 332-067		8KL 712 975-001	6104	8XY 004 720-001	000 28864	8KV 715 923-003
1113	8KW 732 581-003		8KL 712 975-002	6123	8XY 004 725-001	000 948	3AL 002 952-871
11131	8KX 716 405-001		8JA 003 526-001	6149	8XY 004 718-001	000 948	3AL 002 952-877
11132	8KX 707 913-011		8JD 005 993-001	6211	8XY 007 747-001	001 661	8JS 091 603-003
1117735	6EK 002 843-013		8JD 005 993-002	6217	8XY 007 746-001	016 039	8KW 044 040-003
1117735	6EK 002 843-017		8JA 003 831-001	6227	8XY 008 238-011	016 039	8KW 044 040-004
1122	8JD 002 291-011		8JA 003 832-001	6235	8XY 008 530-001	016 040	8KW 044 026-003
1123	4RD 933 332-071		8KW 708 373-003			016 929	8JS 089 015-003
1123	4RD 933 332-077		8KL 712 980-004	Sisu	HELLA	018 843	3BA 002 768-771
1133932	5DS 009 552-001		8KL 712 980-004	090-570-1240	9GD 853 490-001	018 843	3BA 002 768-777
1150	8JA 001 925-001		8HW 708 373-004	095-245-1200	8WV 115 095-001	028 862	8KV 705 123-002
1197	8PD 003 798-001		6FH 007 832-151	112-210-0081	8TW 004 764-041	028 862	8KV 705 123-004
1198	8KX 707 917-031		8JB 003 833-001	112-210-0091	8TW 005 496-051	032 798	8ES 006 658-001
121189	8KW 054 944-003		8JB 003 834-001	112-219-0110	9XD 856 165-005	049 74019	8JB 004 777-001
121210.5	8KW 054 943-003		8KV 002 136-011	112-270-0121	8BW 007 757-027	049 74019	8JB 004 777-001
1523	8KL 054 006-002		8EV 003 361-011	112-270-0131	8BW 003 966-037	050 09366	3AL 002 952-871
1524	8KL 712 950-001		8KW 044 280-003	112-270-0141	8BW 007 757-007	050 09366	3AL 002 952-877
1524	8KL 712 950-002		8KW 044 280-004	112-440-0171	8SB 003 290-011	050 16159	6FH 001 579-061
1525	9XT 713 630-011		8JA 001 931-041	112-441-1310	9MX 127 585-002	050 40306	8EV 003 361-011
1526	8KL 054 005-002		8HK 710 701-151	112-441-1400	9MX 561 890-001	050 49405	6HF 001 579-061
1527	8KL 054 004-002		8HK 710 701-161		8EZ 008 021-011	050 49407	8JA 703 947-011
1529	8KL 054 003-002		8HK 713 820-051		6GM 007 832-231	087 83688	9SK 702 331-071
1530	8KL 054 002-002		8HK 713 820-071		6JB 003 959-001	146 07	9SL 042 591-001
1531	8KL 054 001-002		8KW 054 944-003		6EK 001 559-001	500 43924	9SL 740 998-007
1532	8KL 054 007-002		8KL 712 986-001		6EK 001 559-007	50030507	8XY 007 022-001
1535	8KL 712 949-001		8KL 712 987-001		6EZ 006 377-017	510 76136	6JB 003 959-031
1535	8KL 712 949-002		8TM 003 792-001		6EJ 001 569-001	510 84965	8JB 008 023-001
1536	8KL 712 948-001		2AA 001 204-001		6FH 007 832-061	510 84965	4RA 007 813-011
1537	8KL 712 948-002		6EH 007 832-601		6FH 007 832-067	510 84965	4RA 007 813-017
1537	8KL 712 947-001		8HS 071 415-001		6FH 007 832-081	510 84979	4RD 007 814-011
1537	8KL 712 947-002		8KW 054 944-003		6FH 007 832-087	510 84979	4RD 007 814-017
1539	8KL 712 945-002		6GM 007 832-271		6RH 007 832-461	511 13392	4DM 009 492-001
1540	8KL 712 944-001		8PE 002 007-001		6RH 007 832-467	511 39816	4RD 007 903-021
1540	8KL 712 944-002		8PE 002 006-001		6GM 007 832-251	511 39816	4RD 007 903-027
1541	8KL 712 942-001		8JA 007 024-001		6GM 007 832-221	520 11042	6JK 007 232-001
1545	8KL 717 461-001		8KV 002 137-001		6EH 007 832-041	520 11163	3AL 002 952-861
1553	8KL 712 957-001		4RA 965 400-001		6HH 007 832-301	520 11163	3AL 002 952-867
1553	8KL 712 957-002		8PE 002 007-011		6FH 007 832-101	520 27388	4RA 007 793-031
1554	8KL 712 959-001		3BA 002 768-082		6FH 007 832-107	520 27388	4RA 007 793-037
1554	8KL 712 959-002		8HK 713 394-001		6FH 007 832-151	520 28189	8XY 004 717-001
1576	6EH 004 407-002		8KX 091 450-031		6ED 004 778-021	520 32244	8EV 003 361-001
1581	8KL 712 958-001		8KX 091 450-032		6LB 005 389-001	632 418	6EK 002 843-001
1587	8KL 712 978-001		8KW 044 282-003		4DW 003 944-071	632 418	6EK 002 843-003
1594	8KL 712 943-001		8KV 002 140-001		4DM 003 944-091	632 418	8EK 002 843-007
1594	8KL 712 943-002		8KV 002 139-001		4RA 965 400-031	745 204010032	8SB 002 405-001
1595	9XT 713 630-421		8KW 044 275-003		8JA 001 918-002	812 895	8PE 002 006-001
1596	9XT 713 630-701		8SB 560 991-012		8JA 001 918-021	852 60155	6ED 001 563-021
1715	8KL 712 956-002		8JS 711 684-002		8JA 003 831-001	867 65874	8JD 002 291-001
1728	8KL 717 460-001		8JS 711 685-002		8JA 003 832-001	999 090	8WB 851 385-025
1870	6ZF 003 549-001		8JS 711 686-002		8JA 007 241-031		
199440	6ZE 001 759-071		8JS 711 687-002		8JB 004 777-001	Steyr	HELLA
199442	6ED 004 778-021		8JS 711 687-007		8JB 004 777-002	000 820 72 10	6ZE 001 759-061
1995	8KL 712 955-001		8KV 002 127-003		8JB 001 941-001	000 860 22 26	8TW 005 206-011
1995	8KL 712 955-002		8KV 002 127-007		8JB 001 941-002	000 982 00 23	4DM 003 360-021
1-FZELEK0015	8KL 712 943-001		8KV 705 123-002		8JB 003 833-001	000 982 13 23	4DM 004 639-061
1-FZELEK0015	8KL 712 943-002		8KV 705 123-002		8JB 001 935-031	000 982 13 23	4DM 004 639-067
1-FZELEK0016	8KL 712 948-001		8KW 044 276-003		8JB 003 834-001	002 544 84 32	4DM 004 639-061
1-FZELEK0016	8KL 712 948-002		8KW 044 276-003		8KV 002 132-001	002 544 84 32	4DM 004 639-067
1-FZELEK0017	8KL 712 992-001		8KW 044 277-004		8KW 003 284-001	002 640 52 81	8JB 005 949-011
1-FZELEK0018	8KL 712 993-001		8KW 044 277-003		8KB 581-0320	002 640 52 81	8JB 005 949-012
1-FZELEK0021	8KL 712 997-001		8KW 044 027-003		8SB 501 147-021	003 542 78 20	3AG 003 399-012
1-FZELEK0028	8JA 003 831-001		8KW 044 027-004		8JB 001 939-001	1 712 00 710 00 1	6ZF 182 914-051
1-FZELEK0029	8JA 003 832-001		8KW 044 027-004		8KW 044 030-003	1.401.58.008.1	2AA 001 200-131
1-FZELEK0034	8JB 003 833-011		8KW 044 027-004		8KW 044 030-004	1.520.07.700.63	8SB 501 137-082
1-FZELEK0042	8KW 043 636-003		8KW 044 027-004		8KW 044 030-003	1.520.07.700.64	8SB 501 147-003
1-FZELEK0043	8KW 700 144-003		8KW 044 027-004		8KW 044 030-004	1.520.07.707.01	9EY 125 314-001
1-FZELEK0045	8KW 044 028-003		8KW 044 027-004		8KW 044 030-004	1.520.07.707.02	9MX 127 585-002
1-FZELEK0046	8KW 044 277-003		8KW 044 027-004		8KW 044 030-004	1.990.00.580.01.3	5WA 001 871-041
1-FZELEK0047	8KW 044 027-003		8KW 044 027-004		8KW 044 030-004	1.990.12.770.10.81	8JA 001 926-001
1-FZELEK0047	8KW 044 027-004		8KW 044 027-004		8KW 044 030-004	2.812.54.350.88.81	8JA 003 526-001
1-FZELEK0056	8KW 044 022-003		8KW 044 027-004		8KW 044 030-004	2.812.54.020	8JA 003 526-002
1-FZELEK0056	8KW 044 022-004		8KW 044 027-004		8KW 044 030-004	3.477.70.02	8EV 003 361-001
1-FZELEK0064	8KW 044 033-002		8KW 044 027-004		8KW 044 030-004	3.477.70.42	9EY 122 979-001
1-FZELEK0064	8KW 044 033-004		8KW 044 027-004		8KW 044 030-004	3.490.54.065.03.491252	8KV 002 136-001
1-FZELEK0065	8KW 044 028-003		8KW 044 027-004		8KW 044 030-004	3.990.05.800.25	6BA 001 539-001
1-FZELEK0066	8KW 044 026-003		8KW 044 027-004		8KW 044 030-004	3.990.05.800.25	6BA 001 539-007
1-FZELEK0146	8SB 003 609-061		8KW 044 027-004		8KW 044 030-004	372 860 05 60	8BW 003 443-011
1-FZELEK0173	8KL 712 949-001		8KW 044 027-004		8KW 044 030-004	461 154 40 23 2	4DM 004 639-061
1-FZELEK0173	8KL 712 949-002		8KW 044 027-004		8KW 044 030-004	461 154 40 23 2	4DM 004 639-067
1-FZELEK0186	8KW 705 392-003		8KW 044 027-004		8KW 044 030-004	484 282 02 10	6ZF 003 549-001
1-FZELEK0187	8KW 708 374-003		8KW 044 027-004		8KW 044 030-004	5 899 911 221 00	4DW 003 944-071
1-FZELEK0187	8KW 708 374-004		8KW 044 027-004		8KW 044 030-004	5.323.82.000.15.0	8JA 703 947-011
1-FZELEK0189	8KV 705 123-002		8KW 044 027-004		8KW 044 030-004	5.360.80.150.00.0	8JB 001 935-031
1-FZELEK0189	8KV 705 123-004		8KW 044 027-004		8KW 044 030-004	5.360.80.152.00.0	2AA 001 200-031
1-FZELEK0191	8KL 712 991-001		8KW 044 027-004		8KW 044 030-004	5.360.80.152.A0.0	2AA 001 200-021
1-FZELEK0194	8KW 044 039-003						

Manufacturer's no. / HELLA no.

Cross-reference



Steयर	HELLA	Still	HELLA	SWF	HELLA	SWF	HELLA
5.899.90.058.06.0	8SB 501 246-892	500164	3BA 002 768-771	113 008	8XY 004 717-001	511 198	6GM 007 832-521
5.899.91.042.11.0	8KX 707 913-011	500166	3BA 002 768-777	113 010	8XY 004 718-001	511 199	6GM 007 832-521
5.899.91.057.90.0	8SB 501 247-803	500166	8JB 001 943-001	113 013	8XY 004 720-001	511 200	6FH 004 570-571
5.900.05.800.10.0	8JB 001 946-041	500166	8JB 001 943-003	113 019	8XY 004 729-001	511 200	6FH 007 832-621
5.900.05.800.58.0	2AA 001 200-141	502662	6BB 001 540-001	113 028	8XY 004 721-001	511 201	6FH 004 570-571
5.900.05.800.86.0	2AA 001 200-131	502775	8KV 002 139-001	113 033	8XY 005 067-001	511 201	6FH 007 832-621
5.900.05.800.87.0	2AA 001 200-151	503747	8JD 002 294-001	132 001	9XW 194 562-401	511 211	6GM 004 570-271
5.900.05.800.91.0	2AA 001 200-041	503747	8JD 002 294-002	132 901	9XW 194 562-361	511 211	6GM 007 832-631
5.900.72.591.02.0	8JA 002 262-001	507675	6HD 002 535-031	401 973	8TW 004 223-031	511 212	6GM 004 570-271
5.900.72.591.02.0	8JA 002 262-003	507829	6HD 002 535-111	511 000	6EH 004 570-001	511 212	6GM 007 832-631
5.900.72.591.04.0	8JB 001 946-021	507892	6HD 002 535-111	511 000	6EH 007 832-001	511 213	6GM 004 570-271
5.900.72.591.04.0	8JB 001 946-022	508296	8KV 002 127-003	511 007	6GM 004 570-051	511 213	6GM 007 832-631
5.920.00.128.23.0	9GD 853 490-001	508296	8KV 002 127-007	511 007	6GM 007 832-181	511 229	6RH 004 570-371
590.00.58.0039	5WA 001 871-041	51024959	8JB 001 943-011	511 017	6GM 004 570-681	511 229	6RH 007 832-701
6.805.80.119	6ED 004 778-011	518284	6BA 001 539-001	511 017	6EH 007 832-611	511 230	6RH 004 570-371
7.581.852.25.0	6ZF 182 914-051	518284	6BA 001 539-007	511 018	6EH 004 570-681	511 230	6RH 007 832-701
7.161.73.017.0	8HG 851 387-007	518308	4DB 003 750-721	511 018	6EH 007 832-611	511 231	6RH 004 570-321
7.171.93.552.0	3AG 003 399-101	519834	8KW 045 145-003	511 019	6EH 004 570-101	511 231	6RH 007 832-711
721.1.83.106.0	8SB 003 609-061	519834	8KW 045 145-004	511 019	6FH 007 832-051	511 232	6RH 004 570-321
791.00.58.0274	8EV 003 361-011	519848	8JD 002 294-081	511 026	6RH 004 570-151	511 232	6RH 007 832-711
8.125.43.500.45	8JA 715 606-001	521396	8KV 705 123-002	511 026	6RH 007 832-331	511 233	6RH 008 948-012
8.125.43.508.88	8JA 003 526-001	521396	8KV 705 123-004	511 040	6GM 004 570-071	511 234	6RH 008 948-012
8.125.43.508.88	8JA 003 526-002	521601	8EZ 008 022-001	511 040	6GM 007 832-211	511 235	6RH 008 910-011
9.377.01.00	8SB 003 609-061	521700	8JA 002 262-001	511 045	6FH 007 832-511	511 235	6RH 008 948-012
9.910.05.820.56	8JA 003 526-001	521700	8JA 002 262-003	511 046	6FH 007 832-511	511 238	6RH 007 832-491
9.910.05.820.56	8JA 003 526-002	521701	8JB 001 946-011	511 047	6FH 007 832-511	511 239	6RH 007 832-491
	HELLA	522093	4AZ 001 879-041	511 050	6FH 004 570-531	511 269	6RH 007 832-651
	4DM 003 360-021	522940	8JM 003 833-011	511 050	6FH 007 832-161	511 270	6RH 007 832-651
	4DM 003 360-027	523909	4DM 003 474-001	511 055	6GM 004 570-231	511 502	2AA 713 628-001
	8WB 003 248-001	523909	4DM 003 474-007	511 055	6GM 007 832-261	511 503	2AA 713 628-011
	8WB 003 248-007	523953	6EH 004 570-011	511 060	6GM 004 570-541	592 095	9XT 740 763-541
	9XT 713 630-391	523954	9XT 713 630-101	511 060	6FH 007 832-171	592 877	9XT 740 763-641
	9XT 713 630-221	524750	9FF 713 627-001	511 063	6FH 004 570-241	592 906	9XT 740 763-531
	9XT 713 630-711	525476	6RH 004 570-351	511 063	6FH 008 948-022	593 289	9XT 714 300-481
	9XT 713 630-011	525477	6FH 004 570-101	511 064	6FH 004 570-241	593 302	9XT 740 763-631
	3AL 002 952-917	525994	3BA 002 768-001	511 064	6FH 008 948-022	593 322	9XT 740 763-621
	3AL 002 952-871	527489	6EK 002 843-001	511 065	6GM 004 570-201	593 445	9XT 714 300-381
	3AL 002 952-877	527489	6EK 002 843-003	511 065	6GM 007 832-231	594 411	9XT 740 763-661
	4DM 003 474-001	527489	6EK 002 843-007	511 080	6RH 004 570-351	594 458	9XT 740 763-511
	4DM 003 474-007	527532	6EZ 008 022-011	511 080	6RH 007 832-431	594 465	9XT 714 300-761
	4DB 007 218-001	527975	9GH 993 984-001	511 085	6RH 004 570-401	594 475	9XT 734 713-121
	8SB 501 137-031	527975	9GH 993 984-007	511 085	6RH 007 832-451	594 801	8HG 716 735-001
	9GD 735 641-001	527976	8TW 005 496-051	511 088	6RH 004 570-411	594 802	8HG 716 734-001
	8JD 002 291-011	527977	8TW 857 850-005	511 088	6RH 007 832-461	595 101	9XT 714 300-181
	8JD 002 289-011	527979	8TW 005 496-051	511 090	6RH 004 570-191	595 101	9XT 714 300-191
	8JS 704 073-003	529127	8JB 005 949-001	511 090	6RH 007 832-381	595 105	9XT 713 630-331
	3BA 002 768-382	532026	3AL 002 952-917	511 093	6RH 007 832-741	595 106	9XT 740 763-491
	3BA 002 768-001	5721340	8JA 001 918-021	511 094	6RH 007 832-741	595 123	9XT 740 763-501
	8JB 002 286-031	665728	8KV 002 132-001	511 095	6RH 007 832-761	595 200	9XT 714 300-141
	8KX 091 450-031	721565	8TW 004 223-031	511 096	6RH 007 832-761	595 200	9XT 713 630-591
	8KX 091 450-032	7915001001	8JB 008 023-051	511 097	6RH 007 832-761	595 421	9XT 714 300-561
	8KX 043 021-031	7915001033	8JB 003 833-011	511 100	6RH 004 570-751	595 422	9XT 713 630-621
	8KX 043 021-032	7915490509	6EH 004 570-021	511 100	6RH 007 832-481	595 423	9XT 713 630-631
	2AA 001 200-011	7915490509	6EH 004 570-027	511 101	6RH 004 570-751	595 424	9XT 713 630-671
	2AA 001 200-012	7915490531	6RH 004 570-411	511 101	6RH 007 832-481	595 429	9XT 714 300-401
	2AA 001 200-141	7916291272	6RH 004 570-417	511 102	6RH 004 570-751	595 432	9XT 714 300-421
	8JA 003 526-001	7916291273	4RA 965 400-001	511 102	6RH 007 832-481	595 502	8HG 714 504-001
	8JA 003 526-002	7916291274	4RA 965 400-031	511 105	6FH 004 570-501	595 851	9XT 713 630-551
	8KW 701 235-033	7916291274	4RA 007 793-031	511 105	6FH 007 832-121	595 852	9XT 713 630-561
	8KW 701 235-034	7916291277	4RA 007 793-037	511 108	6FH 004 570-341	595 902	8HG 713 626-001
	6EJ 001 569-001	7916291277	4RD 007 814-017	511 109	6FH 004 570-341	595 965	9XT 713 630-641
	9XT 713 630-711	7916291277	4RD 007 814-017	511 110	6FH 007 832-101	595 967	9XT 714 300-631
	8BW 003 443-057	7918915217	3SB 004 438-177	511 110	6FH 007 832-107	595 969	9XT 713 630-691
	8JS 025 889-003	7919025067	9FF 713 627-011	511 111	6FH 007 832-101	595 971	9XT 713 630-401
	8JS 089 015-003	7919025069	9FF 713 627-001	511 111	6FH 007 832-107	596 090	9XT 714 300-071
	8JS 091 603-003	7919086803	8JS 711 684-002	511 112	6RH 007 832-551	596 091	9XT 713 630-381
	8JS 713 144-003	8010515	3BA 002 768-001	511 113	6RH 007 832-551	596 100	9XT 734 713-131
	8KW 043 636-003	8013165	2AA 001 200-011	511 114	6RH 007 832-551	596 106	9XT 714 300-611
	8KW 700 144-003	8013165	2AA 001 200-012	511 114	6RH 008 948-002	596 121	9XT 713 630-601
	3BA 002 768-771	8014375	8JA 003 526-001	511 118	6RH 008 948-002	596 122	9XT 713 630-181
	3BA 002 768-777	8014375	8JA 003 526-002	511 119	6RH 008 948-002	596 123	9XT 714 300-501
	8JA 001 918-002	8016829	8JS 025 889-003	511 137	6RH 004 570-671	596 127	9XT 740 763-651
	8JA 001 918-021	8020542	3BA 002 768-771	511 138	6RH 004 570-671	596 138	9XT 714 300-201
	8JS 711 684-002	8020542	3BA 002 768-777	511 142	6RH 007 832-681	596 144	9XT 714 300-231
	8JS 711 688-002	8401754	3AL 002 952-871	511 143	6RH 007 832-681	596 154	9XT 714 300-001
	9XT 713 630-391	8401754	3AL 002 952-877	511 144	6RH 004 570-187	596 156	9XT 713 630-731
	9MJ 707 875-013	8401892	8JS 711 683-002	511 144	6RH 007 832-797	596 158	9XT 713 630-761
	9MJ 707 874-013	8401895	8JS 711 686-002	511 145	6RH 004 570-187	596 162	9XT 713 630-751
	9MJ 707 869-013	8401895	8JS 711 686-007	511 145	6RH 007 832-797	596 169	9XT 714 300-131
	9EY 111 231-001	8401896	8JS 711 687-002	511 146	6FH 004 570-511	596 171	9XT 714 300-181
	8SB 002 992-001	8401896	8JS 711 687-007	511 147	6FH 004 570-511	596 173	9XT 714 300-011
	8KW 044 033-002	8405541	8JS 711 689-002	511 148	6FH 004 570-511	596 186	9XT 714 300-571
	8KW 044 033-004	8405541	8JB 713 567-003	511 149	6FH 007 832-131	596 191	9XT 713 630-391
	8KW 009 254-801	8407401	8JS 005 949-011	511 150	6GM 004 570-691	596 196	9XT 714 300-041
	8JA 001 921-102	8407401	8JB 005 949-012	511 160	6GM 004 570-691	596 230	9XT 740 763-291
	3BA 002 768-201	916470	8JS 713 567-003	511 161	6GM 004 570-691	596 238	9XT 714 300-041
	3BA 002 768-771	917000	8JB 005 949-011	511 162	6GM 004 570-691	596 273	9HB 713 629-001
	3BA 002 768-777	917000	8JB 005 949-012	511 166	6EH 004 570-621	596 289	8JA 713 631-001
	8JD 002 289-011	921504	8JD 002 289-011	511 181	6EH 007 832-601	596 298	9XT 714 300-051
	3AL 002 952-871	924396	2AA 001 200-011				



Manufacturer's no. / HELLA no.

Cross-reference

SWF	HELLA	Valeo	HELLA	VDO Continental	HELLA	Volkswagen	HELLA
596 623	9XT 714 300-111	247538	8XY 004 729-001	410-202-010-001Z	4RV 008 188-021	443 911 261	4RV 008 188-171
596 624	9XT 734 713-231	247538	8XY 006 481-001	745219	4RP 008 189-041	443 911 261 A	4RV 008 188-181
596 625	9XT 713 630-101	247557	8XY 006 587-001	89 563 118	9GD 853 490-001	481 919 209	4RV 008 188-101
596 626	9XT 713 630-411	247559	8XY 008 238-011	92 151 090	8TW 007 540-141	4A0 035 787	2AA 001 200-141
596 627	9XT 713 630-131	247560	8XY 008 530-001	A2V00001021479	6FH 007 832-161	4A0 941 295	6ED 004 778-001
596 628	9XT 713 630-281	247561	8XY 007 526-001	A2V00001021481	8JA 713 631-001	533 201 551 E	6NM 007 282-211
596 630	9XT 713 630-291	247601	8XY 008 238-011	A2V00001077011	3SB 003 985-061	533 201 551 F	8XY 004 729-001
596 632	9XT 713 630-221	404 113	8XY 008 530-001	A2V00001077011	3SB 003 985-061	600 857 521	9MX 561 044-002
596 633	9XT 713 630-681	500945	8TW 004 223-097	A2V00001077011	5WA 001 871-051	600 857 539	9EY 561 042-002
596 634	9XT 714 300-021	574106	6EB 008 845-007	A2V01006523	5WA 001 871-051	612 170 620 1	2AA 001 200-011
596 637	9XT 713 630-491	574107	9XW 178 878-111	A2V01046240	5WA 001 871-051	612 170 620 1	2AA 001 200-012
596 639	9XT 713 630-501	574108	9XW 178 878-141	A2V01077011	3AF 003 399-061	690 857 539	9EY 561 814-001
596 640	9XT 713 630-031	574109	9XW 178 878-151	A2V01077011	3SB 003 985-067	701 925 071	8JB 004 777-001
596 641	9XT 713 630-271	574110	9XW 178 878-161	A2V01082117	3AF 003 399-071	701 925 071	8JB 004 777-002
596 642	9XT 713 630-251	574111	9XW 178 878-171	AV200001021480	9XT 713 630-111	701 925 071	8JB 004 777-011
596 646	9XT 713 630-481	574112	9XW 178 878-181	N07-066-650	6JF 001 571-161	7D0 857 587	9EY 562 033-003
596 648	9XT 713 630-301	574114	9XW 178 878-191	X10729002004	8TW 006 847-001	7D0 951 275	6ZE 001 759-071
596 649	9XT 713 630-351	574115	9XW 178 878-201	X10-729-002-005	8TW 006 848-001	7D0 951 275 A	6ZE 001 759-051
596 650	9XT 713 630-001	574116	9XW 178 878-211	X10-729-002-006	8TW 006 848-051	867 201 551	8XY 004 725-001
596 651	9XT 713 630-261	574117	9XW 178 878-221	X10-729-002-007	8TW 006 848-071	867 911 261 C	4RV 008 188-181
596 710	9FF 713 627-011	574118	9XW 178 878-231	X10-729-002-008	8TW 006 849-001	893 911 261	4RV 008 188-171
596 802	9XT 734 713-771	574119	9XW 178 878-241	X10-741-002-002	4RP 008 189-041	893 925 071 A	8JB 004 123-001
596 956	9FF 713 627-001	576080	9XW 178 878-251	X11-397-110-025	6JF 001 571-161	893 925 071 A	8JB 004 123-002
601 163	5WA 001 871-051	576081	4AZ 001 879-041			990 002 047	4RA 007 865-031
611 000	4RA 007 793-031	641422	4RV 008 188-271			A 37 - 3104	4DM 003 944-091
611 004	4RA 965 400-001	73104902	4RV 008 188-271			KDW 9H 1066	2AA 001 200-011
611 008	4RD 007 794-021	73506302	4RV 008 188-271			KDWHLO9129	2AA 001 200-041
611 009	4RD 007 903-001	745371	8XY 004 716-001			KDWHLO9230	2AA 001 204-001
913 328	8JA 715 600-001	745371	8XY 006 369-001			KDWHLO90203	9XT 713 630-011
Talbot	HELLA	745372	8XY 004 723-001			KDWHLO9006	8JA 007 589-001
9151586980	4RV 008 188-091	745377	8XY 007 022-001			KDWHLO9006	8JA 007 589-002
9251586780	4RV 008 188-091	745378	8XY 004 729-101			KDWHLO9011	6RH 004 570-751
9251586980	4RV 008 188-091	745378	8XY 006 481-101			KDWHLO9014	8JA 005 952-001
9614167780	4RV 008 188-281	745378	8XY 007 021-001			KDWHLO9018	8XK 707 912-001
Toyota	HELLA	F950165U	8JA 003 526-002			KDWHLO9025	9XT 714 300-001
51963-17702-83	4DM 004 639-061	Vauxhall	HELLA	HELLA		KDWHLO9030	8HG 714 504-001
51963-17702-83	4DM 004 639-067	13250288	9GD 853 490-001	99D 853 490-001	3AL 002 952-841	KDWHLO9037	6GM 004 570-201
Tridon	HELLA	90040992	4RV 008 188-161	90040992	3AL 002 952-811	KDWHLO9038	2AA 713 628-001
8800 10203	8XY 008 238-011	90045820	8TW 004 223-031	90226561	3AL 002 952-817	KDWHLO9039	9XT 714 300-291
8800 15302	8XY 007 526-001	90228289	8TW 005 206-011	90228289	8KW 044 022-003	KDWHLO9042	4AZ 001 879-041
8800 2001	8XY 004 725-001	90341822	4RV 008 188-161	90341822	8KW 044 022-004	KDWHLO9045	6ZE 001 759-071
8800 2012	8XY 004 720-001	91097769	4RV 008 188-161	91097769	8WV 115 095-001	KDWHLO9046	6ZE 001 759-051
8800 2031	8XY 004 725-001	91108750	4RV 008 188-161	91108750	8JA 002 262-001	KDWHLO9050	6ED 004 778-011
8800 2061	8XY 004 723-001	91146237	4DM 003 944-091	VDO Continental	8JA 002 262-003	KDWHLO9055	6EJ 001 569-001
8800 2091	8XY 004 727-001	VDO Continental	HELLA	Trading	8XY 004 727-001	KDWHLO9056	6JF 001 571-001
8800 2091	8XY 004 727-011	1138.0095.011.050	9NH 701 230-001	1138.0095.011.050	4RV 008 188-171	KDWHLO9056	6FG 002 312-001
8800 25201	8XY 007 747-001	246-075-042-001C	8TW 004 223-031	246-075-042-001C	4RV 008 188-171	KDWHLO9061	6FG 002 312-002
8800 3031	8XY 004 715-001	246-075-043-001	8TW 005 496-011	246-075-043-001	4RV 008 188-171	KDWHLO9062	3AG 003 399-081
8800 3032	8XY 004 716-001	246-075-044-001C	8TW 006 848-101	246-075-044-001C	4RV 008 188-171	KDWHLO9062	9HB 713 629-001
8800 3091	8XY 007 746-001	246-075-044-002A	8TW 004 223-031	246-075-044-002A	4RV 008 188-171	KDWHLO9063	6FH 004 570-111
8800 4001	8XY 006 587-001	246-082-001-001C	8TW 004 223-031	246-082-001-001C	4RV 008 188-171	KDWHLO9065	8JA 005 951-001
8800 4012	8XY 004 717-001	246-082-003-003	8TW 004 223-031	246-082-003-003	4RV 008 188-171	KDWHLO9065	8JA 005 951-003
8800 4022	8XY 004 723-001	246-082-003-005C	8TW 004 223-031	246-082-003-005C	4RV 008 188-171	KDWHLO9066	2AA 001 204-011
8800 4022	8XY 004 725-001	246-082-003-007	8TW 004 223-031	246-082-003-007	4RV 008 188-171	KDWHLO9077	8JA 002 252-101
8800 4031	8XY 004 716-001	246-082-003-010	8TW 004 223-031	246-082-003-010	4RV 008 188-171	KDWHLO9077A	8JA 002 252-103
8800 4031	8XY 006 369-001	246-082-003-011	8TW 004 223-031	246-082-003-011	4RV 008 188-171	KDWHLO9077A	8JA 002 262-003
8800 4032	8XY 004 717-001	246-082-003-016	8TW 004 223-031	246-082-003-016	4RV 008 188-171	KDWHLO9077B	8JB 001 946-021
8800 4042	8XY 006 369-001	246-082-003-017	8TW 004 223-031	246-082-003-017	4RV 008 188-171	KDWHLO9077B	8JB 001 946-022
8800 4091	8XY 004 718-001	246-082-005-001	8TW 005 496-011	246-082-005-001	4RV 008 188-171	KDWHLO9082	8JB 001 946-041
8800 6070	8XY 007 103-001	246-082-005-002C	8TW 005 496-011	246-082-005-002C	4RV 008 188-171	KDWHLO9085	6EK 002 843-001
8800 8031	8XY 007 101-001	246-082-008-001Z	8TW 005 496-011	246-082-008-001Z	4RV 008 188-171	KDWHLO9085	6EK 002 843-003
8800 8052	8XY 004 721-001	246-082-008-003	8TW 005 496-011	246-082-008-003	4RV 008 188-171	KDWHLO9087	6EK 002 843-007
8800 9292	8XY 005 067-001	246-082-008-008	8TW 005 496-011	246-082-008-008	4RV 008 188-171	KDWHLO9087	6FH 004 570-121
8800 9451	8XY 004 729-001	246-082-008-014C	8TW 004 223-031	246-082-008-014C	4RV 008 188-171	KDWHLO9087	6FH 004 570-127
8800 9561	8XY 007 102-001	246-082-008-015	8TW 004 223-031	246-082-008-015	4RV 008 188-171	KDWHLO9089	8JB 001 946-031
SERFLEX 5/7-11	8HK 713 394-001	246-082-008-017	8TW 004 223-031	246-082-008-017	4RV 008 188-171	KDWHLO9090	8JB 004 123-001
Ulo	HELLA	246-082-008-018	8TW 004 223-031	246-082-008-018	4RV 008 188-171	KDWHLO9090	8JB 004 123-002
6016-03	8SB 501 274-001	246-082-008-019	8TW 005 496-011	246-082-008-019	4RV 008 188-171	KDWHLO9091	8JD 002 289-001
6102-02	8SB 501 273-001	246-082-008-021G	8TW 005 496-011	246-082-008-021G	4RV 008 188-171	KDWHLO9092	8JD 002 289-001
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087299	6NM 007 878-041	246-082-008-025G	8TW 006 848-041	246-082-008-025G	4RV 008 188-171	KDWHLO9093	8JB 002 281-001
245600	4RV 008 188-081	246-082-008-026	8TW 006 848-041	246-082-008-026	4RV 008 188-171	KDWHLO9094	8JB 002 294-001
245603	4RV 008 188-091	246-082-008-026G	8TW 006 848-041	246-082-008-026G	4RV 008 188-171	KDWHLO9094	8JD 002 294-002
245604	4RV 008 188-101	246-082-008-027	8TW 006 848-041	246-082-008-027	4RV 008 188-171	KDWHLO9096	8JD 002 291-011
245607	4RV 008 188-171	246-082-008-027G	8TW 006 848-041	246-082-008-027G	4RV 008 188-171	KDWHLO9100	8JA 003 526-001
247500	8XY 004 715-001	246-082-008-029	8TW 006 848-041	246-082-008-029	4RV 008 188-171	KDWHLO9100	8JA 003 526-002
247501	8XY 005 067-001	246-082-008-031	8TW 006 848-041	246-082-008-031	4RV 008 188-171	KDWHLO9102	2AA 001 201-011
247502	8XY 004 715-001	246-082-008-031G	8TW 006 848-041	246-082-008-031G	4RV 008 188-171	KDWHLO9103	8HG 716 735-001
247503	8XY 005 067-001	246-082-008-032	8TW 006 848-041	246-082-008-032	4RV 008 188-171	KDWHLO9103	8HG 716 735-007
247505	8XY 004 721-001	246-082-008-032G	8TW 006 848-041	246-082-008-032G	4RV 008 188-171	KDWHLO9104	8HG 716 734-001
247506	8XY 004 717-001	246-082-008-033	8TW 006 848-041	246-082-008-033	4RV 008 188-171	KDWHLO9104	8HG 716 734-007
247507	8XY 004 725-001	246-082-008-033G	8TW 006 848-041	246-082-008-033G	4RV 008 188-171	KDWHLO9105	6FH 004 570-521
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247511							

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Volkswagen	HELLA	Volvo	HELLA	Volvo	HELLA	Volvo	HELLA
KDWHLO9233	8JA 001 921-102	1 578 123	35B 003 985-061	3 477 646	8TW 004 223-031	7 049 710	8JB 001 941-002
KDWHLO9237	8JB 002 286-031	1 578 123	35B 003 985-067	3 542 997	4RA 003 530-041	7 065 760	8JA 002 262-001
KDWHLO9245	6ZF 003 549-021	1 578 869	4DW 003 944-071	3 542 997	4RA 003 530-042	7 065 760	8JA 002 262-003
KDWHLO9246	6ED 004 778-001	1 581 550	8SB 501 156-021	3 570 244	8SB 002 405-011	7 416 675	8JS 711 683-931
KDWHLO9250	4DM 003 360-021	1 581 599	9EY 120 010-001	3 650 116	4RV 008 188-161	7 801 030 02	4DW 003 944-071
KDWHLO9250	4DM 003 360-027	1 581 602	9MX 560 096-002	3 930 861	2AA 001 200-001	70 324 695	8JB 004 777-001
KDWHLO9256	8JD 005 235-002	1 581 602	9MX 561 891-001	3 930 862	2AA 001 200-131	70 324 695	8JB 004 777-002
KDWHLO9280	8KL 712 980-001	1 594 412	8SB 501 156-031	3 930 863	2AA 001 200-001	70 347 509	8JB 004 123-001
KDWHLO9280	8KL 712 980-002	1 594 415	9MX 560 096-002	3 930 863	2AA 001 200-011	70 347 509	8JB 004 123-002
KDWHLO9284	6ED 001 563-021	1 599 462	8SB 501 081-031	3 930 863	2AA 001 200-012	7801331900015	2AA 713 628-031
KDWHLO9306	6ED 004 778-031	1 607 981	8SB 501 147-031	3 950 985	9GD 853 490-001	7801331900007	6EH 007 832-011
KDWHLO9323	6ZF 003 549-001	1 623 180	4DM 003 944-091	3 953 486	4DN 004 589-031	7801331900007	6EH 007 832-012
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KDWHLO9335	8HL 707 877-012	1 697 926	9EY 125 314-001	30005080042	8JA 003 526-002	795 719	8JB 001 941-001
KDWHLO9337	5WA 001 871-041	1 697 926	9MX 127 855-002	30005160027	6FH 004 570-101	795 719	8JB 001 941-002
KDWHLO9402	4RA 965 400-001	1 699 700	9MX 561 890-001	30005160038	9XT 714 300-181	795 720	8JA 001 918-002
KDWHLO9431	8JA 713 631-001	11 061 947	8JD 002 294-081	30005160039	9XT 714 300-191	795 720	8JA 001 918-021
KDWHLO9431	8JA 713 631-007	11 087 221	8JB 003 959-001	30005160052	9XT 713 630-021	8 180 080 01	8JB 001 943-011
KDWHLO9432	8JA 715 600-001	11 087 720	5WA 001 871-051	30005160057	6GM 004 570-071	8 229 257 7	6NM 008 299-501
KDWHLO9437	8KX 716 405-001	11 305 113	3AL 002 952-861	33 443 219	8KV 004 418-004	8 659 540	9GD 853 490-001
KDWHLO9438	8KX 716 405-011	11 305 113	3AL 002 952-867	35 601 160	4RV 008 188-161	8202331900001	8WS 008 549-501
KDWHLO9444	6FG 002 315-001	11 305 874	8JB 001 941-001	351 294	8JA 001 918-002	8706001900012	9MX 562 841-002
KDWHLO9453	8KV 002 127-021	11 305 874	8JB 001 941-002	3515160157	8KW 700 143-003	9 142 606	8XY 004 729-001
KDWHLO9456	6ED 001 563-001	11 706 183	9GH 993 984-001	4 038 323	2AA 001 200-031	9 162 987	4RV 008 188-331
KDWHLO9456	6ED 001 563-003	11 706 183	9GH 993 984-007	4 373 211	4DB 001 887-041	9 178 094	8TW 006 848-101
KDWHLO9456	6ED 001 563-004	2 050 343 9	6ZF 003 549-021	4 373 253	6ZE 001 759-071	969 160	8JS 711 684-002
KDWHLO9467	8JD 002 291-001	2 050 485 7	8TW 004 764-041	4 374 377	8ES 006 658-001	969 161	8JS 711 686-002
KDWHLO9474	8JS 711 683-002	2 052 079	8JB 001 943-001	4 787 201	4DW 003 944-071	969 161	8JS 711 686-007
KDWHLO9497	6EH 004 570-011	2 052 079	8JB 001 943-003	4 803 798	4AZ 001 879-051	969 162	8JS 711 687-002
KDWHLO9498	6EH 004 570-021	2 052 079	8JB 005 949-001	4 881 428	8EV 003 361-011	969 162	8JS 711 687-007
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KDWHLO9499	9XT 713 630-281	2 052 079 4	8JB 001 943-003	43 753 353	8JS 711 686-007	978 999	8JS 711 688-002
KDWHLO9520	6EK 001 559-001	2 052 079 6	8JB 005 949-001	43 753 361	8JS 711 689-002	979 009	8JS 728 595-161
KDWHLO9520	6EK 001 559-007	2 052 550	6HD 002 535-031	5 057 505	3AL 002 952-861	VOE1089286	4DW 003 944-071
KDWHLO9526	2AA 003 257-031	2 052 551	6HD 002 535-111	5 057 505	3AL 002 952-867	VOE15411368	5HE 996 152-127
KDWHLO9530	9XT 713 630-461	2 052 551 0	8WT 008 549-701	5 070 004	8JB 001 946-021	VOE4823997	8TW 004 764-041
KDWHLO9531	9XT 713 630-711	2 052 613 5	8JB 008 023-001	5 070 004	8JB 001 946-022	VOE979009	8JS 728 595-161
KDWHLO9538	6AJ 001 751-021	2 056 767 0	9MX 179 055-001	5 070 007	8JA 002 262-001		
KDWHLO9555	2AA 003 257-001	2 058 979 8	9MX 179 055-001	5 070 007	8JA 002 262-003		
KDWHLO9644	6ZF 003 549-001	2 071 673 9	8SB 179 176-001	5 080 042	8JA 003 526-001		
KDWHLO9647	6EH 004 407-032	2 071 695 4	8SB 179 176-001	5 080 042	8JA 003 526-002		
KDWHLO9651	3AF 003 399-041	2 073 216 8	8JA 003 526-001	5 120 013	8JS 711 685-002		
KDWHLO9652	3AF 003 399-051	2 073 216 8	8JA 003 526-002	5 120 023	8JS 711 689-002		
KDWHLO9667	8JA 001 925-001	2 074 640 1	9HD 179 055-001	5 120 037	8JS 728 595-151		
KDWHLO9671	8ES 006 658-011	2 075 998 4	5WD 005 674-141	5 160 029	2AA 713 628-001		
KDWHLO9680	8JA 001 931-041	2 078 687 4	8WV 115 095-001	5 160 031	8HG 714 504-001		
KSP 925 139	6JF 001 571-041	2 084 143 6	9HD 179 058-001	5 160 032	9HB 713 629-001		
KSP 925 139	6JF 001 571-047	2 084 700 2	8JB 004 777-001	5 160 166	9XT 714 300-011		
KSP 925 139 A	6EJ 001 569-001	2 084 700 2	8JB 004 777-002	5 173 018	6JF 001 571-001		
KSP 955 453	8WB 003 248-001	2 088 091 5	8TW 007 540-231	5 185 011	8SB 002 991-001		
KSP 955 453	8WB 003 248-007	2 088 115 0	9GD 853 490-001	5 230 505	8KX 091 394-001		
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		2 102 331 8	9XL 564 781-002	5 239 704	6HF 001 579-061		
		2 107 076 8	9MX 179 055-001	5 241 022	4DB 003 675-011		
		2 120 331 3	8SB 179 176-001	5 252 000 1	8SB 501 156-031		
		2 129 003 6	8JA 746 184-022	5 120 018	8JS 711 688-002		
		2 132 036 5	9MX 179 055-001	5 162 007 7	6FH 004 570-101		
		2 142 936 4	8JB 001 946-082	5 162 003 8	9XT 714 300-181		
		2 173 860	6LB 005 389-001	5 162 003 9	9XT 714 300-191		
		2 174 440	8BW 003 443-011	5 162 005 2	9XT 713 630-021		
		2 183 880	8BW 003 443-008	5 162 005 7	6GM 004 570-071		
		2 612 573	9EY 120 010-001	5 160 008 4	9XT 713 630-331		
		2 628 194	9MX 560 096-002	5 160 061 8	9XT 713 630-701		
		2 802 124	8BW 003 443-047	52 53 0004	8KA 500 218-002		
		2 806 659	6EJ 001 569-001	52 53 0005	8SB 501 156-021		
		2 808 256	5DS 008 125-001	52 53 0008	1 623 180		
		2 809 869	8JS 711 690-007	52 530 007	1 682 809 4		
		2 809 869	8JS 711 690-002	52 530 009	2 036 269 5		
		2 813 699	4RA 003 530-051	52 560 003	2 041 606 2		
		2 813 702	4RA 003 530-041	589990057400	9BP 561 138-013		
		2 813 702	4RA 003 530-042	589990057840	9BP 561 138-013		
		20001095500	6ZF 003 549-001	5899900578906	6GM 500 212-002		
		20002052550	6HD 002 535-031	5899900578904	9GH 562 803-002		
		20002052551	6HD 002 535-111	589990057910	9XD 563 637-012		
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		20002813702	4RA 003 530-042	6 643 734	8JB 004 123-002		
		20003402621	3BA 002 768-431	6 793 879	8WV 115 095-001		
		20003402621	8JA 002 768-437	6 793 880	8SB 003 978-001		
		20003402661	3BA 002 790-031	6 793 880	8SB 003 978-041		
		20004373211	4DB 001 887-041	668 675	6AJ 001 751-021		
		20004373253	6ZE 001 759-071	672 599	4RA 965 400-001		
		20005173018	6JF 001 571-001	7 030 510 8	8SB 501 311-842		
		20005185011	8SB 002 991-001	7 031 137 8	8SB 501 247-812		
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		20007049692	6DD 001 551-011	7 032 827 4	8SB 501 246-822		
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		20007065760	6DD 001 551-011	7 032 838 7	6EH 004 570-647		
		280 536 3	8JA 002 262-001	7 034 723 2	8JB 001 946-021		
		280 837 9	8JA 002 262-003	7 034 723 2	8JB 001 946-022		
		280 837 9	8SB 004 288-001	7 035 305 6	9BG 562 812-002		
		290 715 6	8SB 004 288-103	7 035 305 7	9BG 562 814-002		
		3 090 737	8SB 004 288-092	7 035 306 0	9HD 562 802-012		
		3 091 756	9MX 564 215-012	7 035 306 5	9GH 562 803-002		
		3 125 765 5	8TG 009 286-001	7 035 308 8	9BG 562 813-002		
		3 125 766 9	8TW 004 223-031	7 035 308 8	9MX 562 846-002		
		3 205 207	8TW 004 418-004	7 035 426 0	6ZF 003 549-001		
		3 344 321	3BA 002 768-427	7 035 426 0	6ZF 003 549-001</		



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Cross-reference

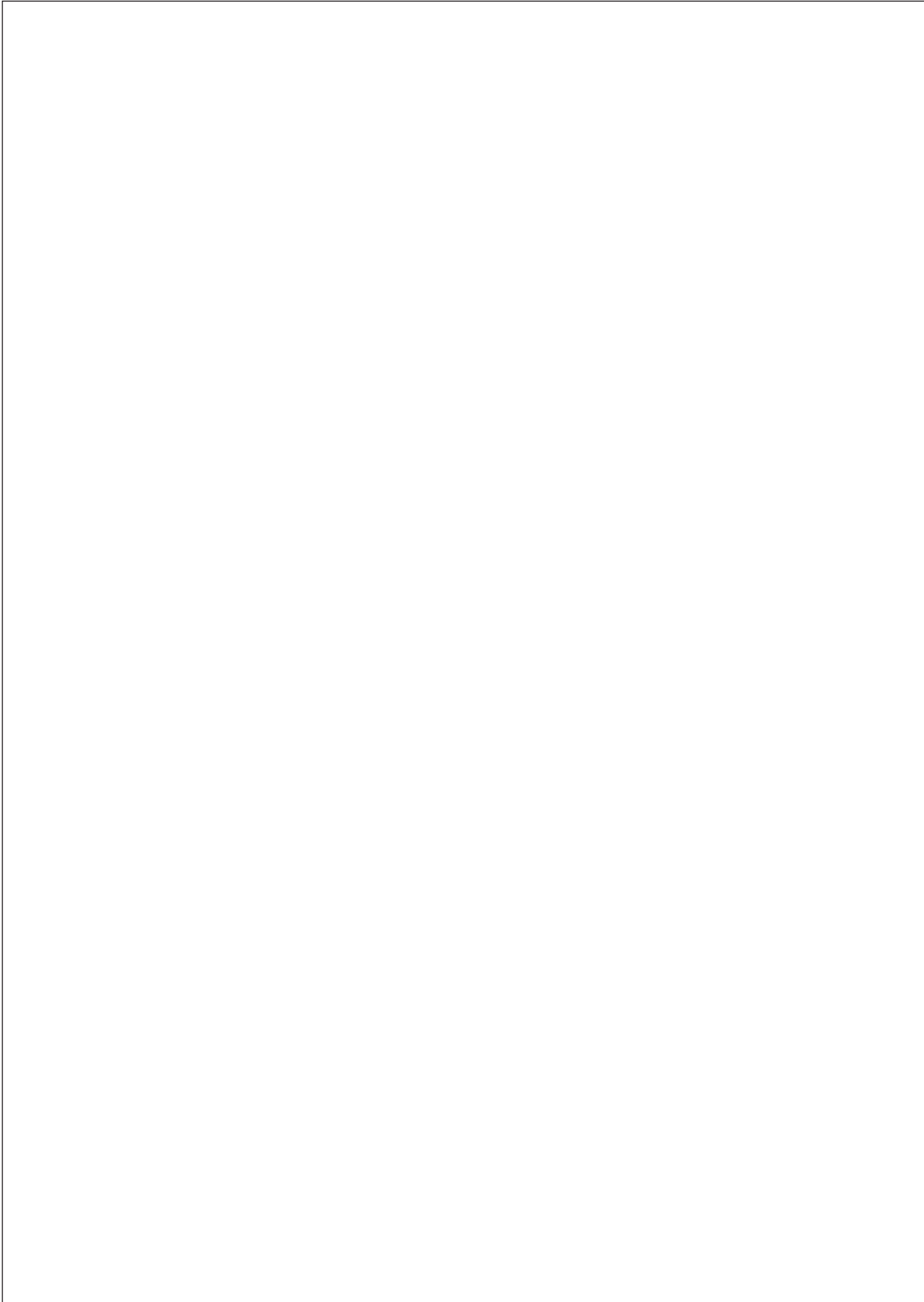
Volvo Trucks	HELLA	Wuerth	HELLA	Wuerth	HELLA	Wuerth	HELLA
7 035 308 5	9BG 562 813-002	0502 151	8HL 717 962-031	0555 103 6	8JA 746 184-062	0558 911 2	8KW 044 277-812
7 035 308 8	9MX 562 846-002	0502 16	8HL 707 877-032	0555 11	8KV 002 135-821	0558 912 2	8KW 744 775-003
7 035 426 0	6ZF 003 549-001	0502 161	8HL 717 962-041	0555 12	8KV 003 124-811	0558 914 4	8KW 744 775-003
7 035 823 0	6ZF 003 549-001	0502 18	8HL 707 877-051	0555 2	8KV 002 132-001	0558 915 4	8KW 044 029-003
7 035 941 9	3PA 004 206-031	0502 181	8HL 717 962-051	0555 4	8KV 002 133-001	0558 916 4	8KW 044 030-003
795 719	8JB 001 941-001	0502 181	8HL 717 962-061	0555 400 01	8JD 743 557-011	0558 916 4	8KW 044 030-004
795 719	8JB 001 941-002	0502 181	8HL 717 962-111	0555 400 1	8JD 743 557-041	0558 917 4	8KW 044 031-003
795 720	8JA 001 918-002	0502 72	8HL 717 964-001	0555 400 2	8JD 743 557-051	0558 918 4	8KW 044 038-003
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VOE15210112	3AL 922 200-617	0510 17	8KX 707 913-011	0555 401 4	8JD 743 708-001	0558 925 1	8KW 044 280-811
VOE15411368	5HE 996 152-127	0510 18	8KX 707 913-001	0555 401 5	8JD 743 708-001	0558 926 2	8KW 044 033-002
Webasto	HELLA	0510 920 06	8KX 707 918-011	0555 516 1	8KW 732 579-003	0558 926 2	8KW 044 033-004
15760A	4RA 003 530-051	0510 962 032	8KV 003 284-001	0555 516 2	8KW 732 580-003	0558 926 2	8KW 044 033-812
176265	8KV 002 135-821	0538 008 16	8HK 748 452-002	0555 557	8KW 732 581-003	0558 927 4	8KW 044 034-003
324655	8JD 002 291-001	0538 008 16	8HK 748 452-012	0555 557	8KV 705 123-004	0558 928	8KW 044 034-811
65418A	4RD 933 332-071	0538 012 22	8HK 748 452-022	0555 557	8KV 705 123-811	0558 940 2	8KW 043 636-003
65418B	4RD 007 903-021	0538 016 27	8HK 748 452-032	0555 557	8KV 705 123-003	0558 942 2	8KW 044 024-003
65418B	4RD 007 903-027	0538 020 32	8HK 748 452-042	0555 562	8KV 715 923-003	0558 941 4	8KW 700 142-003
66577A	6RH 007 832-331	0538 025 40	8HK 748 452-052	0555 624	8KV 712 169-003	0558 944 1	8KW 702 796-003
66578A	6EH 007 832-001	0538 032 50	8HK 748 452-062	0555 624	8KV 002 127-003	0558 944 1	8KW 702 796-811
66579A	9XT 713 630-531	0538 16 27	8HK 710 702-101	0555 624	8KV 002 127-801	0558 945 2	8KW 044 288-003
66580A	9XT 714 300-101	0538 35 50	8HK 710 702-111	0555 624	8KV 002 136-001	0558 945 2	8KW 044 288-812
66985A	6FH 007 832-101	0538 40 60	8HK 710 702-131	0555 625	8KV 002 127-011	0558 945 4	8KW 744 700-003
66986A	9XT 713 630-291	0538 50 70	8HK 710 702-141	0555 625	8KV 002 127-021	0558 946 1	8KW 044 040-003
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70817A	9FF 713 627-001	0538 90 110	8HK 710 702-161	0555 902 1	8KW 732 570-003	0558 947 1	8KW 044 040-004
70818A	9FF 713 627-011	0539 532 60	8HK 710 702-191	0555 905 1	8KW 732 572-003	0558 947 1	8KW 045 145-003
9000916A	8HG 716 734-001	0539 112 22	8HK 713 820-061	0555 905 2	8KW 732 566-003	0558 947 1	8KW 045 145-812
9000917A	8HG 716 735-001	0539 116 27	8HK 713 820-011	0555 905 4	8KW 732 567-003	0558 948 2	8KW 044 025-003
9000934A	6FH 007 832-161	0539 120 32	8HK 713 820-031	0555 908 2	8KW 732 571-003	0558 948 2	8KW 044 025-812
9000934A	6GM 007 832-261	0539 125 40	8HK 713 820-041	0555 909 2	8KW 732 573-003	0558 949 2	8KW 044 026-003
9000935A	9XT 713 630-211	0539 132 50	8HK 713 820-051	0555 910 2	8KW 732 575-003	0558 949 2	8KW 044 026-812
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10 485 007	8JA 715 606-001	0539 150 70	8HK 713 820-071	0555 912 2	8KW 744 754-003	0558 955 82	8KW 744 837-002
10 485 008	8JA 003 526-002	0539 160 80	8HK 713 820-081	0555 915 4	8KW 732 574-003	0558 958	8KW 700 144-003
13 132 030	4RV 008 188-001	0539 170 90	8HK 713 820-091	0555 916 4	8KW 732 576-003	0558 960 1	8KW 705 393-003
13 132 032	4RV 008 188-021	0539 18 16	8HK 713 820-101	0555 917 4	8KW 732 578-003	0558 960 1	8KW 705 393-812
13 132 033	4RV 008 188-031	0539 180 100	8HK 713 820-111	0555 918 4	8KW 744 755-003	0558 961	8KW 744 733-003
13 132 034	4RV 008 188-041	0539 508 12	8HK 713 820-001	0555 944 1	8KW 732 568-003	0558 962	8KW 744 734-003
13 132 035	4RV 008 188-051	0539 508 12	8HK 748 452-002	0555 945 1	8KW 732 569-003	0558 975 1	8KW 744 699-003
13 132 036	4RV 008 188-061	0539 510 16	8HK 713 820-001	0555 951 1	8KW 744 703-003	0558 976 1	8KW 705 392-003
13 132 037	4RV 008 188-071	0539 510 16	8HK 748 452-012	0555 952 1	8KW 744 704-003	0558 976 1	8KW 705 392-812
13 405 101	4RD 933 319-011	0539 512 20	8HK 713 820-011	0555 953 1	8KW 744 705-003	0558 976 2	8KW 744 697-003
13 405 101	4RD 933 319-017	0539 516 25	8HK 713 820-021	0555 953 2	8KW 744 757-003	0558 977 2	8KW 744 698-003
13 731 048	4RV 008 188-101	0539 516 25	8HK 748 452-022	0555 954 2	8KW 744 758-003	0558 990 1	8KW 054 948-003
13 735 052	4RV 008 188-101	0539 516 25	8HK 748 452-032	0555 972	8KV 714 340-002	0558 990 1	8KW 863 918-003
13 905 212	4DB 009 123-041	0539 520 32	8HK 713 820-031	0555 973	8JA 007 024-001	0558 990 2	8KW 054 947-003
20 200 000	4RA 007 793-031	0539 520 32	8HK 748 452-042	0555 973	8JD 005 235-002	0558 990 4	8KW 054 947-013
20 201 000	4RD 007 794-021	0539 525 40	8HK 713 820-041	0555 973	8JD 005 235-801	0558 990 7	8KW 744 864-003
20 201 100	4RD 007 794-031	0539 532 50	8HK 748 452-052	0555 974	8JD 743 557-031	0558 991 0	8KW 054 947-003
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20 401 100	4RD 007 903-011	0539 550 70	8HK 713 820-071	0556 61	8KV 002 139-001	0558 991 7	8KW 701 235-033
22 200 030	4RA 007 957-001	0539 560 80	8HK 713 820-081	0557 000 50	8KW 744 839-003	0558 991 8	8KW 048 056-033
50 205 003	4RP 008 189-051	0539 560 80	8HK 748 452-082	0557 001 75	8KW 744 840-003	0558 992 5	8KW 744 825-003
50 205 603	4RP 008 189-051	0539 570 90	8HK 713 820-091	0557 001 50	8KW 744 841-003	0558 992 8	8KW 744 820-003
51 216 002	4RV 008 188-161	0542 10 12	8HK 748 452-092	0557 004 00	8KW 744 842-003	0558 993 5	8KW 744 833-003
51 216 003	4RV 008 188-161	0542 10 15	8HS 749 192-022	0557 004 00	8KW 744 844-003	0558 994 1	8KW 744 821-003
51 223 909	4RP 008 189-041	0542 12 12	8HS 749 193-022	0557 006 00	8KW 744 845-003	0558 996 0	8KW 744 832-003
51 233 001	4RV 008 188-171	0542 12 15	8HS 749 192-032	0557 010 00	8KW 744 846-003	0558 996 7	8KW 863 926-003
51 233 011	4RV 008 188-191	0542 15 15	8HS 749 193-032	0557 000 251	8KW 744 843-003	0558 996 81	8KW 054 946-003
51 299 002	4RV 008 188-191	0542 15 15	8HS 749 193-042	0558 190 11	8KW 863 927-033	0558 996 9	8KW 863 926-013
51 299 003	4RV 008 188-191	0542 18 15	8HS 749 193-052	0558 190 18	8KW 863 934-013	0558 997 2	8KW 863 925-003
51 299 004	4RV 008 188-271	0542 18 20	8HS 749 194-002	0558 190 18	8KW 863 927-003	0558 997 35	8KW 863 951-013
51 299 004	4RV 008 188-281	0542 20 15	8HS 749 193-062	0558 190 19	8KW 863 928-003	0558 997 7	8KW 054 948-013
51 299 006	4RV 008 188-271	0542 20 15	8HS 749 194-012	0558 190 82	8KW 863 930-003	0558 997 7	8KW 863 918-013
53 007 006	4DZ 004 019-021	0542 20 20	8HS 749 193-082	0558 190 83	8KW 863 930-013	0558 997 7	8PE 002 007-011
53 414 501	4DZ 002 834-162	0542 25 20	8HS 749 194-022	0558 192 102	8KW 863 931-003	0558 997 7	8PE 002 006-001
54 201 102	4DB 001 887-041	0542 6 12	8HS 749 192-002	0558 193 5	8KW 044 285-023	0558 997 7	8PE 002 007-001
54 201 103	4DM 003 360-021	0542 6 15	8HS 749 193-002	0558 450 40	8KW 043 630-013	0558 998 0	8JS 089 015-003
54 201 108	4DM 003 460-021	0542 8 12	8HS 749 192-012	0558 450 40	8KW 043 630-014	0558 998 1	8JS 089 015-801
54 201 136	4DB 007 218-001	0542 8 15	8HS 749 193-012	0558 501 9	8KW 744 823-003	0558 998 1	8JS 091 603-003
54 201 152	4DM 005 698-021	0549 216 25	8HK 748 453-102	0558 504 0	8KW 043 629-013	0558 998 1	8JS 091 603-801
54 201 153	4DM 005 698-031	0549 216 27	8HK 748 453-102	0558 514 3	8KW 701 671-003	0558 998 1	8JS 713 144-003
54 220 002	4DB 008 716-041	0549 220 32	8HK 748 453-112	0558 514 4	8KW 744 752-003	0558 998 1	8JS 704 073-003
54 401 101	4DB 003 675-011	0549 232 50	8HK 748 453-132	0558 526 6	8KW 744 787-003	0558 998 1	8JS 704 073-801
54 401 102	4DB 009 123-031	0549 235 50	8HK 748 453-132	0558 900 1	8KW 044 275-003	0558 998 1	8JS 025 889-003
54 407 006	4DM 003 944-091	0549 240 60	8HK 748 453-142	0558 901 1	8KW 044 276-003	0558 998 1	8JS 025 889-801
54 407 008	4DW 003 944-071	0549 250 70	8HK 748 453-152	0558 901 1	8KW 044 276-004	0558 998 1	8JS 711 683-011
54 407 010	4DN 009 124-011	0549 260 80	8HK 748 453-162	0558 901 1	8KW 044 276-812	0558 998 1	8JS 711 683-831
54 408 006	4DM 003 944-081	0549 270 90	8HK 748 453-192	0558 902 1	8KW 044 291-003	0558 998 1	8JS 711 683-021
54 414 504	4DW 002 834-121	0549 290 110	8HK 748 453-192	0558 903 1	8KW 744 772-003	0558 998 1	8JS 711 683-841
58 207 001	4JA 009 126-011	0554 401 3	8JD 743 708-001	0558 904 1	8KW 744 773-003	0558 998 1	8JS 711 683-002
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21204	4RA 965 400-001	0555 100 11	8JD 008 151-001	0558 905 1	8KW 044 036-003	0558 998 1	8JS 711 684-002
31560	4DM 003 944-091	0555 100 2	8JD 008 152-011	0558 905 1	8KW 044 036-004	0558 998 1	8JS 711 684-821
31561	4DW 003 944						

Manufacturer's no. / HELLA no.

Cross-reference



Wuerth	HELLA	Wuerth	HELLA	Wuerth	HELLA
0731 201 20	8JS 740 026-001	0770 117	8KL 715 434-001	731 301 60	8JS 728 595-171
0731 201 30	8JS 740 026-011	0770 118	8KL 712 997-001	731 301 70	8JS 728 595-101
0731 201 40	8JS 740 026-021	0770 118 0	8KL 715 435-001	731 301 70	8JS 728 595-181
0731 201 50	8JS 740 026-031	0770 118 005	8KL 712 996-001	731 301 80	8JS 728 595-111
0731 201 60	8JS 740 026-041	0770 118 6	8KL 715 437-001	731 301 80	8JS 728 595-191
0731 202 20	8JS 740 026-401	0770 119	8KL 712 995-001	731 400 04	8JS 728 596-801
0731 202 30	8JS 740 026-411	0770 121	8KL 712 986-001	731 400 05	8JS 728 596-811
0731 202 40	8JS 740 026-421	0770 122	8KL 712 991-001	731 400 10	8JS 728 596-821
0731 202 50	8JS 740 026-431	0770 123	8KL 713 735-001	731 400 15	8JS 728 596-831
0731 202 60	8JS 740 026-441	0771 003 200	9MJ 008 039-001	731 400 20	8JS 728 596-841
0731 203 20	8JS 740 026-731	0771 006 400	9MJ 008 039-021	731 400 30	8JS 728 596-851
0731 203 25	8JS 740 026-741	0771 012 700	9MJ 008 039-041	731 403	8JS 711 683-002
0731 203 30	8JS 740 026-751	0771 023 400	9MJ 008 039-061	731 405	8JS 711 684-002
0731 203 40	8JS 740 026-761	0964 555 2	8KW 009 253-801	731 407 5	8JS 711 685-002
0731 203 50	8JS 740 026-771	0967 401 053	8KW 744 777-003	731 410	8JS 711 686-002
0731 203 60	8JS 740 026-781	0967 401 054	8KW 744 778-003	731 415	8JS 711 687-002
0731 300 02	8JS 728 596-081	0967 401 055	8KW 744 779-003	731 420	8JS 711 688-002
0731 300 02	8JS 728 596-861	0967 401 056	8KW 744 780-003	731 425	8JS 711 689-002
0731 300 03	8JS 728 596-101	0967 401 154	8KW 744 782-003	731 430	8JS 711 690-002
0731 300 03	8JS 728 596-881	0967 401 155	8KW 044 282-003	K01812-1	8JB 001 946-072
0731 300 04	8JS 728 596-121	0967 401 156	8KW 744 783-003	X00390	4DW 003 944-071
0731 300 04	8JS 728 596-801	0967 401 405	8KW 744 784-003	X00391	4RD 007 903-001
0731 300 05	8JS 728 596-131	0967 401 406	8KW 744 785-003	X00391	4RD 007 903-007
0731 300 05	8JS 728 596-811	0967 401 408	8KW 744 786-003	X00391	4RD 933 332-071
0731 300 075	8JS 728 596-111	0967 402 05	8KW 744 769-003	X00455	4DM 003 360-021
0731 300 075	8JS 728 596-891	0967 402 15	8KW 744 770-003	X00455	4DM 003 360-027
0731 300 10	8JS 728 596-141	0967 402 40	8KW 744 771-003	X00458	4RD 965 400-027
0731 300 10	8JS 728 596-821	0967 601 3	8KW 744 708-003	X00780	5WD 005 674-141
0731 300 15	8JS 728 596-151	0967 602 4	8KW 744 709-003	X01184	6EK 001 559-001
0731 300 15	8JS 728 596-831	0967 602 5	8KW 744 710-003	X01184	6EK 001 559-007
0731 300 20	8JS 728 596-161	0967 602 6	8KW 744 711-003	X01225	4RA 933 332-101
0731 300 20	8JS 728 596-841	0967 606 4	8KW 744 712-003	X01225	4RA 933 332-107
0731 300 25	8JS 728 596-091	0967 606 5	8KW 744 713-003	X01245	4RD 933 319-017
0731 300 25	8JS 728 596-871	0967 606 6	8KW 744 714-003	X01521	4RD 007 794-077
0731 300 30	8JS 728 596-171	0967 606 8	8KW 744 715-003	X01522	4RD 007 814-011
0731 300 30	8JS 728 596-851	0967 610 10	8KW 744 719-003	X01522	4RD 007 814-017
0731 302 02	8JS 728 596-262	0967 610 5	8KW 744 716-003	X01547	6LB 005 389-001
0731 302 03	8JS 728 596-272	0967 610 6	8KW 744 717-003	X01602	4RA 007 793-031
0731 302 04	8JS 728 596-282	0967 610 8	8KW 744 718-003	X01602	4RA 007 793-037
0731 302 05	8JS 728 596-292	0967 612 012	8KW 746 782-003	X01647	4DB 003 750-711
0731 302 07	8JS 728 596-302	0967 616 10	8KW 744 723-003	X01647	4DB 003 750-717
0731 302 10	8JS 728 596-312	0967 616 5	8KW 744 720-003	X01769	5WG 002 450-311
0731 302 15	8JS 728 596-322	0967 616 6	8KW 744 721-003	X01769	5WG 002 450-317
0731 302 20	8JS 728 596-332	0967 616 8	8KW 744 722-003	X02013	4DM 003 360-021
0731 302 25	8JS 728 596-342	0967 625 10	8KW 744 726-003	X02013	4DM 003 360-027
0731 302 30	8JS 728 596-352	0967 625 6	8KW 744 724-003	X02020	4RA 933 791-061
0731 309 001	8JD 743 136-001	0967 625 8	8KW 744 725-003	X02021	4RA 007 957-001
0731 309 001	8JD 743 136-007	0967 635 10	8KW 744 729-003	X02030	4RA 007 791-011
0731 309 040	8JS 742 901-001	0967 635 6	8KW 744 727-003	X02255	4DW 004 513-021
0731 309 050	8JS 742 901-011	0967 635 8	8KW 744 728-003	X02274	4RD 933 332-091
0731 309 060	8JS 742 901-021	0967 650 10	8KW 744 731-003	X02350	4DW 003 944-071
0731 309 080	8JS 742 901-041	0967 650 12	8KW 744 732-003	X02351	4DM 004 639-061
0731 309 100	8JS 742 901-051	0967 650 8	8KW 744 730-003	X02351	4DM 004 639-067
0731 310 001	8JD 743 135-001	0967 670 10	8KW 746 779-003	X02417	4RD 007 903-027
0731 310 100	8JS 742 902-001	0967 670 12	8KW 746 783-003	X02437	5WG 002 450-301
0731 310 125	8JS 742 902-011	0967 670 8	8KW 746 778-003	X02438	4RD 933 332-067
0731 310 150	8JS 742 902-021	0967 695 10	8KW 746 780-003	X02599	5WG 003 620-087
0731 310 175	8JS 742 902-031	0967 695 12	8KW 746 781-003	X02654	4AZ 001 879-041
0731 310 200	8JS 742 902-041	0985 030 160	9XX 734 570-001	X02689	4RD 933 319-007
0731 310 225	8JS 742 902-061	0985 077 1	9MJ 735 430-001	X02707	4DM 004 639-061
0731 310 250	8JS 742 902-051	0985 101	9MJ 707 869-003	X02991	4RD 965 400-027
0731 310 300	8JS 742 902-071	0985 101	9MJ 707 869-013		
0731 400 1	8PE 713 576-011	0985 101	9MJ 707 869-852		
0731 400 1	8PE 713 576-021	0985 102	9MJ 707 870-013		
0770 075	8KL 054 001-002	0985 103	9MJ 707 874-013		
0770 075 1	8KL 054 005-002	0985 105	9MJ 707 875-013		
0770 075 2	8KL 054 006-002	0985 107	9MJ 707 871-013		
0770 075 3	8KL 054 003-002	0985 109	9MJ 707 872-003		
0770 075 4	8KL 054 004-002	0985 109 1	9MJ 707 873-013		
0770 075 42	8KL 054 002-002	0991622999090	8KW 044 034-003		
0770 075 9	8KL 054 007-002	0991623006090	8KW 043 629-013		
0770 090 1	8KL 054 012-002	0991623009090	8KW 043 636-003		
0770 090 2	8KL 054 013-002	0991623020090	8KW 044 277-003		
0770 090 3	8KL 054 010-002	0991623024090	8KW 043 630-013		
0770 090 4	8KL 054 011-002	0991779028090	8JB 001 943-003		
0770 090 9	8KL 054 014-002	0991779030090	9GD 735 641-001		
0770 091 0	8KL 054 009-002	0991781823090	8KV 705 123-002		
0770 10	8KL 054 008-002	510 950 0	8KA 007 648-011		
0770 100	8KL 712 943-002	510 950 115	8JA 007 644-041		
0770 101	8KL 712 948-002	510 950 166	8JB 007 645-021		
0770 102	8KL 712 949-002	510 950 2	8KA 007 648-001		
0770 103	8KL 712 945-002	510 950 205	8JA 007 241-031		
0770 104	8KL 712 947-002	510 950 255	8JB 007 242-021		
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0770 106	8KL 712 957-002	558 190 13	8KW 863 933-003		
0770 108	8KL 712 954-002	558 190 14	8KW 863 932-003		
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0770 109 1	8KL 712 955-002	558 991 15	8KW 863 934-003		
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0770 109 9	8KL 712 959-002	558 997 3	8KW 863 925-013		
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0770 110 0	8KL 712 962-002	731 004	8JS 711 683-881		
0770 111	8KL 712 964-001	731 035	8JS 711 683-042		
0770 111 0	8KL 712 965-001	731 035	8JS 711 683-871		
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0770 111 2	8KL 712 967-001	731 040	8JS 711 683-851		
0770 111 21	8KL 712 968-001	731 301 20	8JS 728 595-051		
0770 111 3	8KL 712 969-001	731 301 20	8JS 728 595-131		
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0770 113	8KL 712 971-001	731 301 30	8JS 728 595-141		
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0770 114 12	8KL 712 984-001	731 301 40	8JS 728 595-151		
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0770 116	8KL 712 993-001	731 301 50	8JS 728 595-161		
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e1 01*14099	9EY 122 979-001	6.21	e1 0370	8SB 501 246-892	6.45	E1 0463	8SB 507 044-011	6.26
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e1 0104	8SB 501 403-802	6.53	E1 0370	8SB 501 247-792	6.46	e1 0472	8SB 501 325-012	6.31
e1 0104	8SB 501 403-822	6.53	e1 0370	8SB 501 247-803	6.47	E1 0472	8SB 501 325-012	6.31
e1 0108	8SB 501 401-802	6.53	E1 0370	8SB 501 247-803	6.47	E1 0472	8SB 501 325-032	6.31
e1 0108	8SB 501 401-822	6.53	e1 0370	8SB 501 247-812	6.46	e1 0472	8SB 501 325-032	6.31
e1 0109	8SB 507 060-001	6.28	E1 0370	8SB 501 247-812	6.46	E1 0498	8SB 501 358-002	6.25
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8SB 501 403-822	E1 0934	6.53	9MX 563 709-012	e1 02*0498	6.25			
8SB 507 041-011	e1 14082	6.58	9MX 563 710-012	E1 01 0499	6.25			
8SB 507 041-011	E1 14082	6.58	9MX 563 710-012	e1 02*0499	6.25			
8SB 507 042-001	E1 0384	6.24	9MX 563 716-032	E1 01 0498	6.25			
8SB 507 042-001	e1 0384	6.24	9MX 563 716-032	e1 02*0498	6.25			
8SB 507 042-001	e1 0418	6.24	9MX 563 717-032	E1 01 0499	6.25			
8SB 507 042-001	E1 0418	6.24	9MX 563 717-032	e1 02*0499	6.25			
8SB 507 042-011	e1 0384	6.24	9MX 564 234-001	E1 01 0463	6.26			
8SB 507 042-011	E1 0384	6.24	9MX 564 234-001	e1 02*0463	6.26			
8SB 507 042-011	e1 0418	6.24	9MX 564 235-001	E1 01 0462	6.27			
8SB 507 042-011	E1 0418	6.24	9MX 564 235-001	E1 01 0505	6.27			
8SB 507 043-001	e1 0384	6.24	9MX 564 235-001	e1 02*0462	6.27			
8SB 507 043-001	E1 0384	6.24	9MX 564 235-001	e1 02*0505	6.27			
8SB 507 043-001	e1 0418	6.24						
8SB 507 043-001	E1 0418	6.24						
8SB 507 043-011	e1 0384	6.24						
8SB 507 043-011	E1 0384	6.24						
8SB 507 043-011	e1 0418	6.24						
8SB 507 043-011	E1 10418	6.24						
8SB 507 044-001	e1 0463	6.26						
8SB 507 044-001	E1 0463	6.26						
8SB 507 044-011	e1 0463	6.26						

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