PDF file is listed as follows:

Units with external cabinet:
DV 10-40 are placed on top of the unit.
DV 50-240 are placed on front of the unit

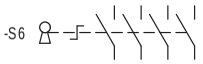
Units with internal cabinet:
Cabinet is always inside the unit.

Component options are mark with **

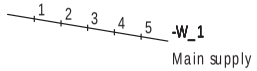
supplier:

Systemair A/S, Denmark
Ved Milepælen 7
8361 Hasselager

Symbols are according to IEC 60617.
On the following 2 pages there are descriptions of used symbols in the project.

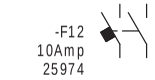


Switchgear, 4 pole

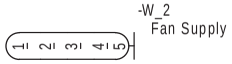


Cable

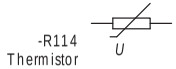
Automatic tripping, 3-pole



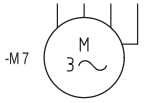
Automatic tripping, 2-pole



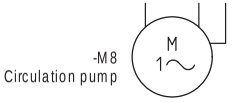
Shielded cable



Thermistor

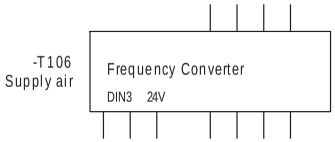


Motor three phase + PE



Cirkulation pump

Wire Colour code			
Black	BK	Violet	VT
Brown	BN	Gray	GY
Red	RD	White	WH
Yellow	YE	Pink	PK
Green	GN	Transparent	TP
Blue	BU	Green/Yellow	PE

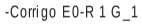


Frequency converter

References

Terminal

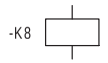
Lamp



Info text

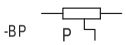
systemair		General Description Symbols	Project: DV Control system - ver. 03.01 GB	Function decription:	Sheet: 2	Next sheet: 3
			Date: 19-09-2017	Rev.:	Init.: MIKE	Drawing no.: DV Control system - Gen 3	Total sheets: 5

Symbols are according to IEC 60617.
These pages are descriptions of used symbols in the project.

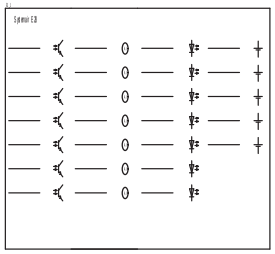


Relay

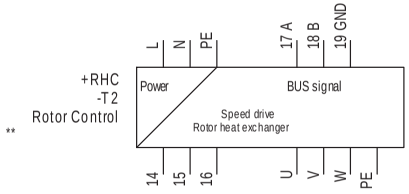
Relay contacts, normaly open



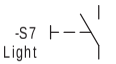
Pressure



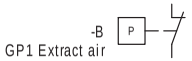
Corrigo E283



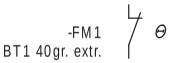
Rotary heat exchanger



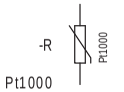
Switchgear



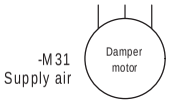
Switchgear



fireguard



Temperature (measuring)



Damper motor

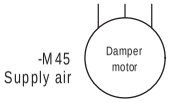
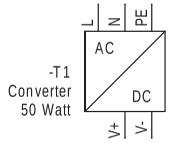


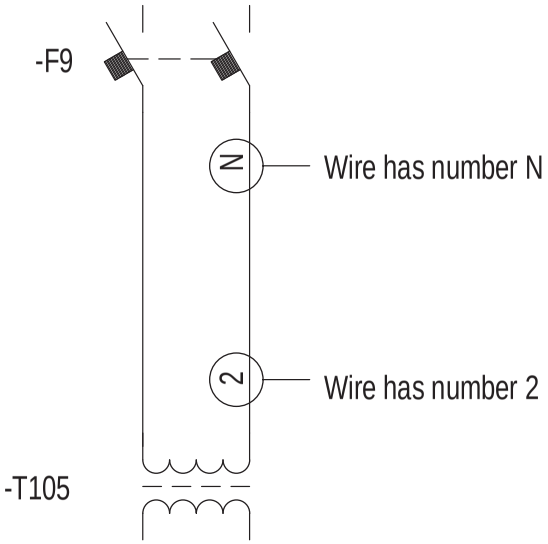
Plate exchanger dampermotor



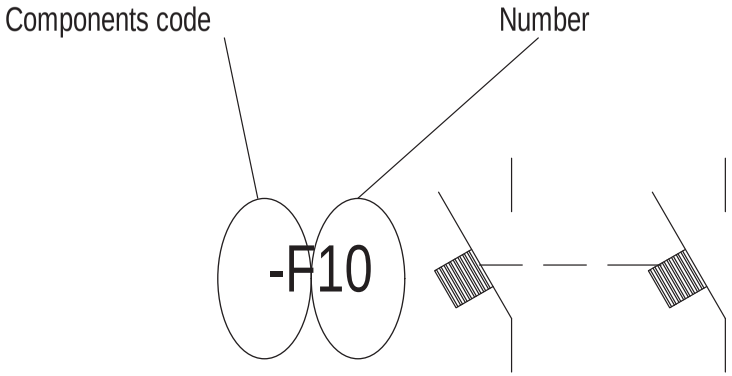
DC Powersupply

systemair		General Description Symbols	Project: DV Control system - ver. 03.01 GB		Function decription:	Sheet: 3	Next sheet: 4
			Date: 19-09-2017	Rev.:	Init.: MIKE	Drawing no.: DV Control system - Gen 3	Total sheets: 5

Labeling of wires
Cables are marked with
terminal name



Components are marked with component codes
followed by a number according to IEC 61346-1 Chart 1



systemair		General Description Wires	Project: DV Control system - ver. 03.01 GB		Function decription:	Sheet: 4	Next sheet: 5
			Date: 19-09-2017	Rev.:	Init.: MIKE	Drawing no.: DV Control system - Gen 3	Total sheets: 5

Component codes used
in the project

S = switchgear
F = automatic tripping
M = pump / Damper motor / valve motor
BT = temperature sensors
T = VLT Converter / transformer
E = lamps
C = controller
FM = fire guard / pressure guard / pressure transducer

W = cables
K = relay coils
X = terminal
U = cabinet

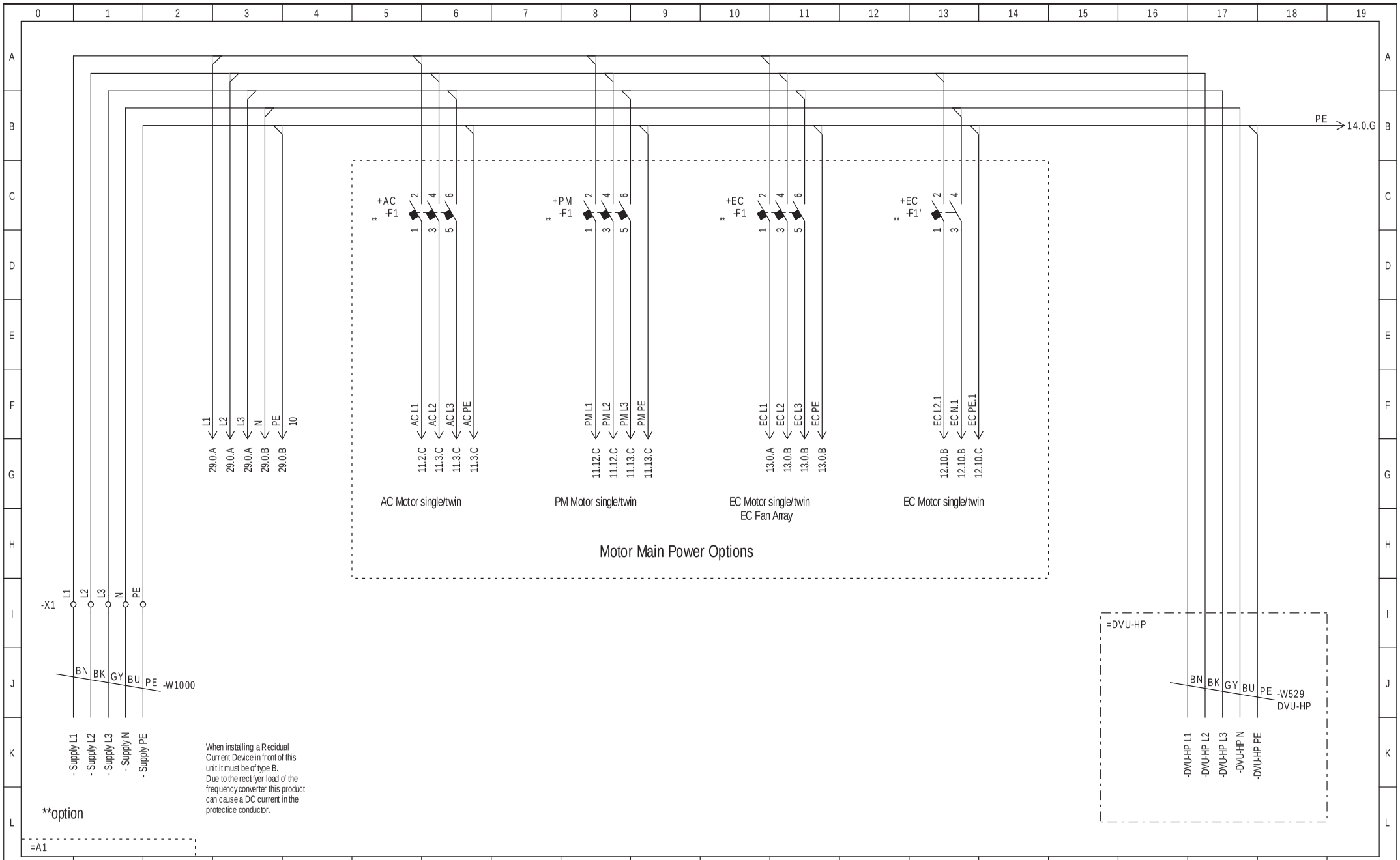
Data for the unit

Max load look in order paper

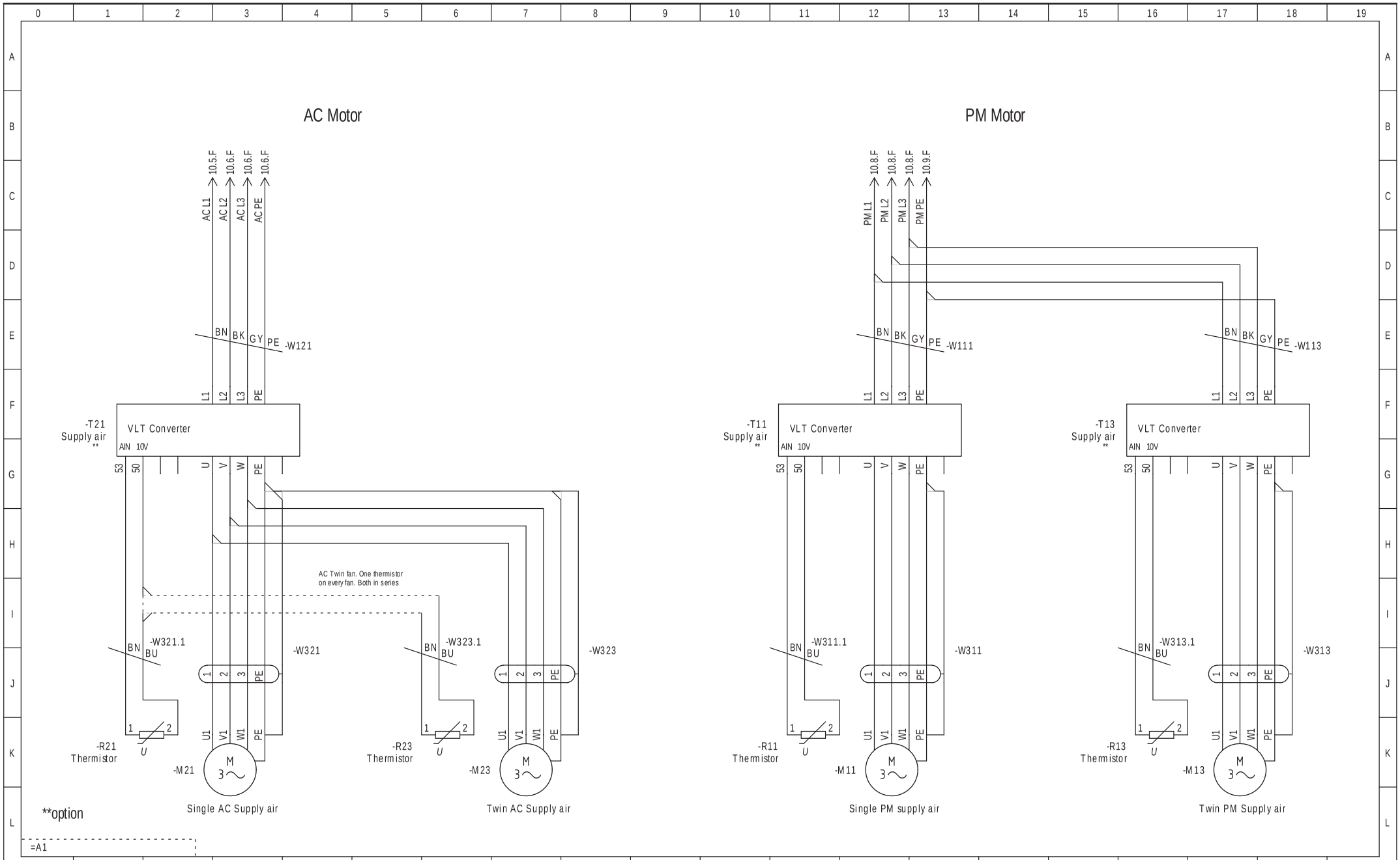
Max pre-fuse look in order paper

Ik max. 10kAmp

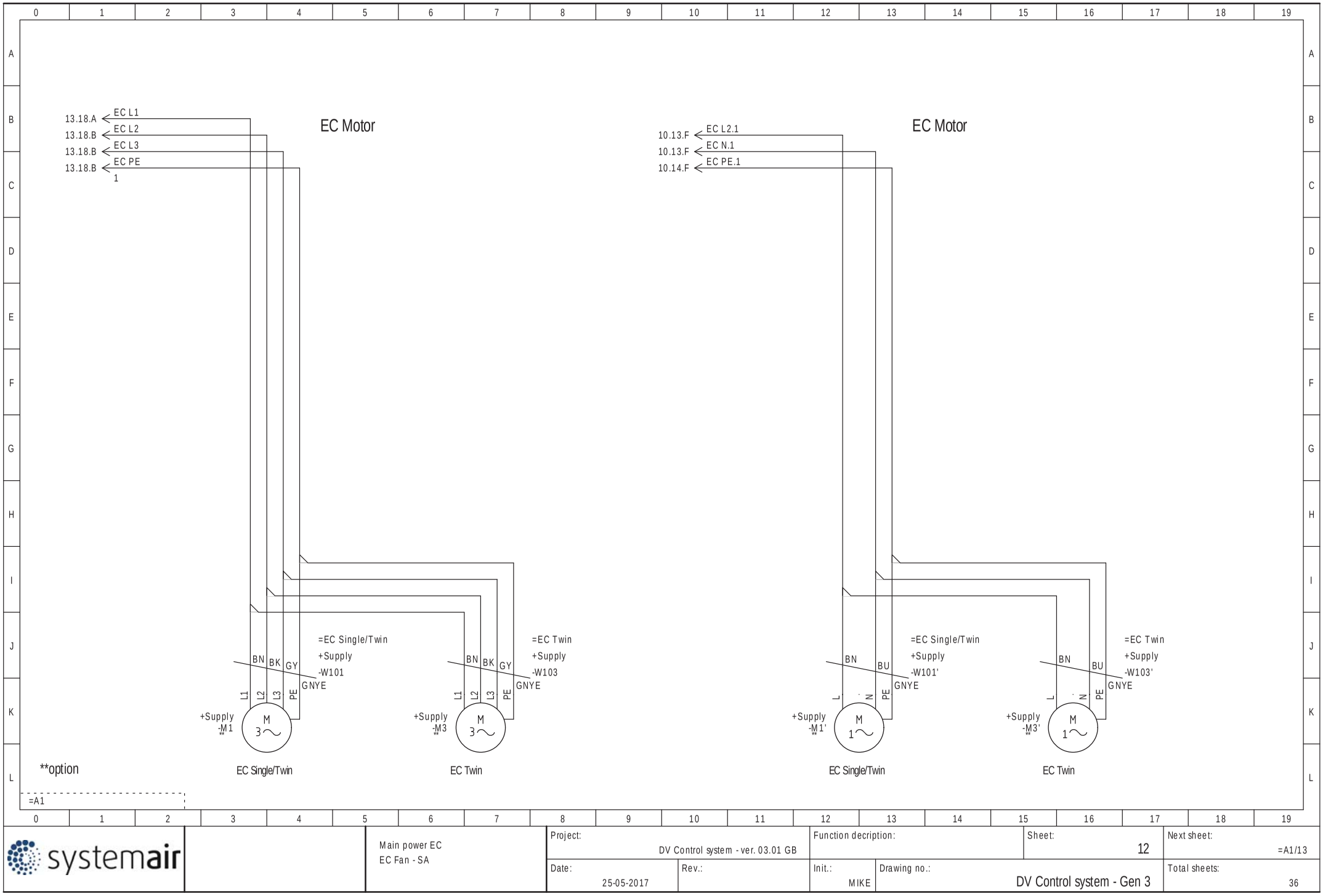
RCD type B



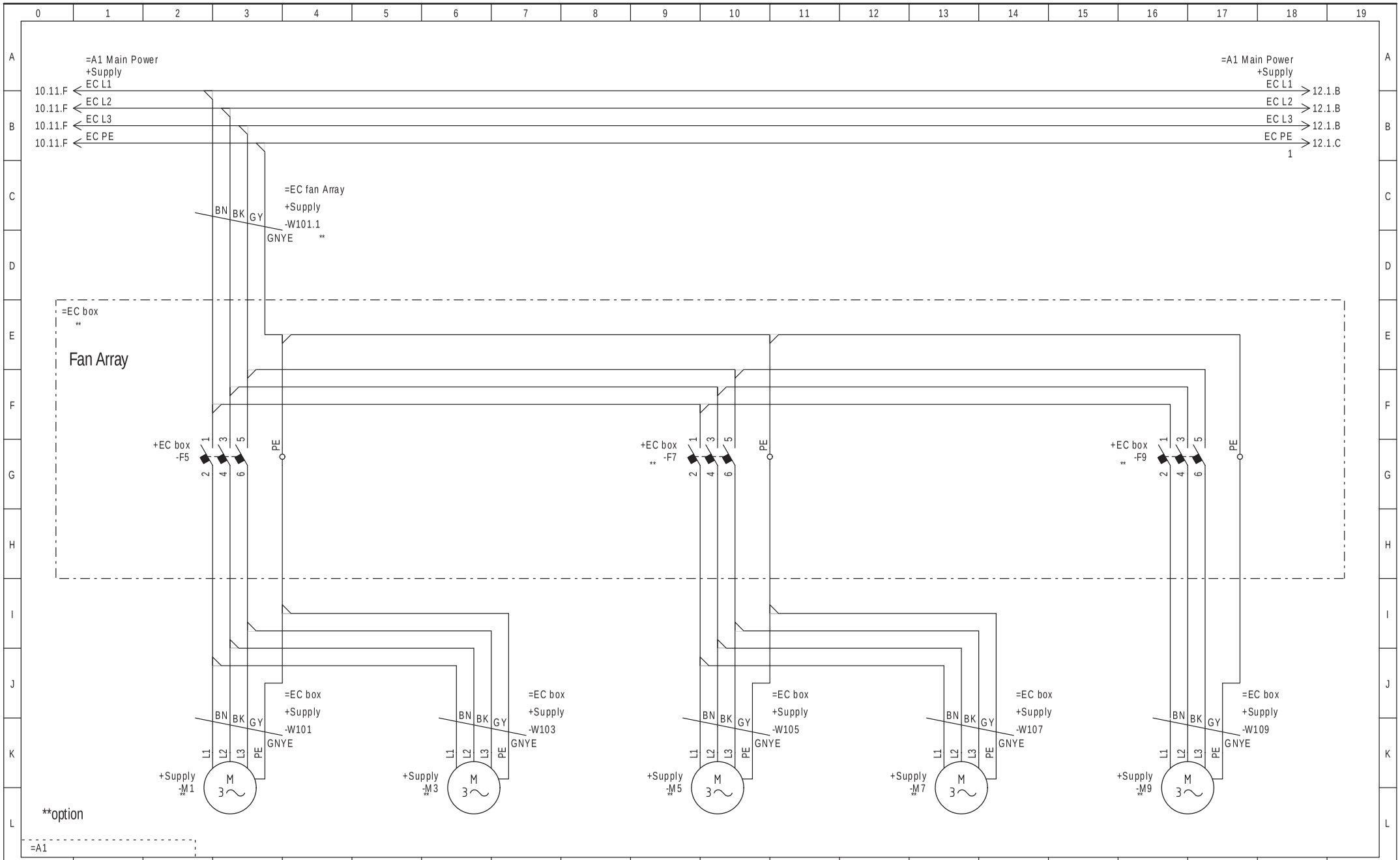
systemair		Main power Motor Supply	Project: DV Control system - ver. 03.01 GB	Version.: 03.00	Function decription:	Sheet: 10	Next sheet: =A1/11		
			Create Date: 25-05-2017	Rev Date.: 20-10-2017	Rev No.:	Init.: MIKE	Drawing no.: DV Control system - Gen 3	Total sheets: 36	



systemair		Main power AC/PM VLT - SA	Project: DV Control system - ver. 03.01 GB	Version.: 03.00	Function decription:	Sheet: 11	Next sheet: =A1/12	
			Create Date: 25-05-2017	Rev Date.:	Rev No.:	Init.: MIKE	Drawing no.: DV Control system - Gen 3	Total sheets: 36



systemair		Main power EC EC Fan - SA	Project: DV Control system - ver. 03.01 GB	Function decription:	Sheet: 12	Next sheet: =A1/13	
			Date: 25-05-2017	Rev.:	Init.: MIKE	Drawing no.: DV Control system - Gen 3	Total sheets: 36



systemair		Main power EC EC Fan - SA	Project: DV Control system - ver. 03.01 GB		Function decription:	Sheet: 13	Next sheet: =A1/14	
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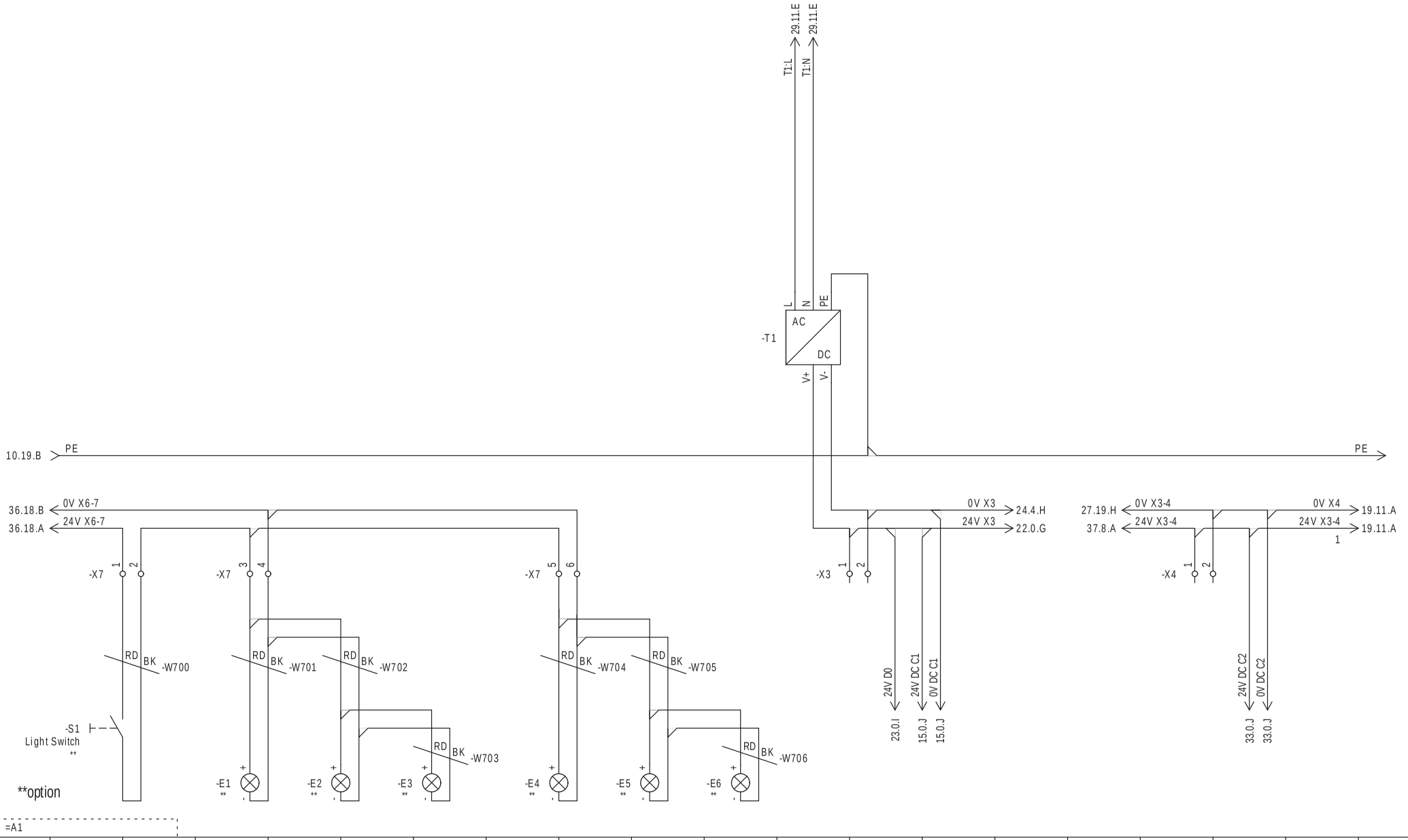


systemair		24V DC Light	Project: DV Control system - ver. 03.01 GB		Version.: 03.00	Function decription:	Sheet: 14	Next sheet: =A1/15	
			Create Date: 25-05-2017	Rev Date.:	Rev No.:	Init.: MIKE	Drawing no.: DV Control system - Gen 3	Total sheets: 36	

-C1

Master controller

SystemAir A/S

Corrigo E283

DI1:71 19.1.H DI1 Reduced speed		AI1:31 21.3.I AI1 Temperature sensor Supply air	AI	DO1:11 23.2.D DO1 Fire damper		AO1:91 26.8.D AO1 Pre-heater Capacity	
DI2:72 19.4.H DI2 Normal speed start unit		AI2:32 21.7.I AI2 Temperature sensor Frost protection Y1	AI	DO2:12 23.4.D DO2 Pump heat/electrcal		AO2:92 26.15.D AO2 Heater 1 Capacity	
DI3:73 19.6.H DI3 Fire damper indication		AI3:34 21.11.I AI3 Pressure transmitter Supply air	AI	DO3:13 23.6.D DO3 Cool step 1		AO3:93 27.2.D AO3 Cooling/DX Circuit1 Change over/DVU-HP	
DI4:74 19.8.H DI4 Cooling alarm		AI4:35 21.15.I AI4 Pressure transmitter Extract air	AI	DO4:14 23.8.D DO4 Alarm signal		AO4:94 27.10.E AO4 Recirculation Capacity	
DI5:75 19.12.H DI5 Fire signal		UI1:41 22.3.I UI1 Temperature sensor Outdoor air	UI	DO5:15 23.11.D DO5 Damper supply		AO5:95 28.2.E AO5 Rec. Split Intake Capacity	
DI6:76 20.2.I DI6 Frost thermostat		UI2:42 22.7.I UI2 Temperature sensor Room 2	UI	DO6:16 23.13.D DO6 Damper Extract			
DI7:77 20.5.I DI7 Electrical heater Overheat		UI3:44 22.11.I UI3 Pressure transmitter Exchanger supply/extract	UI	DO7:17 23.15.D DO7 Pre-heater Start			
DI8:78 20.14.I DI8 External stop		UI4:45 22.15.I UI4 Temperature sensor Room 1	UI				

1 G
2 GO
3 PE
4 +C

14.13.K 24V DC C1
14.13.K 0V DC C1
29.19.B X2 PE

50 B
51 A
52 N
53 E

60 B
61 A
62 N
63 E

C2:50 B
C2:51 A
C2:52 N
1

33.6.K
33.6.K
33.6.K

C1:60 B
C1:61 A
1

16.0.B
16.0.B

10 GDO

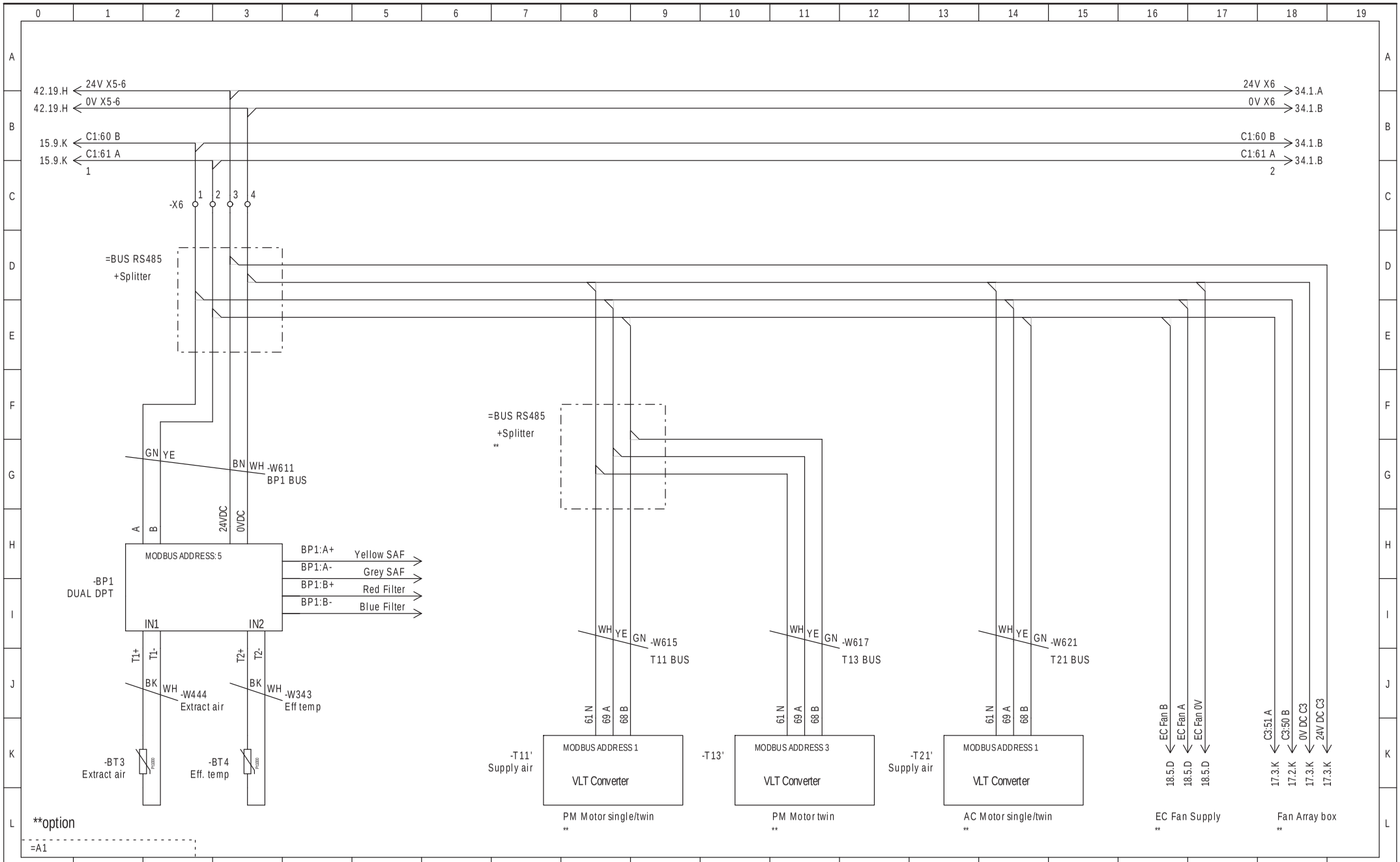
30 Agnd
33 Agnd
40 Agnd
43 Agnd
90 Agnd

30 Agnd
33 Agnd
40 Agnd
43 Agnd

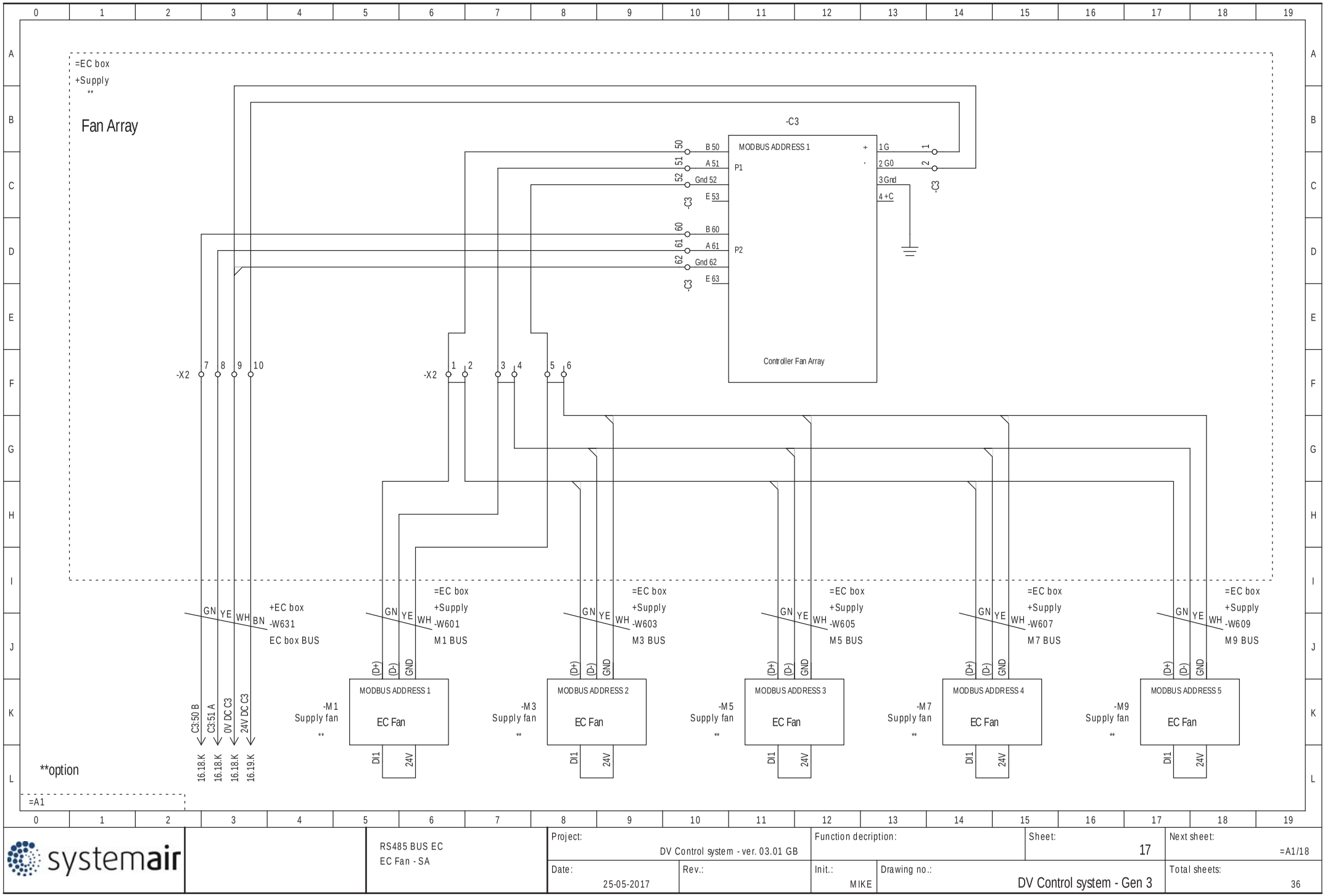
21.1.H
21.10.H
22.2.H
22.9.H

=A1

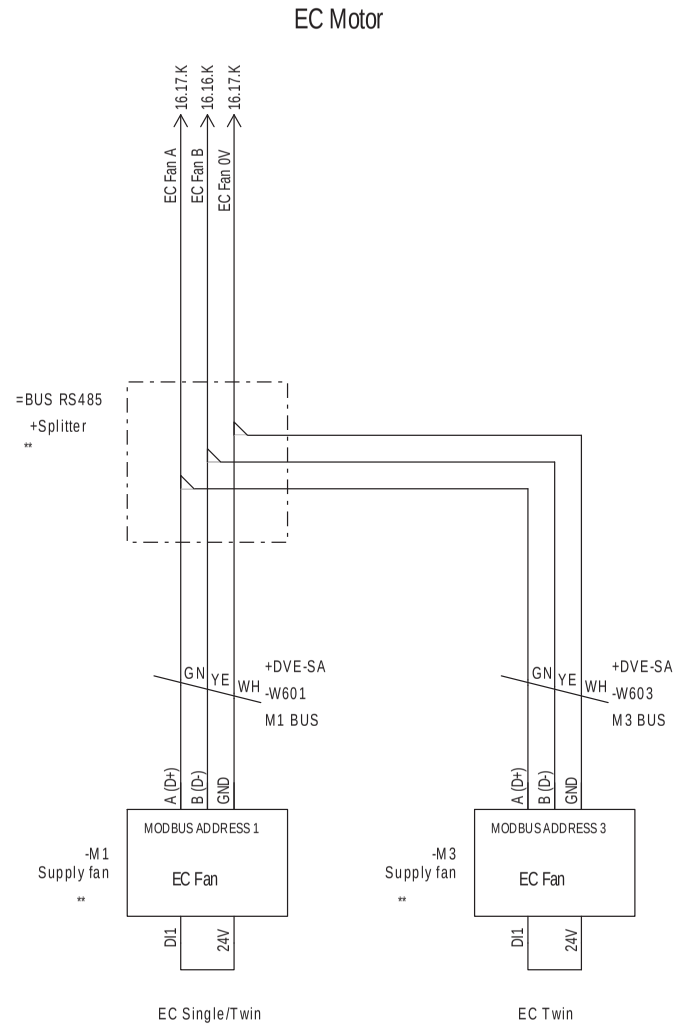
systemair		Corrigo E283	Project: DV Control system - ver. 03.01 GB	Version.: 03.00	Function decription:	Sheet: 15	Next sheet: =A1/16		
			Create Date: 25-05-2017	Rev Date.:	Rev No.:	Init.: MIKE	Drawing no.: DV Control system - Gen 3	Total sheets: 36	



systemair		RS485 BUS Supply	Project: DV Control system - ver. 03.01 GB	Function decription:	Sheet: 16	Next sheet: =A1/17	
			Date: 25-05-2017	Rev.:	Init.: MIKE	Drawing no.: DV Control system - Gen 3	Total sheets: 36



systemair		RS485 BUS EC EC Fan - SA	Project: DV Control system - ver. 03.01 GB	Function decription:	Sheet: 17	Next sheet: =A1/18	
			Date: 25-05-2017	Rev.:	Init.: MIKE	Drawing no.: DV Control system - Gen 3	Total sheets: 36



**option

=A1

systemair		RS485 BUS EC EC Fan - SA	Project: DV Control system - ver. 03.01 GB	Function decription:	Sheet: 18	Next sheet: =A1/19	
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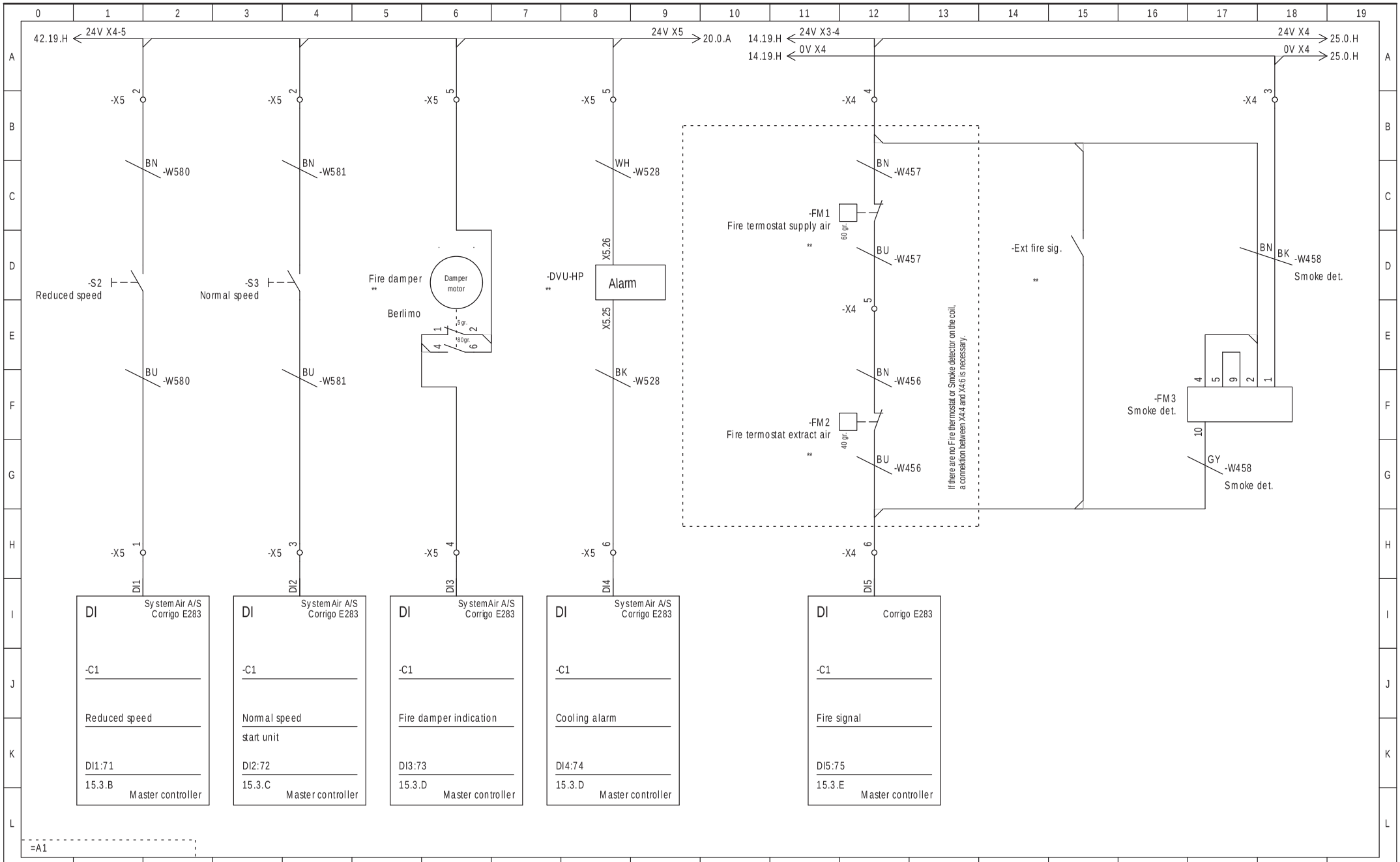

systemair		Digital input	Project: DV Control system - ver. 03.01 GB	Version.: 03.00	Function decription:	Sheet: 19	Next sheet: =A1/20		
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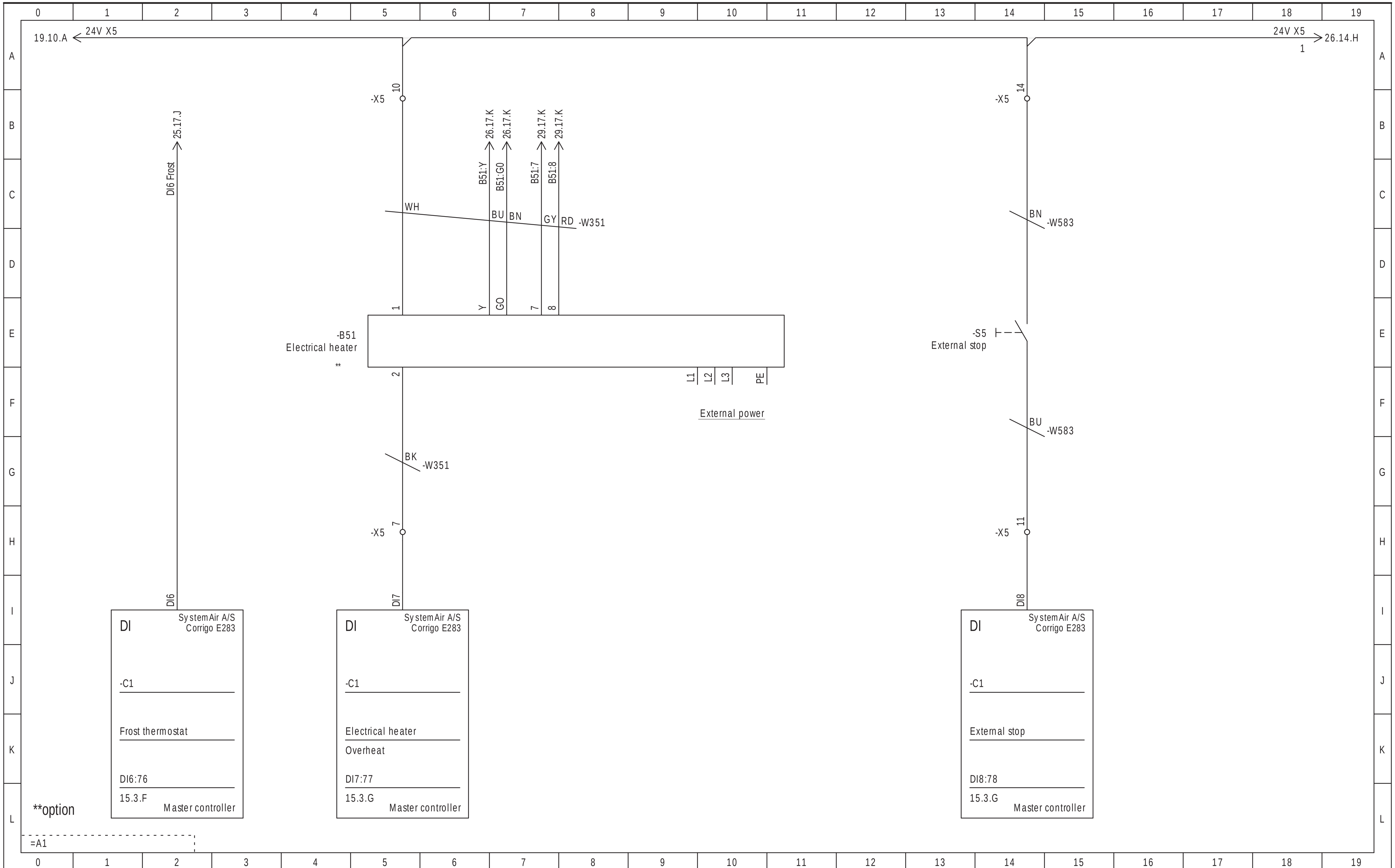

systemair	Digital input	Project: DV Control system - ver. 03.01 GB	Version.: 03.00	Function decription:	Sheet: 20	Next sheet: =A1/21
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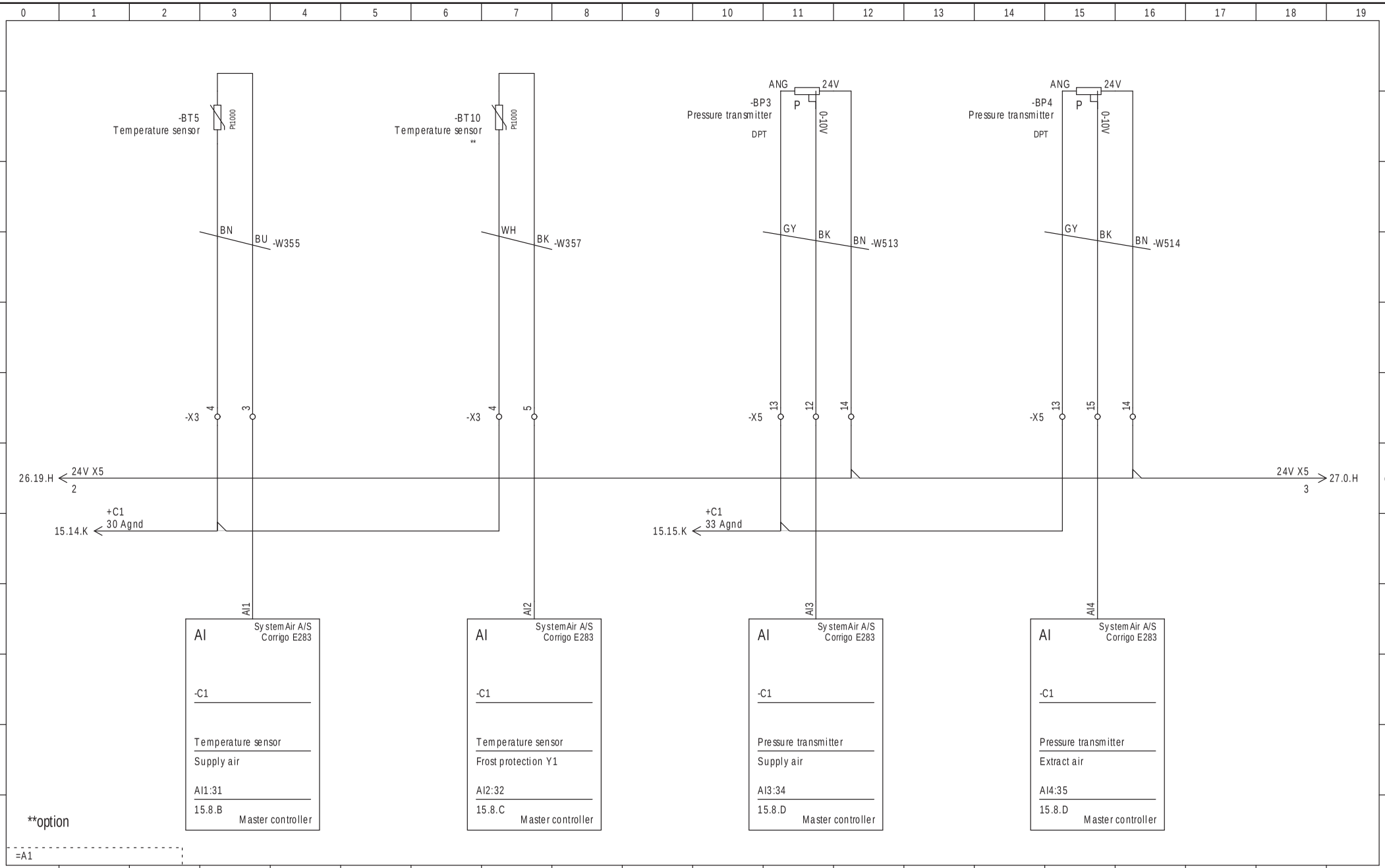

systemair		Analog input	Project: DV Control system - ver. 03.01 GB	Version.: 03.00	Function decription:	Sheet: 21	Next sheet: =A1/22		
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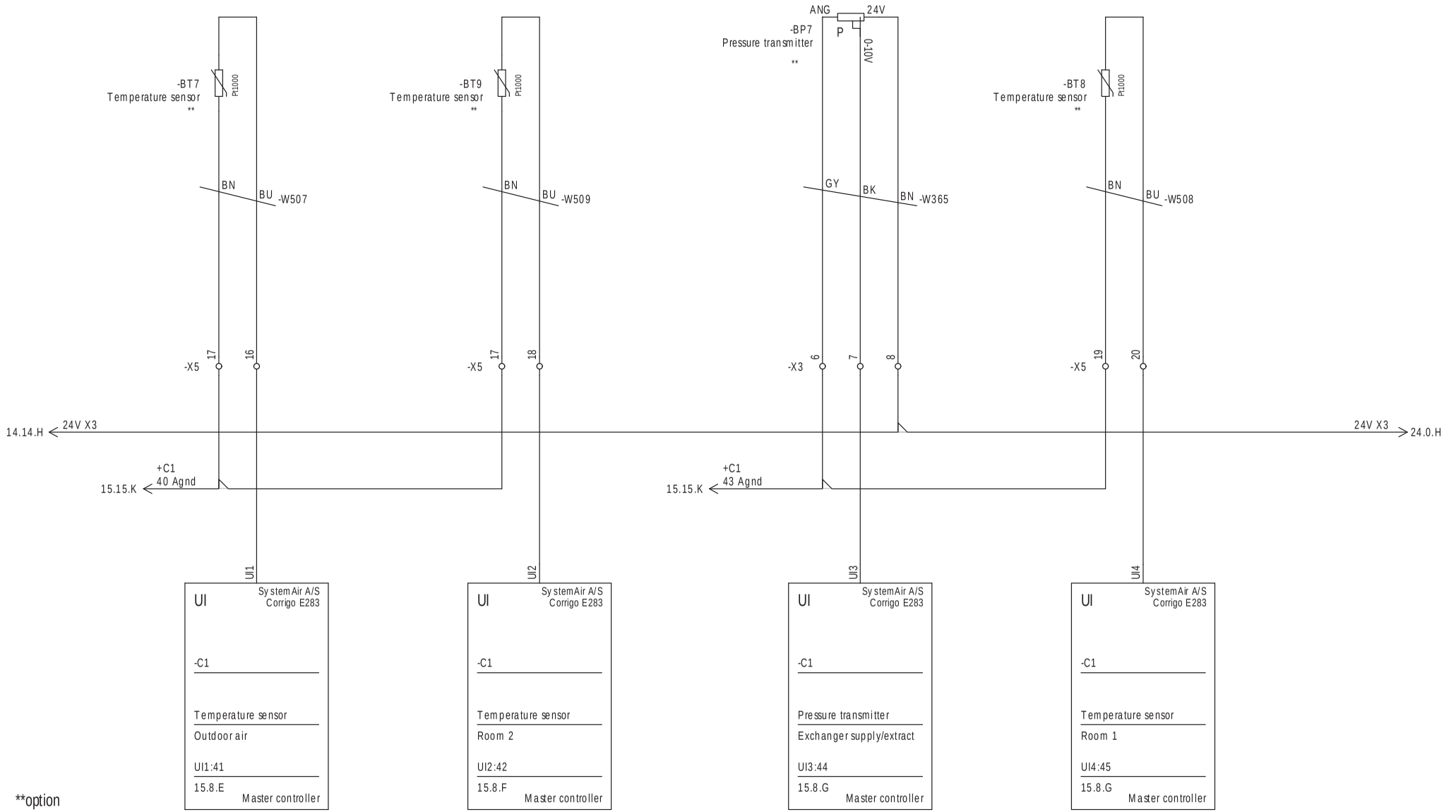

systemair		Universal input	Project: DV Control system - ver. 03.01 GB		Version.: 03.00	Function decription:	Sheet: 22	Next sheet: =A1/23	
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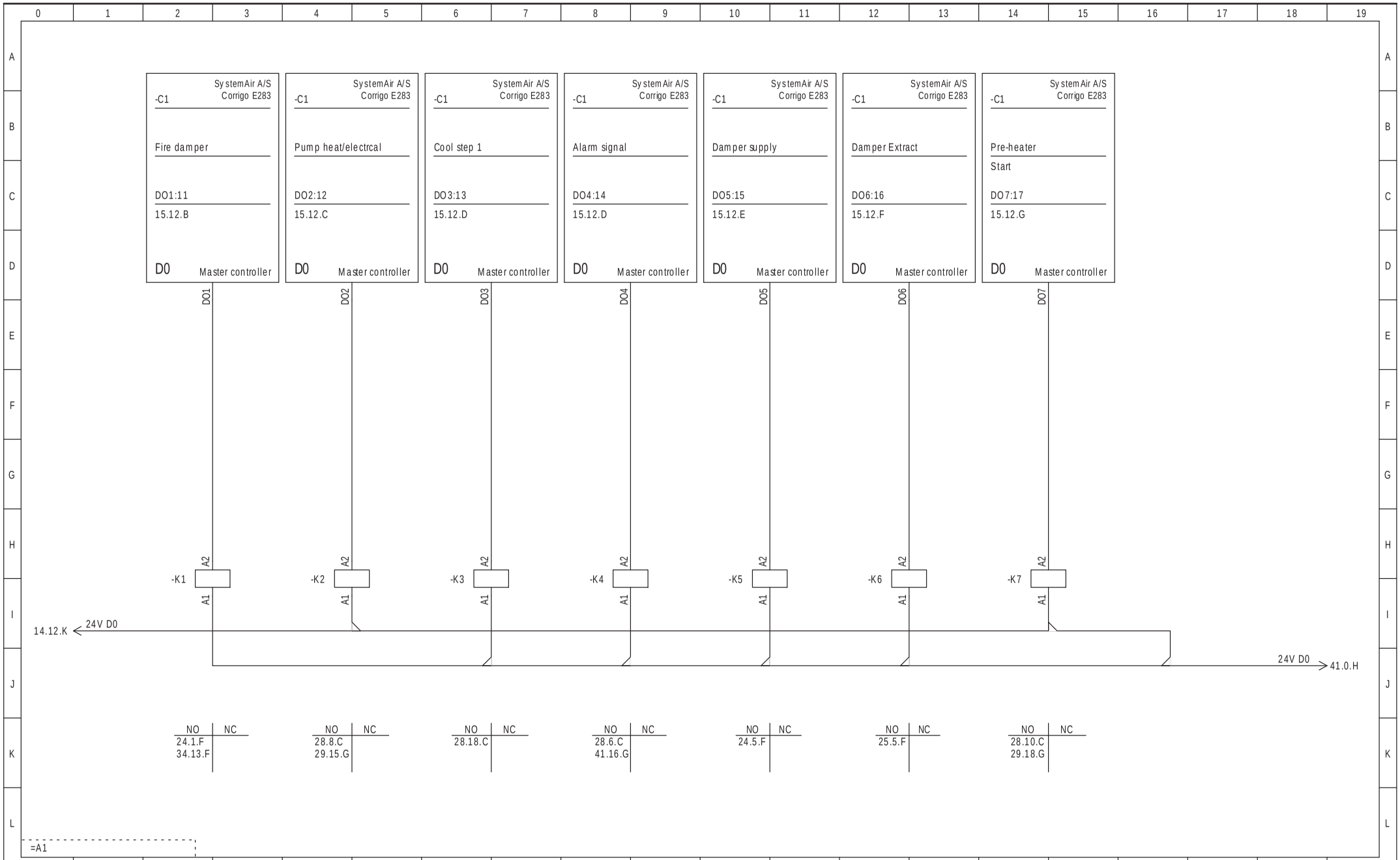

systemair		Digital output	Project: DV Control system - ver. 03.01 GB	Version.: 03.00	Function decription:	Sheet: 23	Next sheet: =A1/24		
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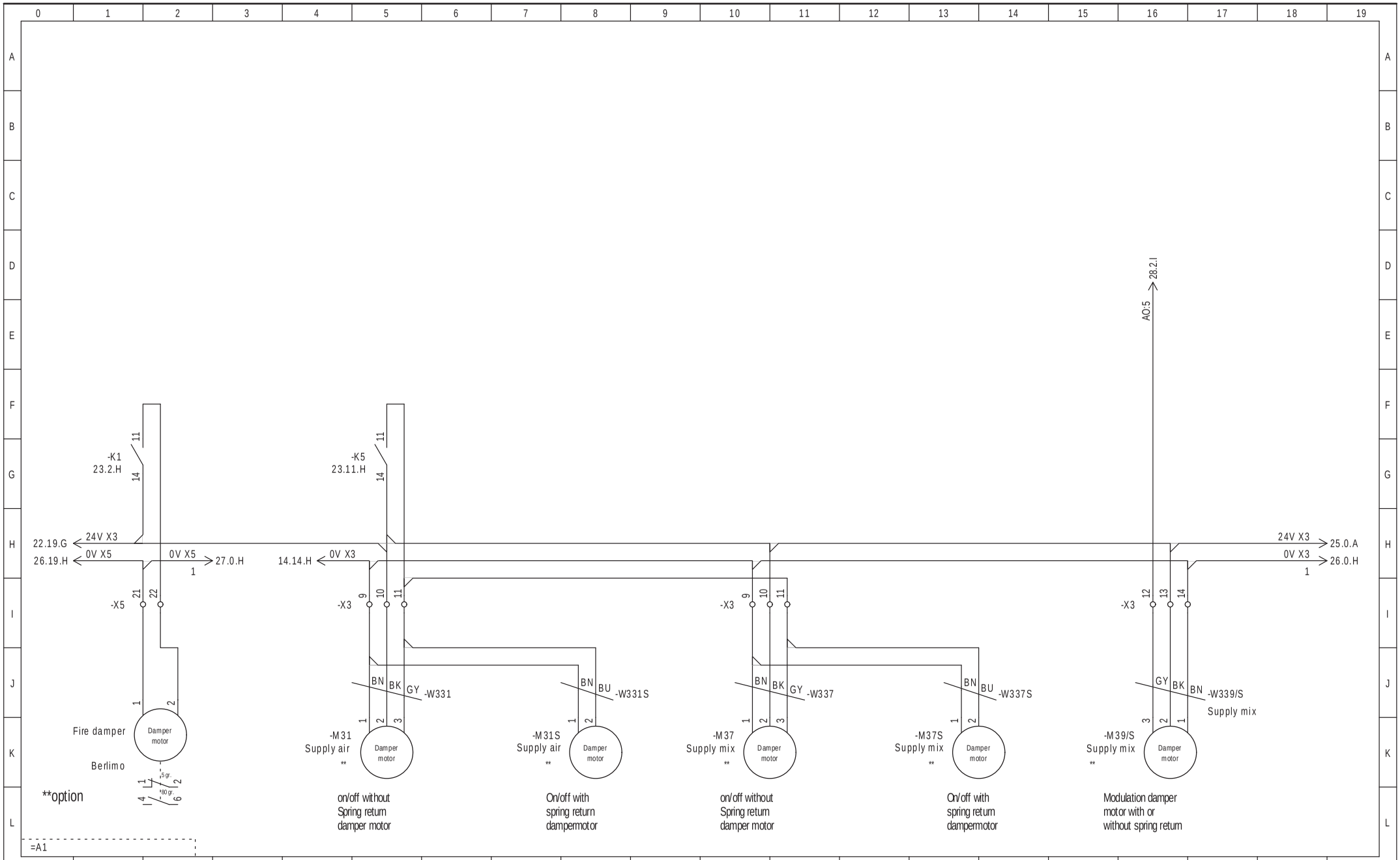

systemair		Digital output	Project: DV Control system - ver. 03.01 GB	Function decription:	Sheet: 24	Next sheet: =A1/25	
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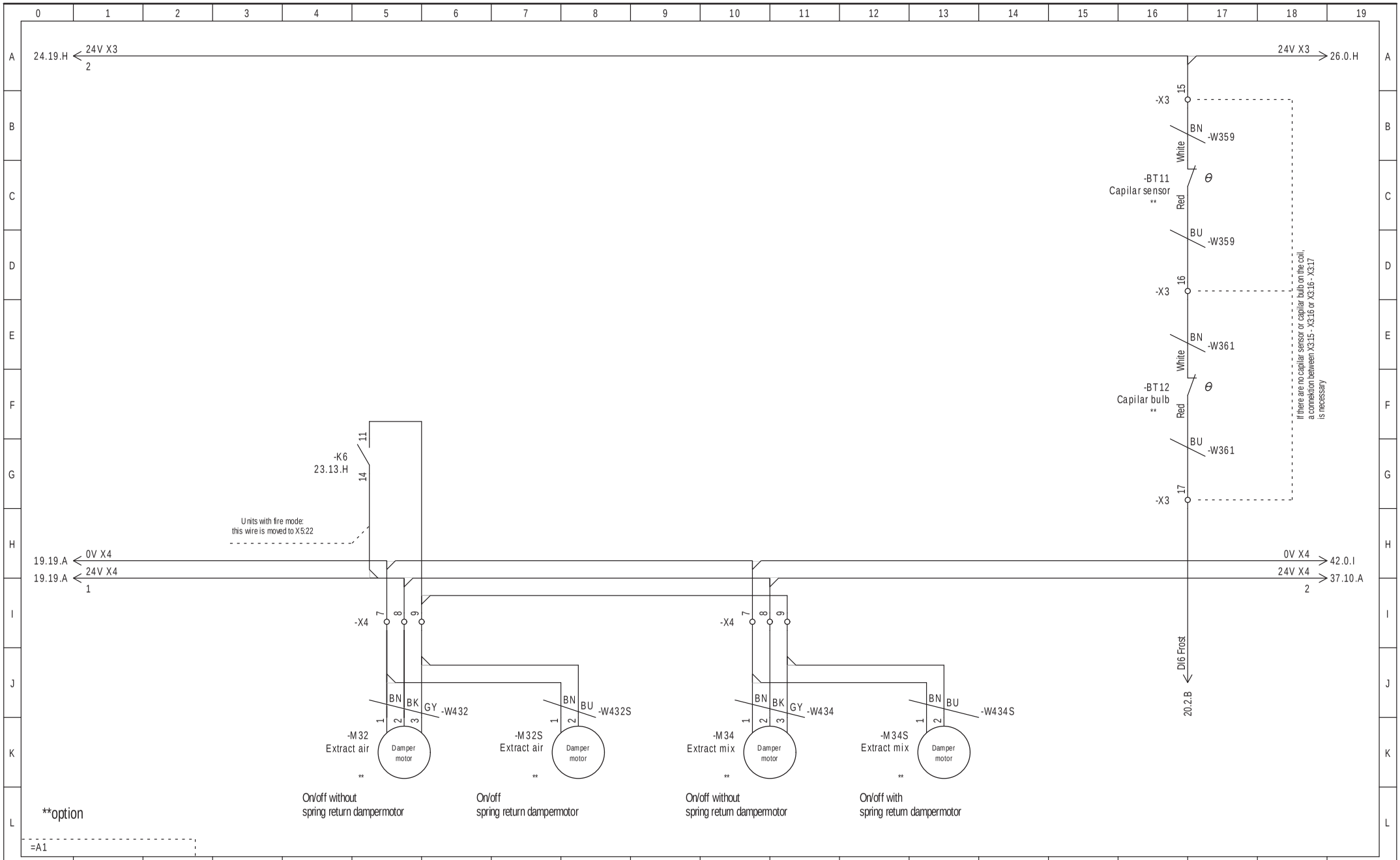

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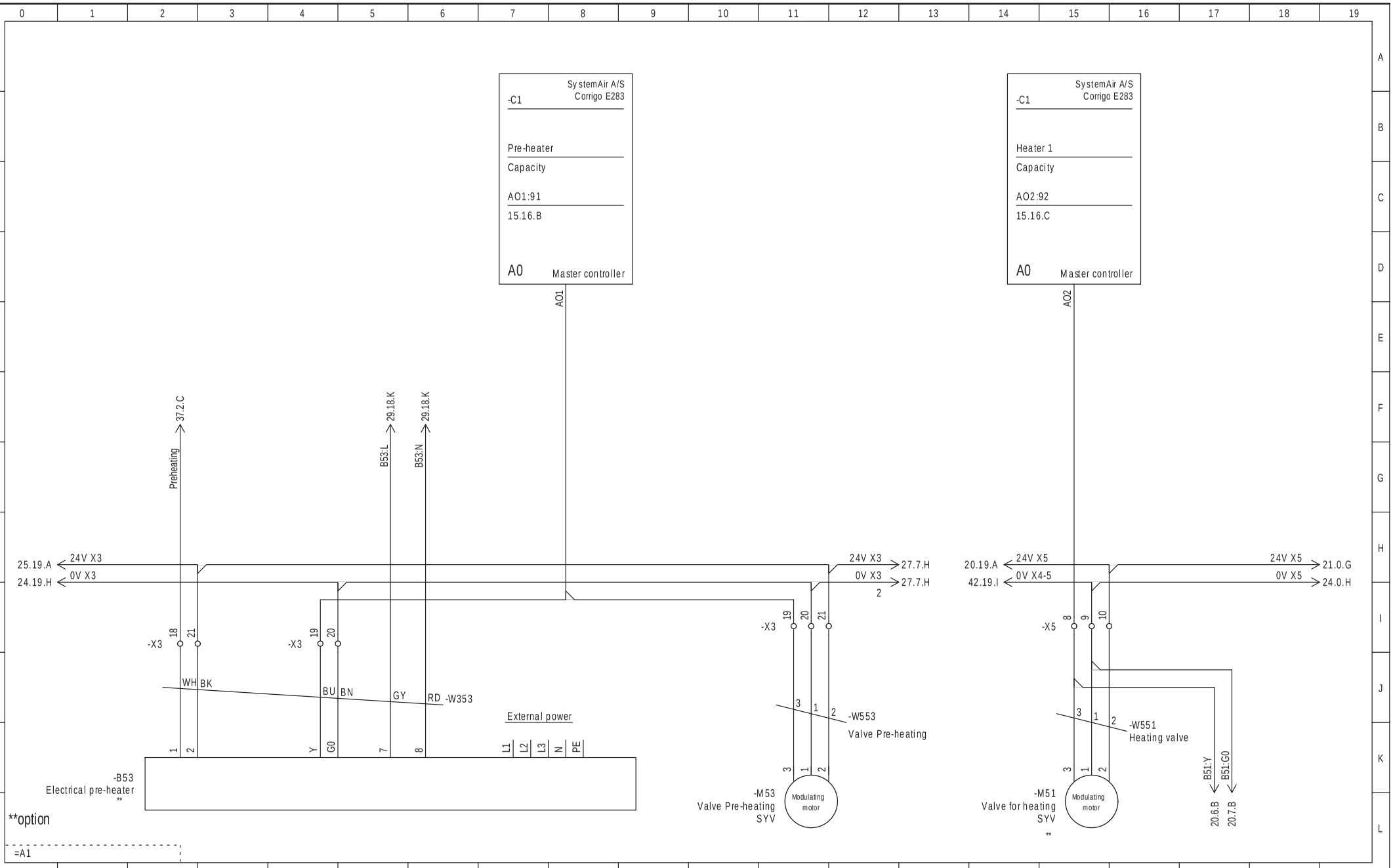

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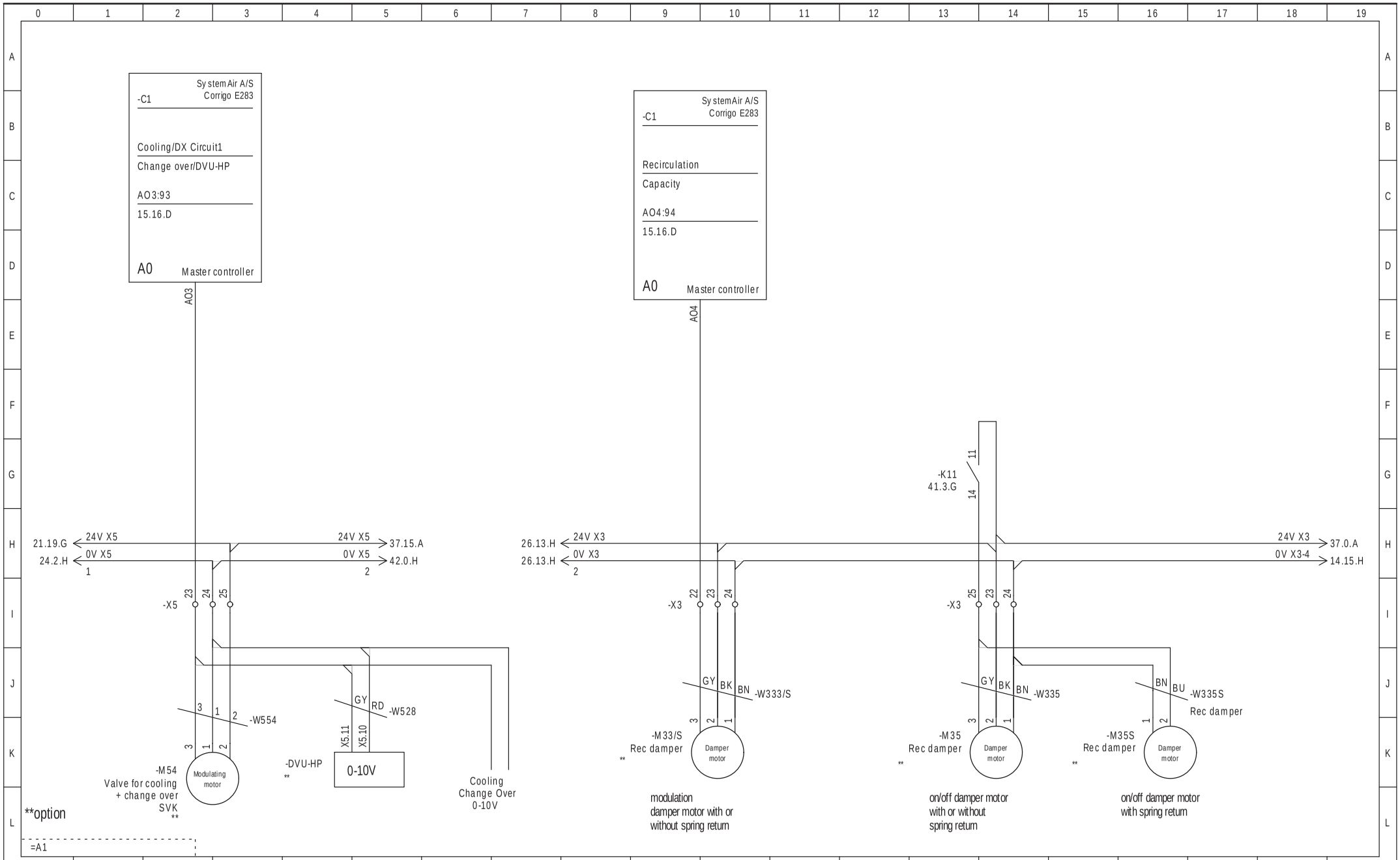

systemair		Analog output	Project: DV Control system - ver. 03.01 GB	Function decription:	Sheet: 27	Next sheet: =A1/28	
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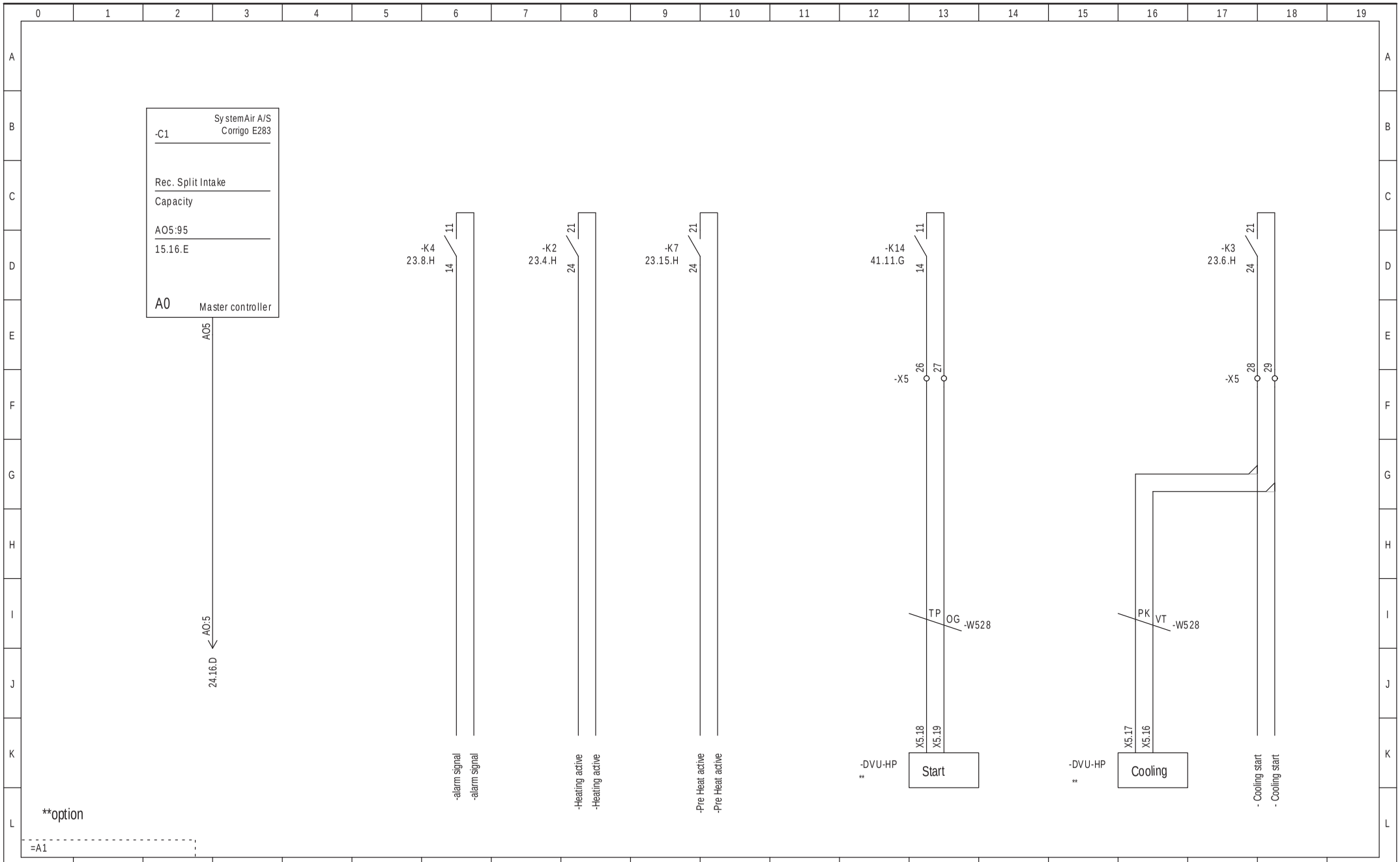
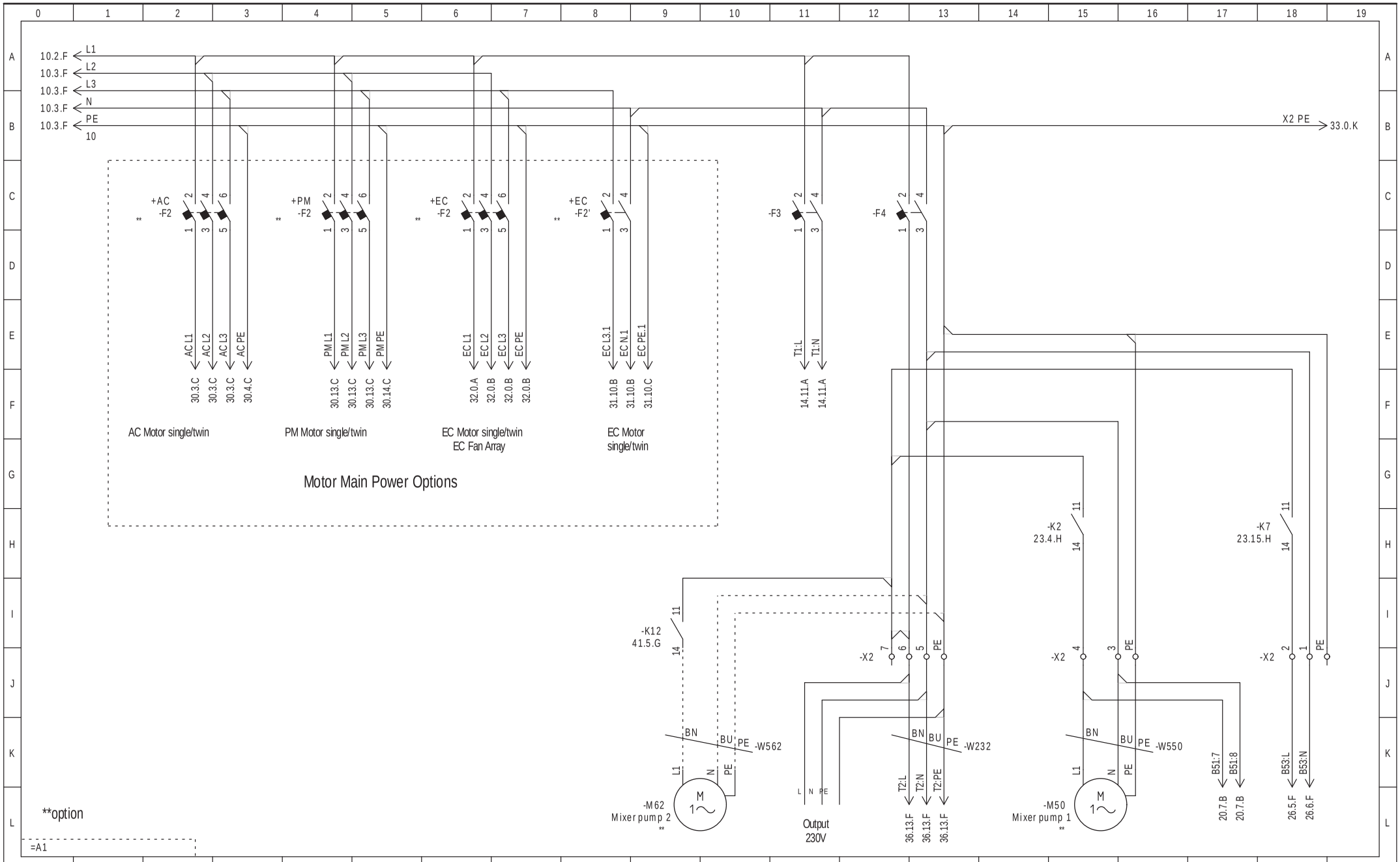
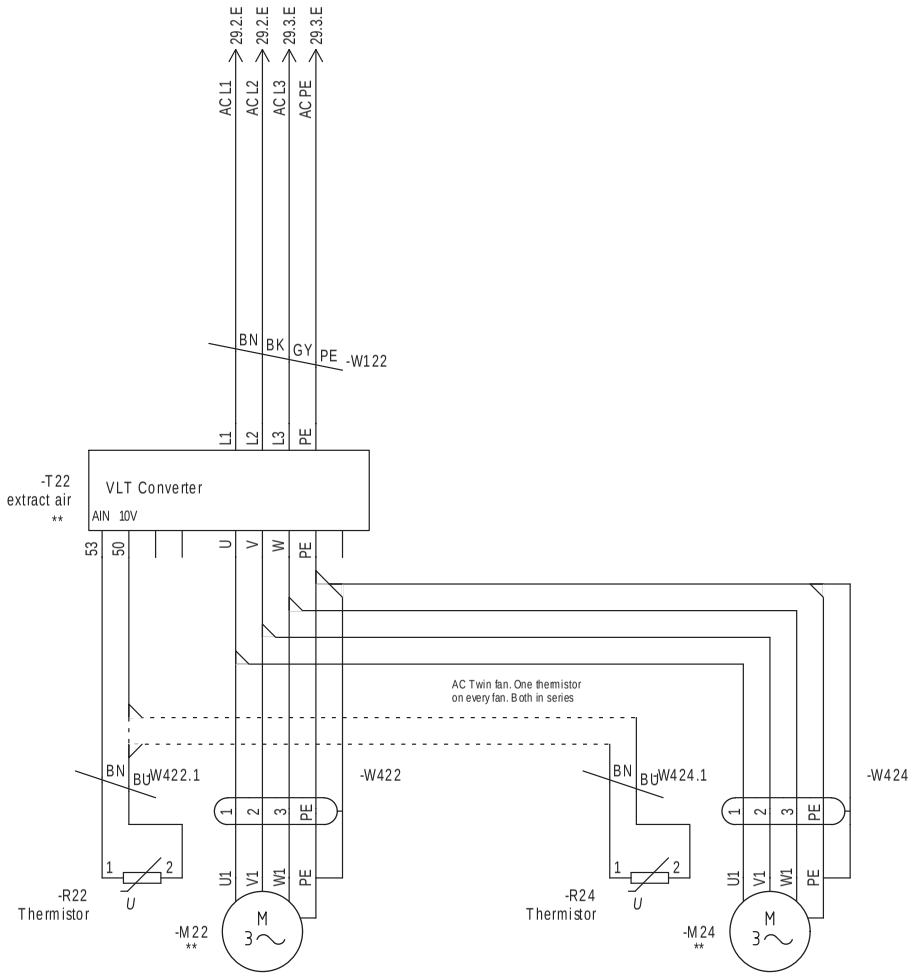


systemair		Analog output	Project: DV Control system - ver. 03.01 GB	Version.: 03.00	Function decription:	Sheet: 28	Next sheet: =A1/29	
			Create Date: 25-05-2017	Rev Date.:	Rev No.:	Init.: MIKE	Drawing no.: DV Control system - Gen 3	Total sheets: 36



systemair		Main power Motor Extract	Project: DV Control system - ver. 03.01 GB	Version.: 03.00	Function decription:	Sheet: 29	Next sheet: =A1/30		
			Create Date: 25-05-2017	Rev Date.: 20-10-2017	Rev No.:	Init.: MIKE	Drawing no.: DV Control system - Gen 3	Total sheets: 36	

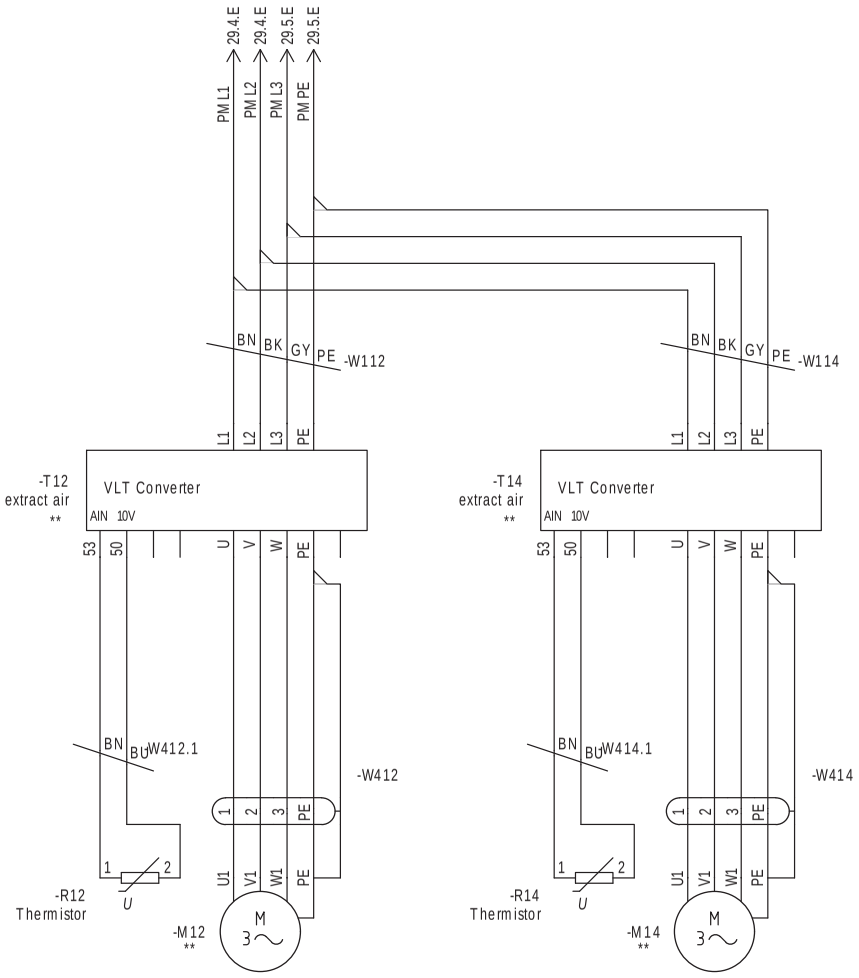
AC Motor



Single AC Extract motor

Twin AC Extract motor

PM Motor



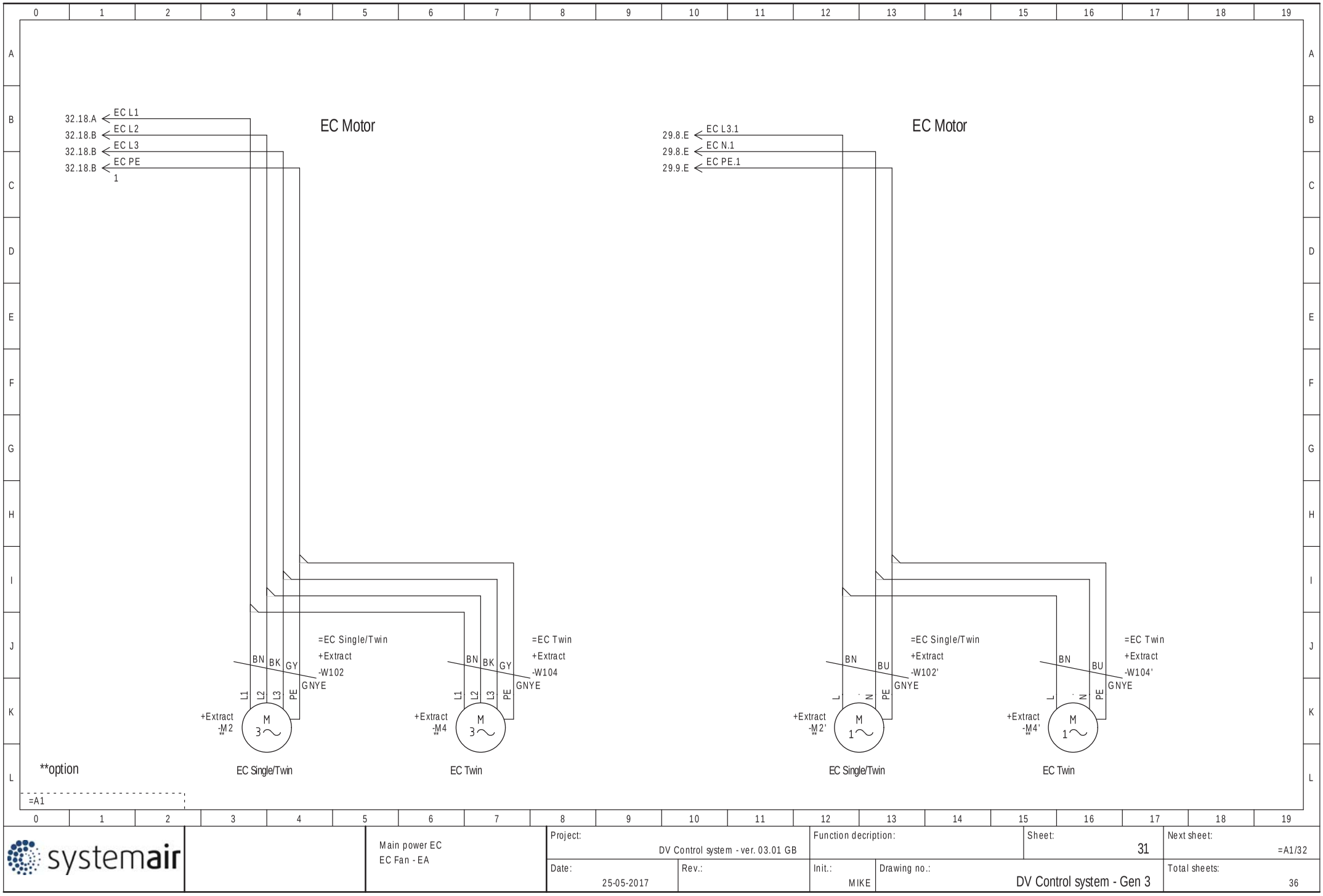
Single PM Extract motor

Twin PM Extract motor

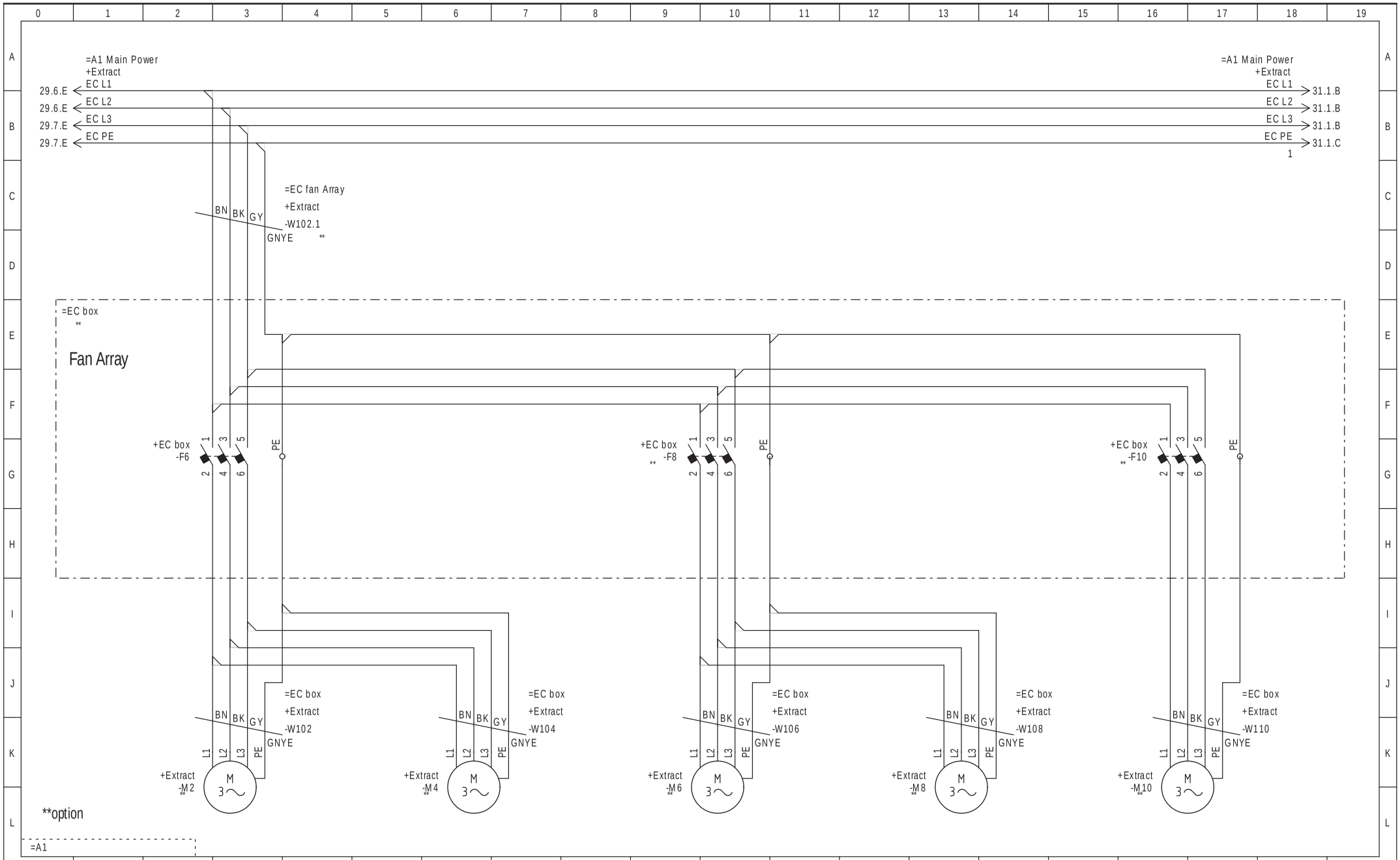
**option

=A1

systemair		Main power AC/PM	Project: DV Control system - ver. 03.01 GB		Version.: 03.00	Function decription:	Sheet: 30	Next sheet: =A1/31	
			Create Date: 25-05-2017	Rev Date.:	Rev No.:	Init.: MIKE	Drawing no.: DV Control system - Gen 3	Total sheets: 36	



systemair		Main power EC EC Fan - EA	Project: DV Control system - ver. 03.01 GB	Function decription:	Sheet: 31	Next sheet: =A1/32	
			Date: 25-05-2017	Rev.:	Init.: MIKE	Drawing no.: DV Control system - Gen 3	Total sheets: 36



systemair		Main power EC EC Fan - EA	Project: DV Control system - ver. 03.01 GB	Function decription:	Sheet: 32	Next sheet: =A1/33	
			Date: 25-05-2017	Rev.:	Init.: MIKE	Drawing no.: DV Control system - Gen 3	Total sheets: 36

-C2

Slave controller

SystemAir A/S

Corrigo E28

DI1:71 37.2.H DI1 Electrical preheat Overheat	AI1:31 39.3.I AI1 CO2 sensor Extract air or Room	DO1:11 41.3.D DO1 Recirculation Damper /Exchanger start	AO1:91 42.2.D AO1 Heat recovery capacity
DI2:72 37.6.H DI2 Pre-Filter guard	AI2:32 39.8.I AI2 Humidity sensor Extract	DO2:12 41.5.D DO2 Heater 2	AO2:92 42.6.D AO2 Heater 2
DI3:73 37.11.H DI3 Filter guard	AI3:34 39.12.I AI3 Humidity sensor Outdoor	DO3:13 41.8.D DO3 Fire Run Indication	AO3:93 42.10.D AO3 Heat recovery capacity X
DI4:74 37.16.H DI4 Boost fan	AI4:35 39.16.I AI4	DO4:14 41.11.D DO4 Heat / Cool step 1 Start	AO4:94 42.13.D AO4 Exchanger by-pass
DI5:75 38.4.I DI5 External Change over /Defrost	UI1:41 40.4.H UI1 Pre-heat Temp.	DO5:15 41.14.D DO5 Free	AO5:95 42.17.D AO5 Cooling coil 2/ DX circuit 2
DI6:76 38.8.I DI6 External Recirculation /Exchanger Alarm	UI2:42 40.12.H UI2	DO6:16 DO7 Free	
DI7:77 38.14.I DI7	UI3:44 40.14.H UI3	DO7:17 DO7 Free	
DI8:78 38.16.I DI8	UI4:45 40.16.H UI4		

1 G
2 GO
3 PE
4 +C

14.17.K 24V DC C2
14.17.K 0V DC C2
29.19.B X2 PE

50 B
51 A
52 N
53 E

C2:50 B
C2:51 A
C2:52 N

15.7.K
15.8.K
15.8.K

LON: Net+57
LON: Net+58
LON: Net+59

LON terminals
**

10 GDO

30 Agnd
33 Agnd
40 Agnd
43 Agnd
90 Agnd

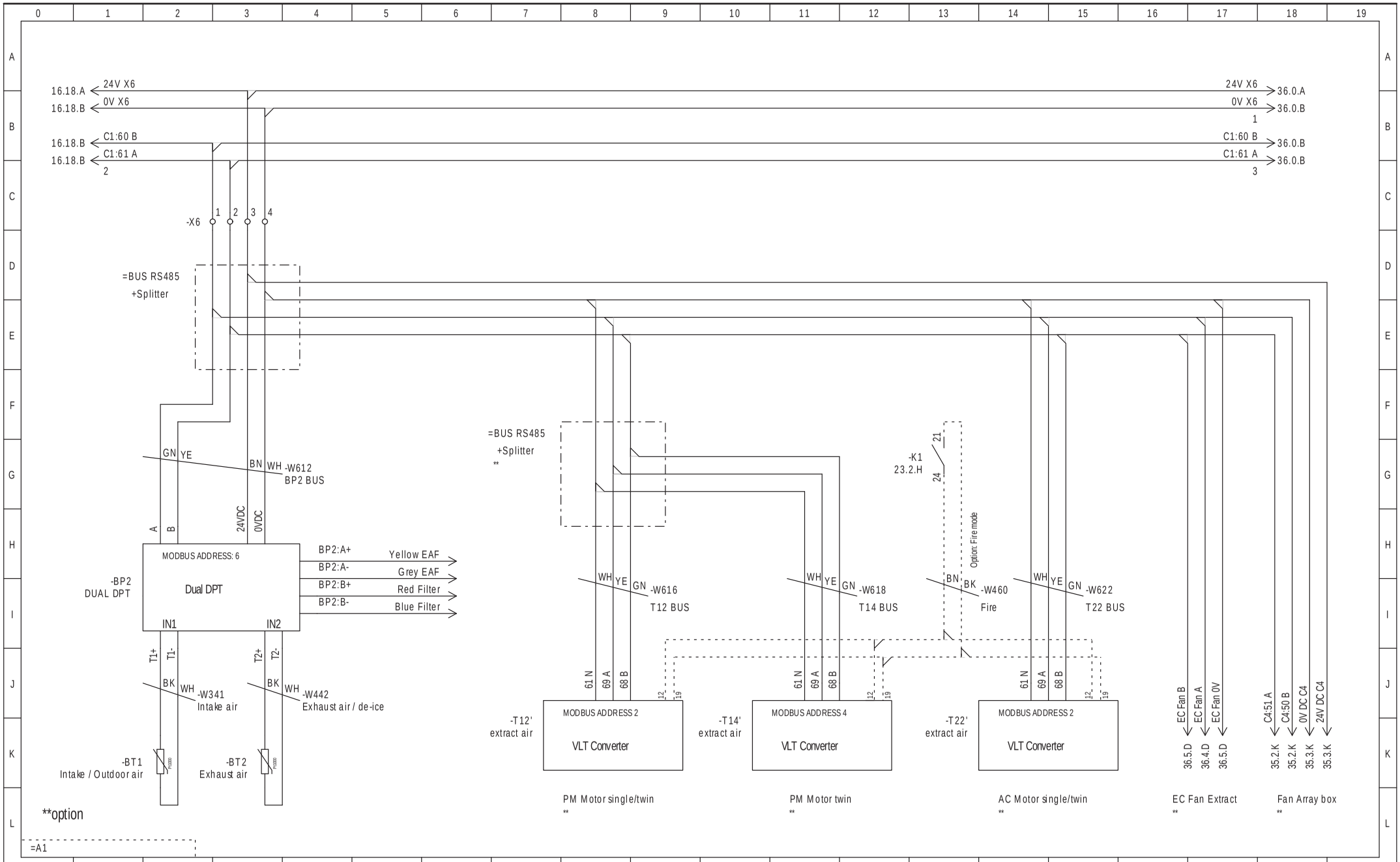
30 Agnd
33 Agnd
40 Agnd

39.1.F
39.10.F
40.2.F

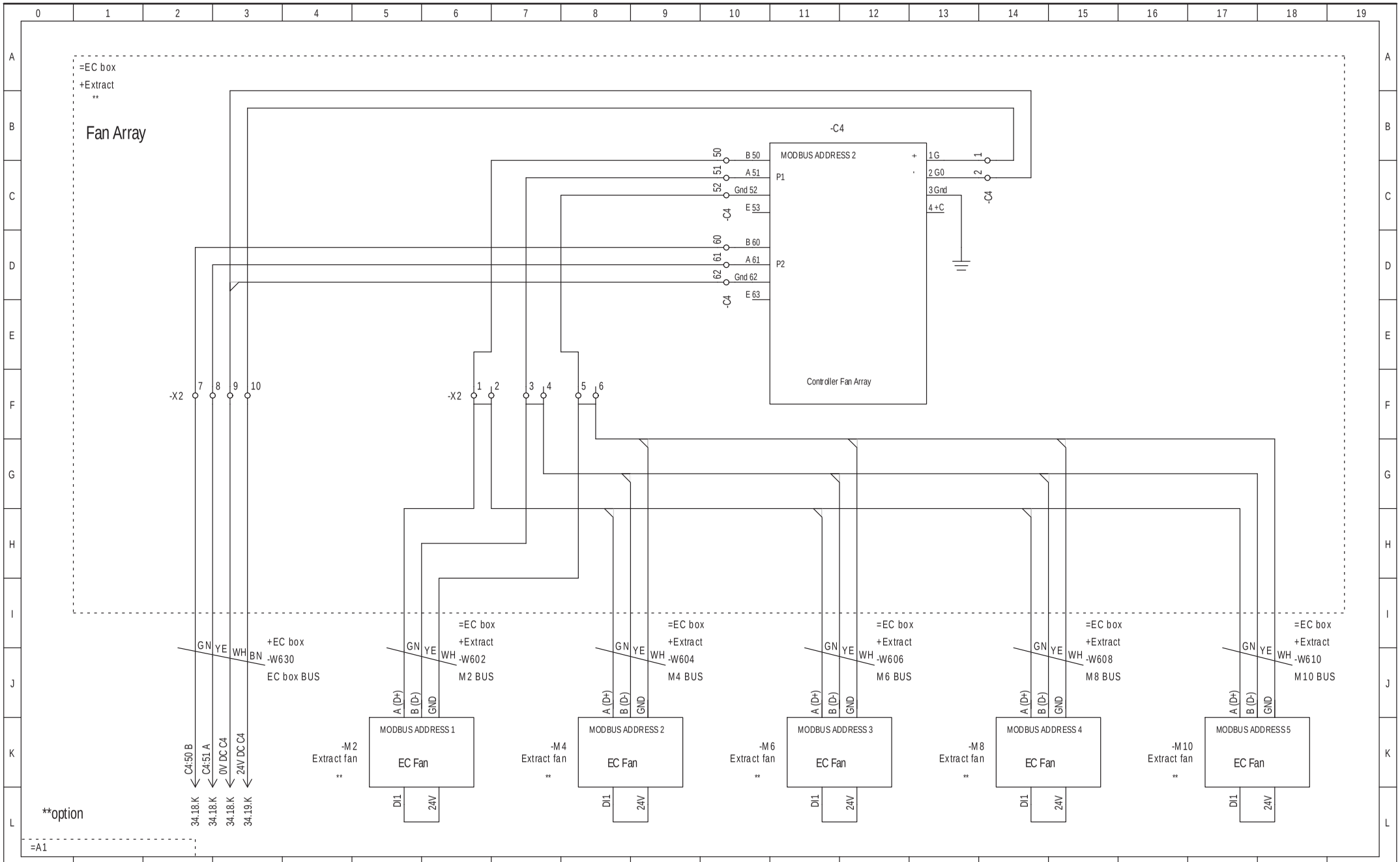
**option

=A1

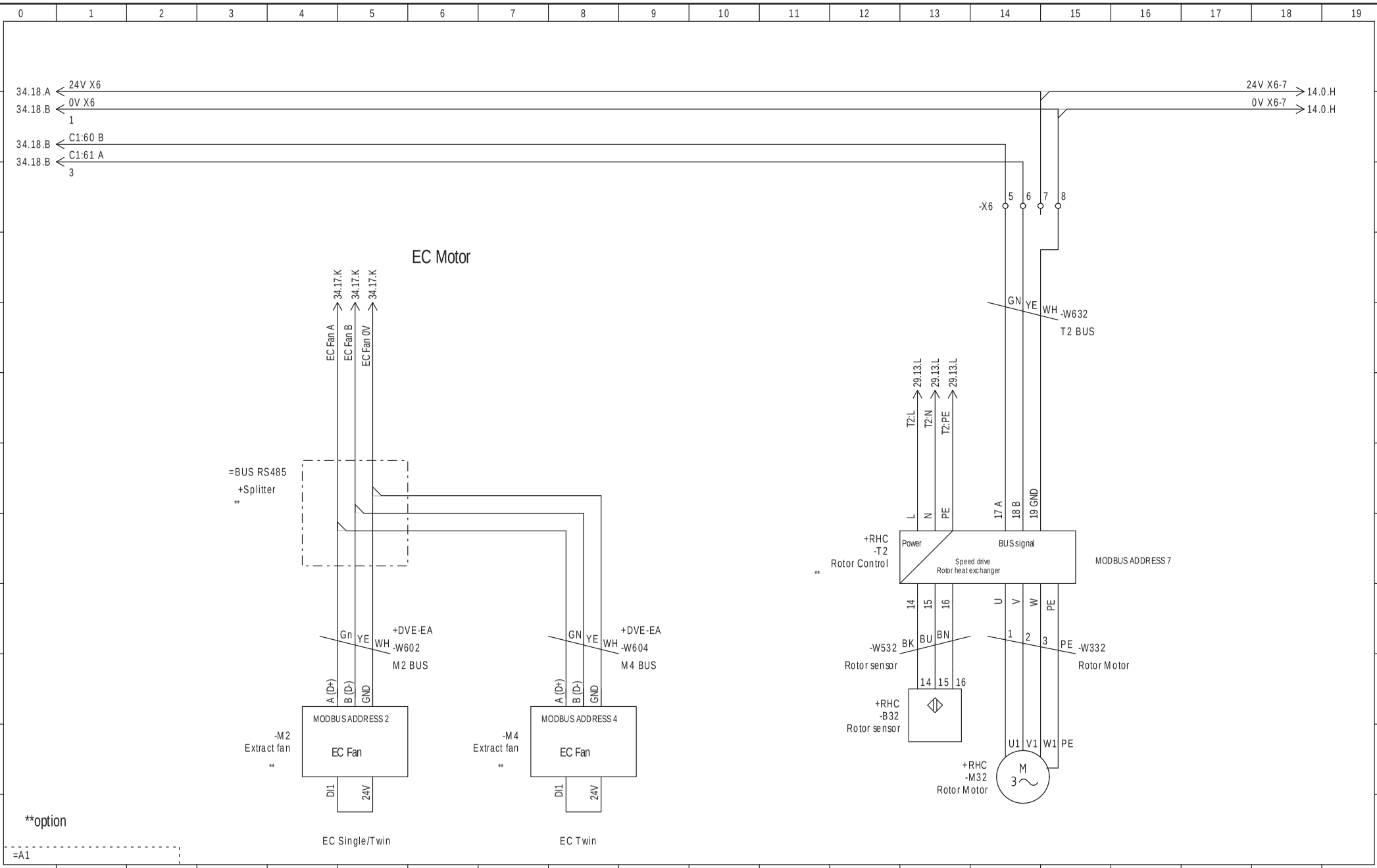
systemair		Corrigo E28	Project: DV Control system - ver. 03.01 GB	Version.: 03.00	Function decription:	Sheet: 33	Next sheet: =A1/34
			Create Date: 25-05-2017	Rev Date.:	Rev No.:	Init.: MIKE	Drawing no.: DV Control system - Gen 3	Total sheets: 36



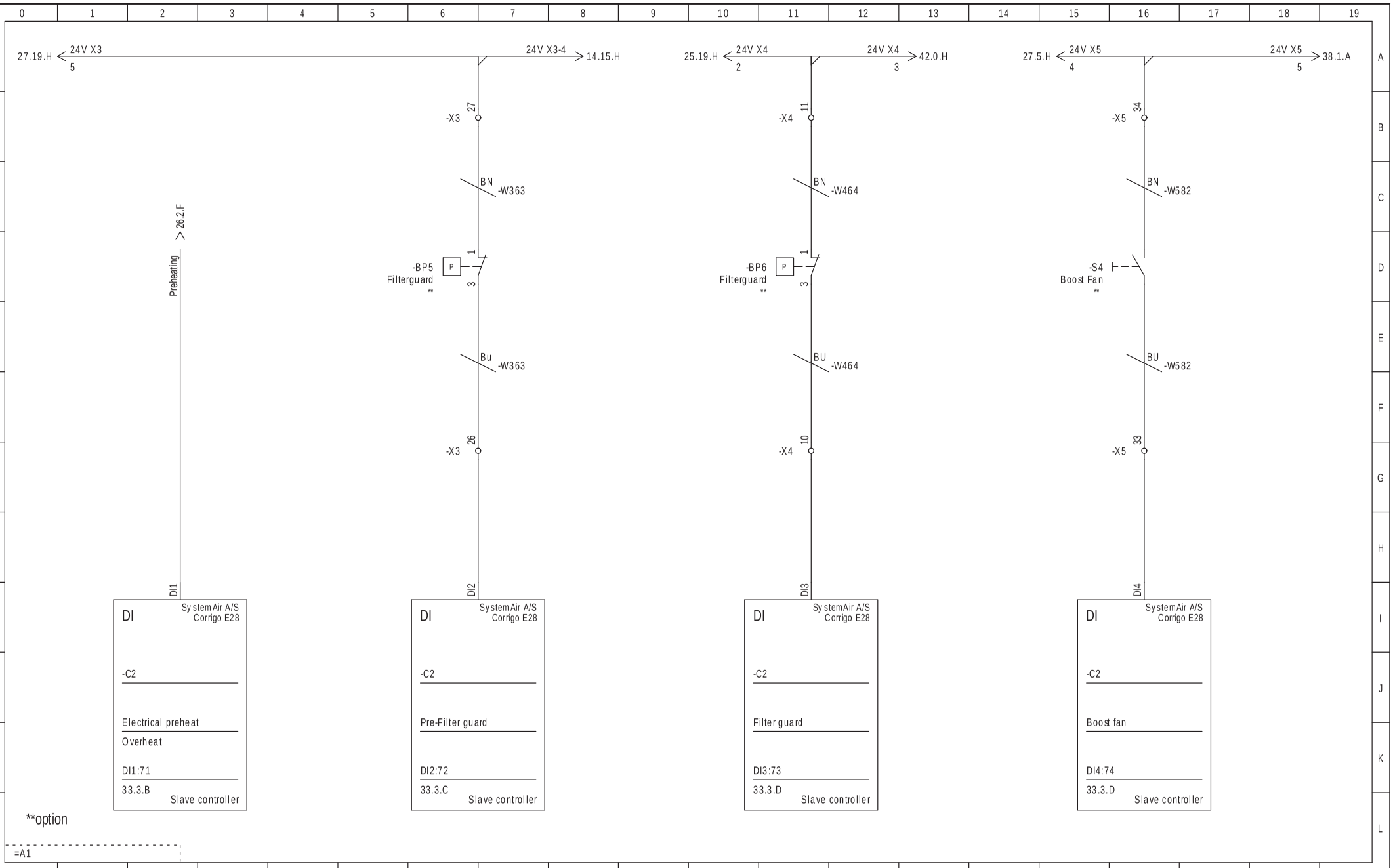
systemair		RS485 BUS Extract	Project: DV Control system - ver. 03.01 GB		Function decription:		Sheet: 34	Next sheet: =A1/35	
			Date: 25-05-2017	Rev.:	Init.: MIKE	Drawing no.: DV Control system - Gen 3		Total sheets: 36	



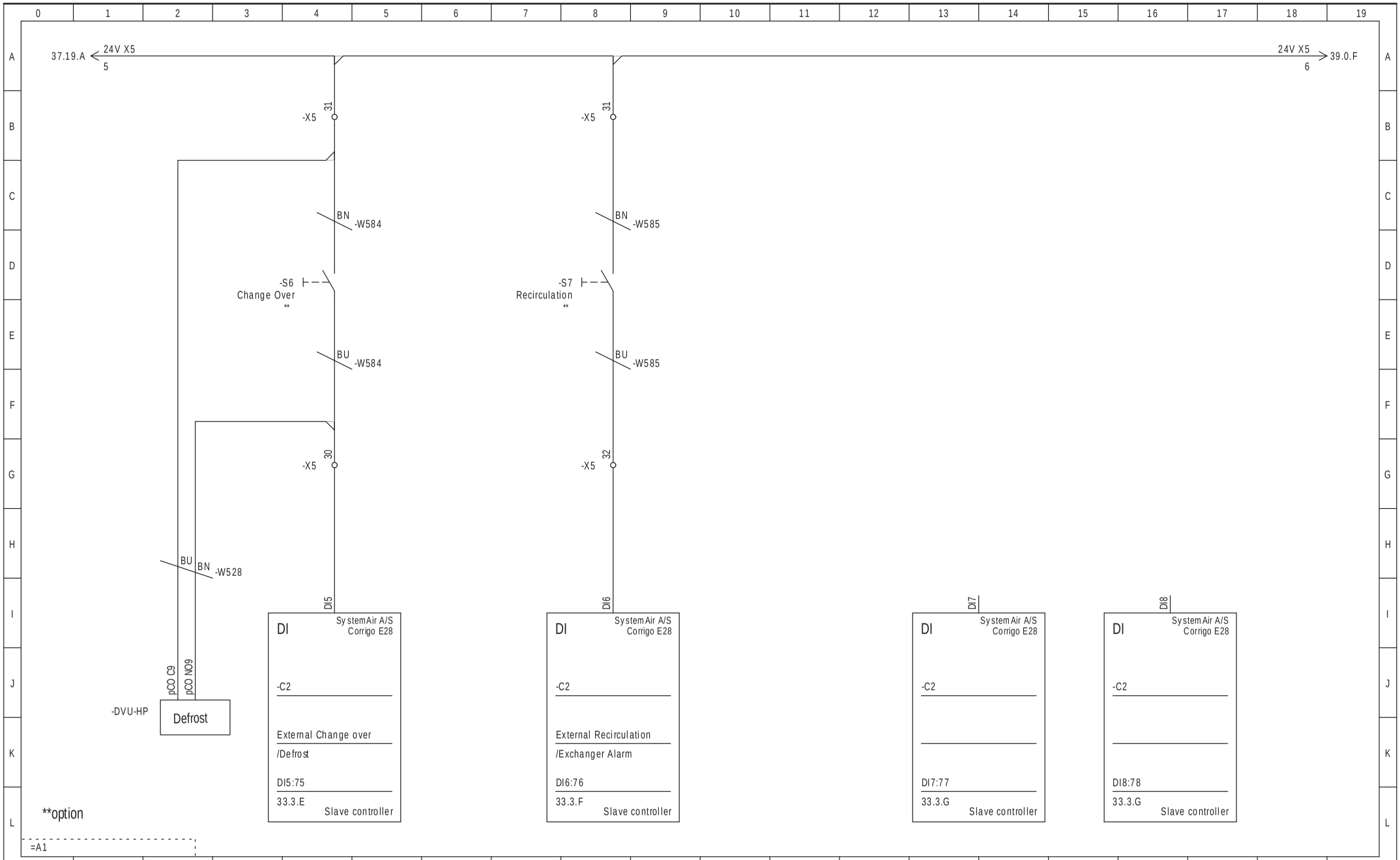
systemair		RS485 BUS EC EC Fan - EA	Project: DV Control system - ver. 03.01 GB	Function decription:	Sheet: 35	Next sheet: =A1/36	
			Date: 25-05-2017	Rev.:	Init.: MIKE	Drawing no.: DV Control system - Gen 3	Total sheets: 36



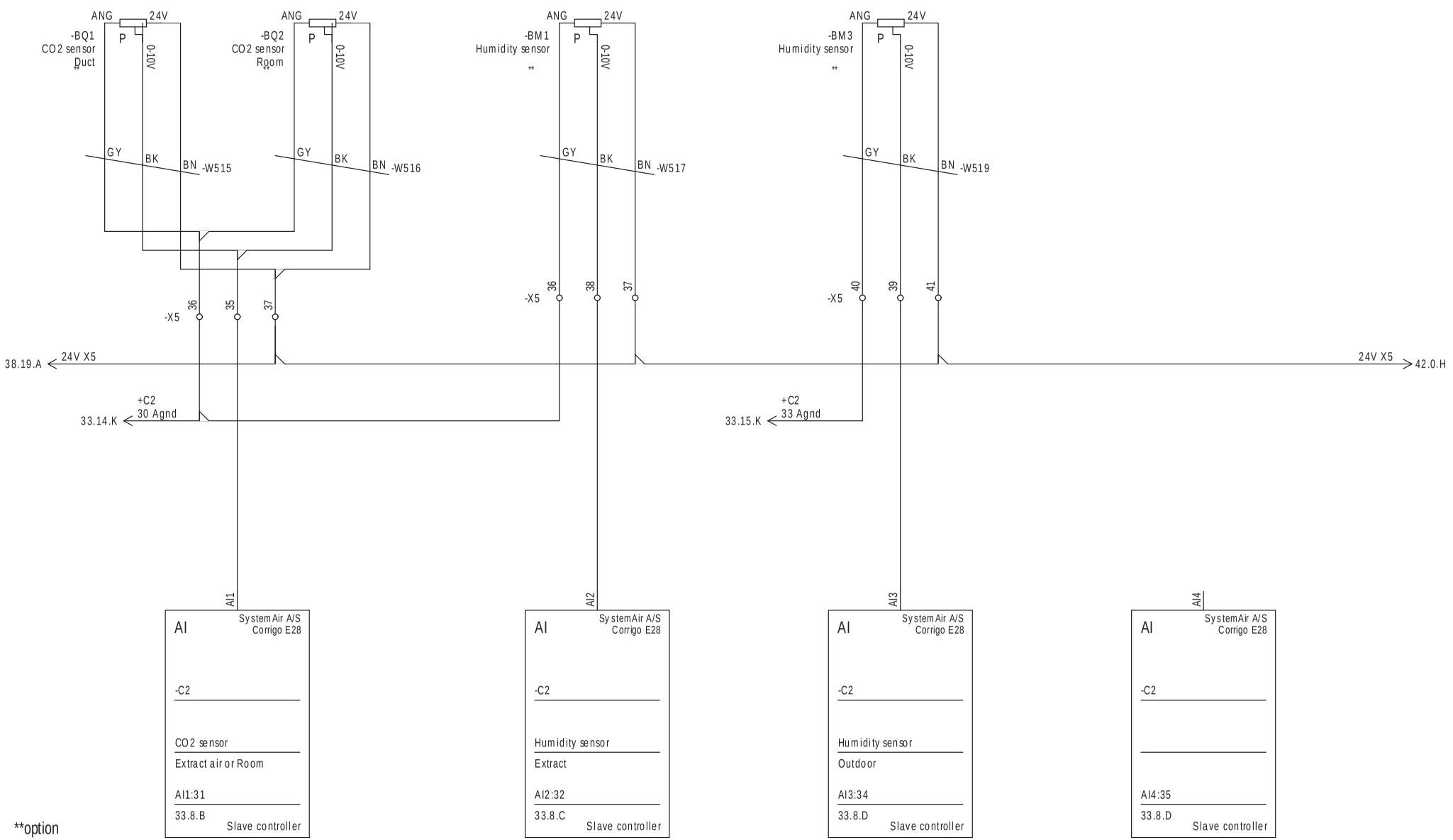
systemair		RS485 BUS EC EC Fan - EA	Project: DV Control system - ver. 03.01 GB	Function decription:	Sheet: 36	Next sheet: =A1/37	
			Date: 25-05-2017	Rev.:	Init.: MIKE	Drawing no.: DV Control system - Gen 3	Total sheets: 36



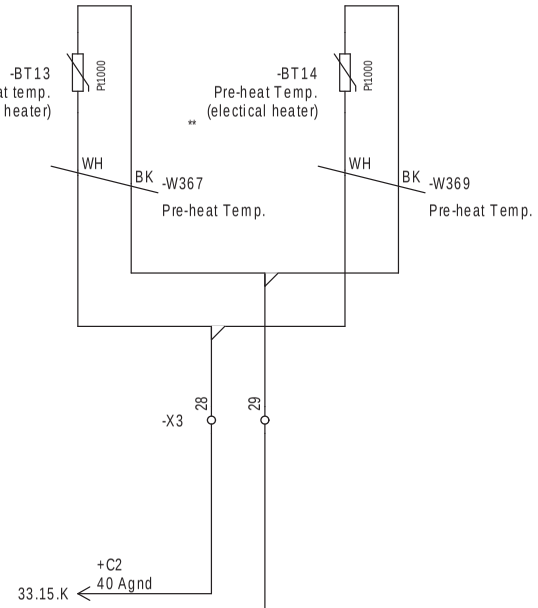
systemair		Digital input	Project: DV Control system - ver. 03.01 GB	Version.: 03.00	Function decription:	Sheet: 37	Next sheet: =A1/38		
			Create Date: 25-05-2017	Rev Date.:	Rev No.:	Init.: MIKE	Drawing no.: DV Control system - Gen 3	Total sheets: 36	



systemair		Digital input	Project: DV Control system - ver. 03.01 GB	Function decription:	Sheet: 38	Next sheet: =A1/39	
			Date: 25-05-2017	Rev.:	Init.: MIKE	Drawing no.: DV Control system - Gen 3	Total sheets: 36



systemair		Analog input	Project: DV Control system - ver. 03.01 GB	Version.: 03.00	Function decription:	Sheet: 39	Next sheet: =A1/40		
			Create Date: 25-05-2017	Rev Date.:	Rev No.:	Init.: MIKE	Drawing no.: DV Control system - Gen 3	Total sheets: 36	



UI1

UI — SystemAir A/S Corrigo E28

-C2

Pre-heat Temp.

UI1:41

33.8.E

Slave controller

UI2

UI — SystemAir A/S Corrigo E28

-C2

UI2:42

33.8.F

Slave controller

UI3

UI — SystemAir A/S Corrigo E28

-C2

UI3:44

33.8.G

Slave controller

UI4

UI — SystemAir A/S Corrigo E28

-C2

UI4:45

33.8.G

Slave controller

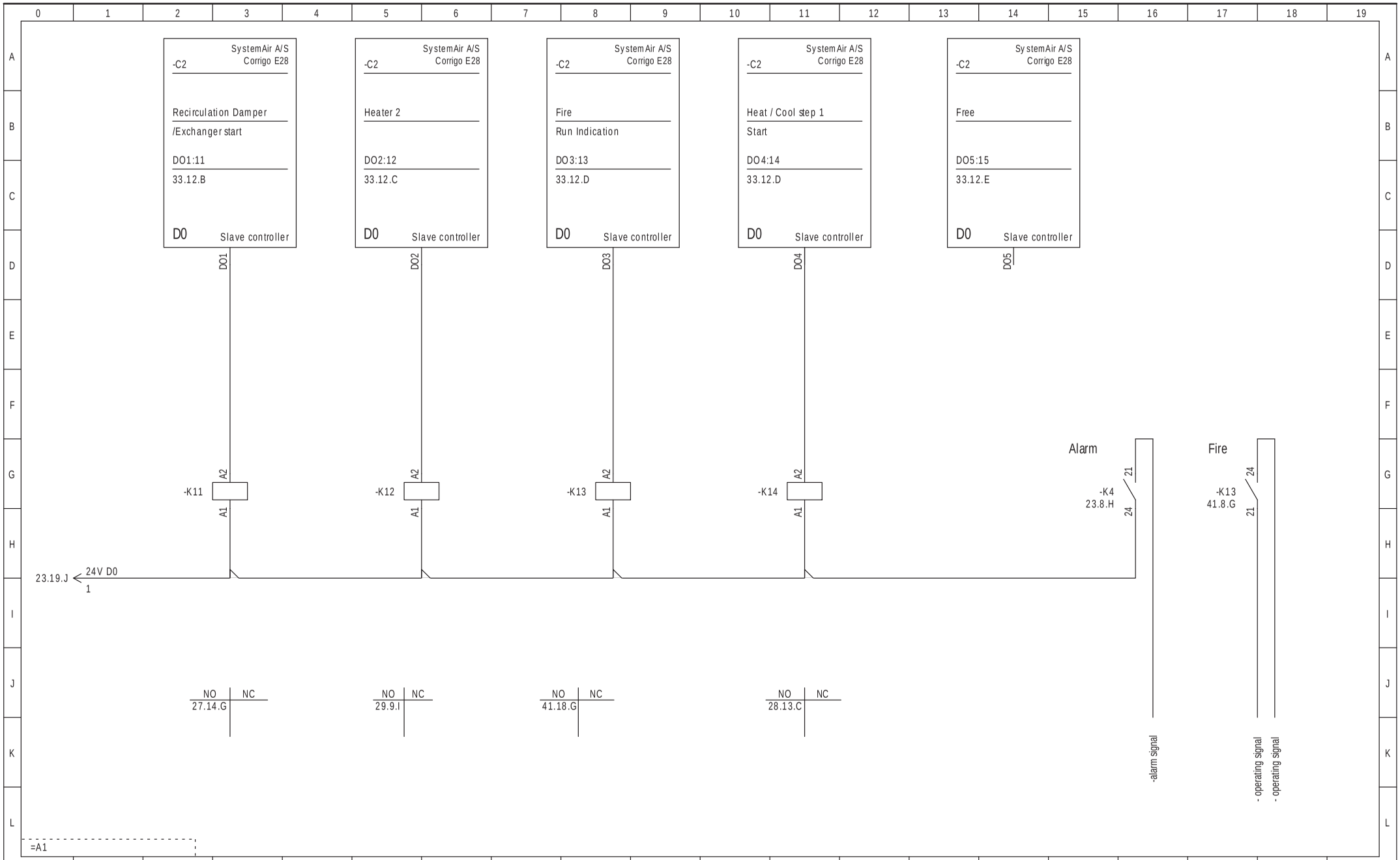
**option

=A1

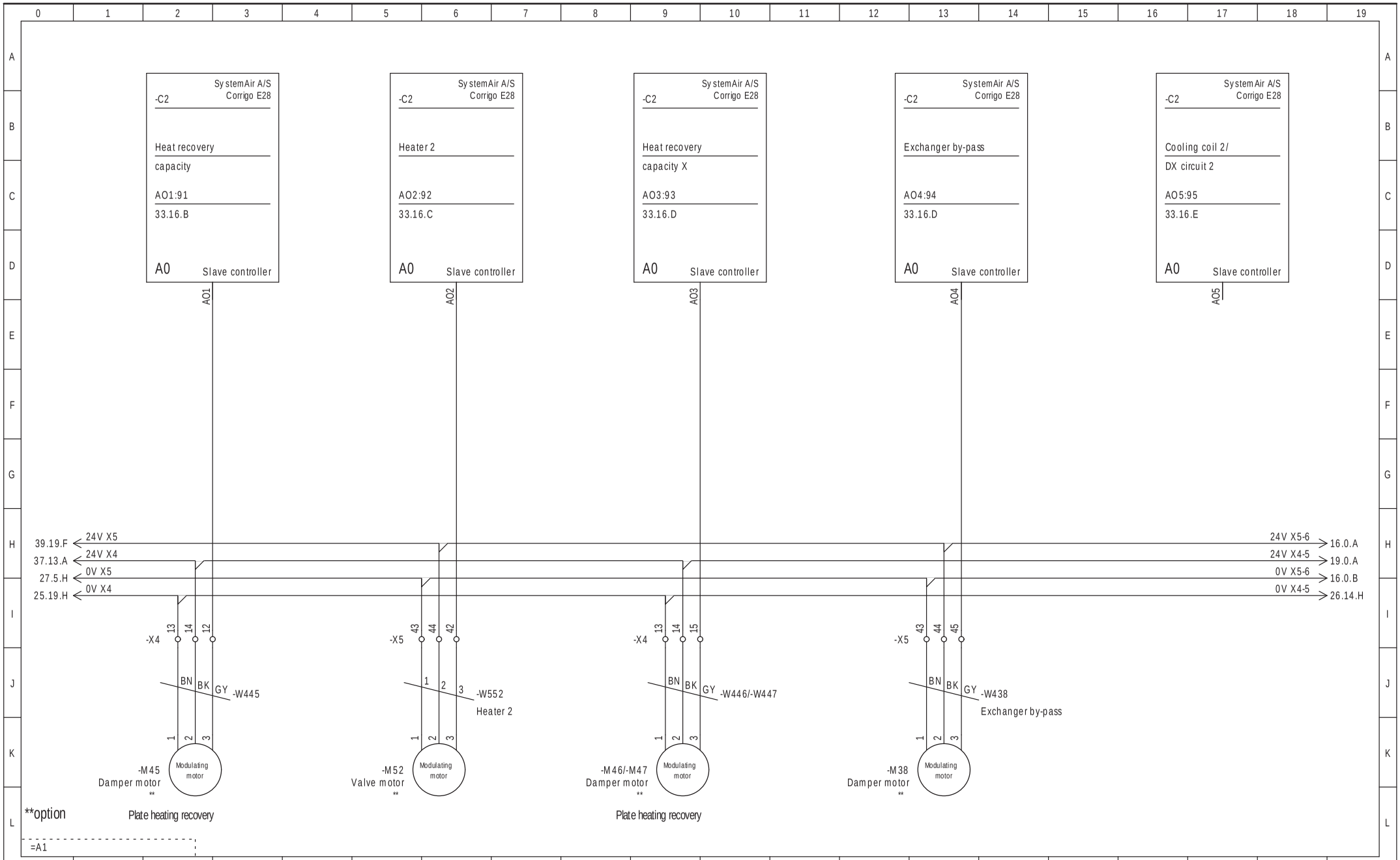
systemair

Universal input

Project: DV Control system - ver. 03.01 GB	Version.: 03.00	Function decription:	Sheet: 40	Next sheet: =A1/41		
Create Date: 25-05-2017	Rev Date.:	Rev No.:	Init.: MIKE	Drawing no.: DV Control system - Gen 3	Total sheets: 36	



systemair		Digital output	Project: DV Control system - ver. 03.01 GB		Version.: 03.00	Function decription:		Sheet: 41		Next sheet: =A1/42
			Create Date: 25-05-2017	Rev Date.:	Rev No.:	Init.: MIKE	Drawing no.: DV Control system - Gen 3			Total sheets: 36



systemair		Analog output	Project: DV Control system - ver. 03.01 GB	Version.: 03.00	Function decription:	Sheet: 42	Next sheet: =EC/32		
			Create Date: 25-05-2017	Rev Date.:	Rev No.:	Init.: MIKE	Drawing no.: DV Control system - Gen 3	Total sheets: 36	

Systemair setting of ECblue modbus

COM Baudrate: 9600Bd

COM Mode: 8N1

BUS Address: Supply air, 1 and (3,Twin fans)

Extract air, 2 and (4,Twin fans)

D1: 19D

D1 is set to disable internal safety functions that protects the motor (fire mode)

Normal speed control of the fan is possible in this mode.

Function is active if D1 is open = no signal.

=EC

Set-up Danfoss FC101 for DV-units with AC motors

Connections:

Modbus	Terminal 61(N) - 68(B) - 69(A)
Thermistor:	Terminal 50-53
Wire jumper:	Terminal 12-19 (no fire)

Systemair factory set-up is based on Danfoss initialisation.

14-22: Operation mode:	[2] Initialisation (Danfoss Initialisation)

Systemair factory set-up:

0-01: Language selection:	
1-03: Torque characteristic:	Single fan: [3] Auto-Energy optim. With twin fan set-up: [1] Variable Torque
1-20: Motor Power:	According to motor plate / order papers With twin fan set-up total power must be used
1-24: Motor Current:	According to motor plate / order papers With twin fan set-up total current must be used
1-25: Motor Nominal Speed:	According to motor plate / order papers
1-42: Motor Cable Length:	3m
1-50: Motor Magnetisation at zero speed.:	0 %
1-52: Min. Speed Normal Magnetisation:	10 Hz
1-73: Flying Start:	[1] Enabled
1-90: Motor Thermal Protection:	[2] Thermistor trip
1-93: Thermistor Source:	[1] Analog input AI53
3-03: Maximum Reference:	Max. Hz from order papers
3-15: Reference Resource 1:	[11] Local bus reference
3-16 + 3-17: Reference 2- and 3 Source:	[0] No function
3-41: Ramp 1 up and down:	60 Sec.
3-42: Ramp 1 Down time:	30 Sec.
4-14: Motor Speed High Limit:	90Hz
4-19: Max. Output Frequency:	90Hz
5-10: Terminal 18 Digital Input	[0] No operation
5-11: Terminal 19 Digital Input	[37] Fire mode
5-12: Terminal 27 Digital input:	[0] No operation
5-40.0: Function Relay:	[3] Drive ready/remote
5-40.1: Function Relay:	[3] Drive ready/remote
6-25: Terminal 54 High Reference:	Max. Hz from order papers
8-01: Control Site	[0] Digital and ctrl.word
8-02: Control Source	[1] FC Port
8-03: Control Timeout Time	10 sec.
8-04: Control Timeout Function	[2] Stop
8-30: Protocol	[2] Modbus RTU
8-31: Address:	1-Supply #1. 3-Supply #2. 2-Extract #1. 4-Extract #2.
8-32: FC Port Baud Rate	[2] 9600 Baud
8-33: FC Port Parity	[2] No Parity, 1 stop Bit
14-20: Reset Mode:	[2] Automatic reset x 2
24-00: Fire mode function	[1] Enabled run forward
24-05: Fire mode Preset Reference	50%
24-09: Fire mode Alarm Handling	[1] Trip, Critical Alarms
0-50: LCP Copy:	[1] All to LCP (Copy of settings to panel)

To store Systemair factory settings from the control panel:

0-50: LCP Copy:	[2] All from LCP

=FC

Set-up Danfoss FC101 for DV-units with PM motors

Connections:

Modbus	Terminal 61(N) - 68(B) - 69(A)
Thermistor:	Terminal 50-53
Wire jumper:	Terminal 12-19 (no fire)

Systemair factory set-up is based on Danfoss initialisation.

14-22: Operation mode:	[2] Initialisation (Danfoss Initialisation)

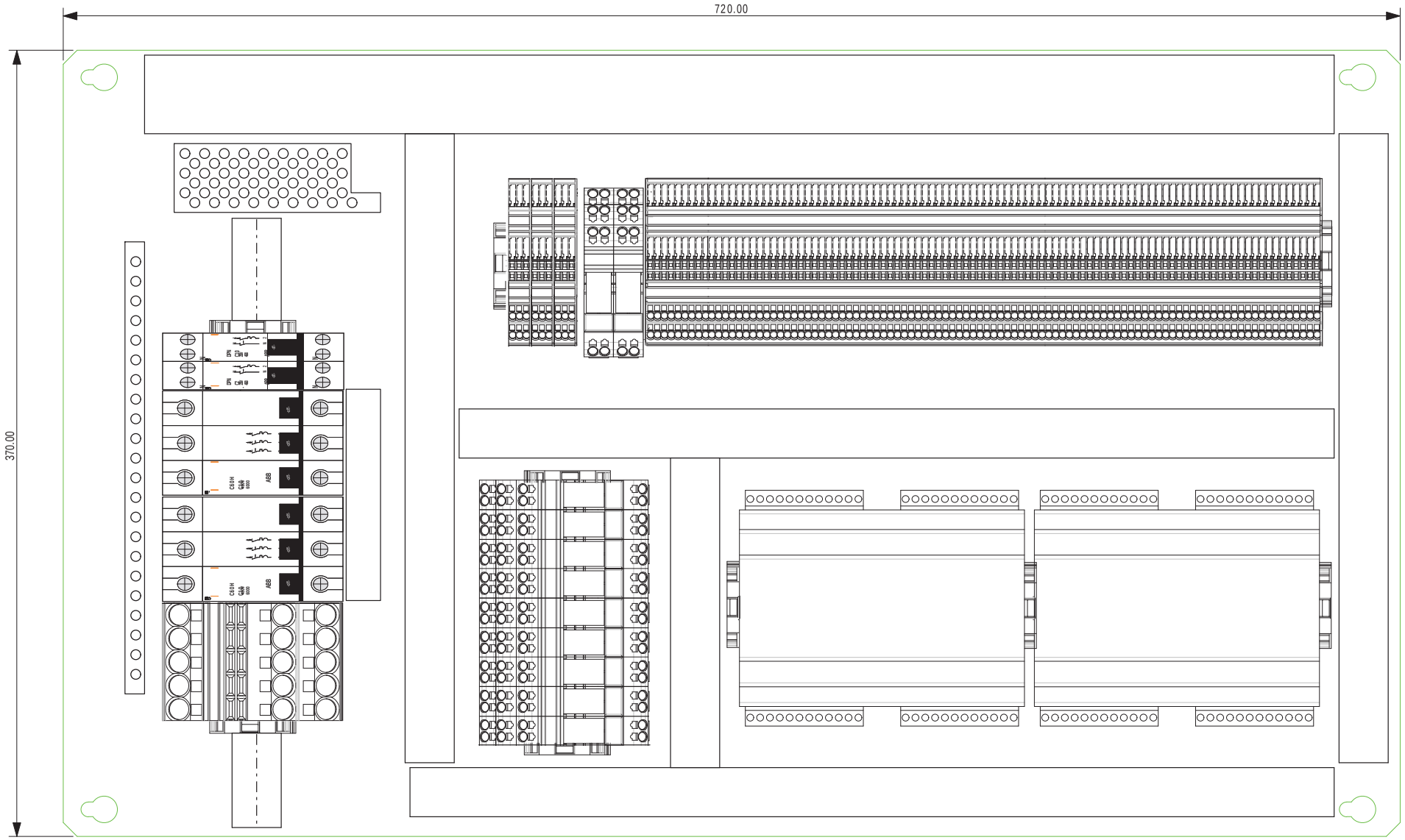
Systemair factory set-up:

0-01: Language selection:	
1-06: Clockwise Direction:	[1] Inverse
1-10: Motor Construction:	[1] PM, non salient SPM
1-24: Motor Current:	According to motor plate / Schedule
1-25: Motor Nominal Speed:	According to motor plate / Schedule
1-26: Motor Cont. Rated torque:	According to motor plate / Schedule
1-30: Stator Resistance (Rs):	According to motor plate / Schedule
1-37: d-axis inductance (Ld):	According to motor plate / Schedule
1-39: Motor Poles:	According to motor plate / Schedule
1-40: Back EMF at 1000 RPM:	According to motor plate / Schedule
1-42: Motor Cable Length:	3m
1-73: Flying start	[1] Enabled
1-90: Motor Thermal Protection:	[2] Thermistor trip
1-93: Thermistor Source:	[1] Analog input AI53
2-01: DC brake Current:	100 %
2-02: DC braking Time:	20.0 Sec.
2-07: Parking time:	10.0 Sec.
3-03: Maximum Reference:	According to motor plate / Schedule
3-15: Reference Resource 1:	[11] Local bus reference
3-16 + 3-17: Reference 2- and 3 Source:	[0] No function
3-41: Ramp 1 Up Time:	According to PM Schedule
3-42: Ramp 1 Down Time:	According to PM Schedule
4-14: Motor Speed High Limit:	According to motor plate / Schedule
4-19: Max. Output Frequency:	According to motor plate / Schedule
5-10: Terminal 18 Digital Input	[0] No operation
5-11: Terminal 19 Digital Input	[37] Fire mode
5-12: Terminal 27 Digital input:	[0] No operation
5-40.0: Function Relay:	[3] Drive ready/remote
5-40.1: Function Relay:	[3] Drive ready/remote
6-25: Terminal 54 High Reference:	According to motor plate / Schedule
8-01: Control Site	[0] Digital and ctrl.word
8-02: Control Source	[1] FC Port
8-03: Control Timeout Time	10 sec.
8-04: Control Timeout Function	[2] Stop
8-30: Protocol	[2] Modbus RTU
8-31: Address:	1-Supply #1. 3-Supply #2. 2-Extract #1. 4-Extract #2.
8-32: FC Port Baud Rate	[2] 9600 Baud
8-33: FC Port Parity	[2] No Parity, 1 stop Bit
14-20: Reset Mode:	[2] Automatic reset x 2
24-00: Fire mode function	[1] Enabled run forward
24-05: Fire mode Preset Reference	50%
24-09: Fire mode Alarm Handling	[1] Trip, Critical Alarms
0-50: LCP Copy:	[1] All to LCP (Copy of settings to panel)

To store Systemair factory settings from the control panel:

0-50: LCP Copy:	[2] All from LCP

Menu:	3-41	3-42	1-24	1-25	1-26	1-30	1-37	1-39	1-40	3-03	4-14	4-19	6-25
Motor Type	Ramp up	Ramp Down	Amp Name plate	Motor RPM rated	Nm Name plate	Ohm [Rf-0]	mH [Lf-0]	Poles	Bemf @ 1000	Max Hz	Max motor Hz	Max motor Hz	Max Hz
HPS 71 3800 18	30	20	1,9	3800	2,0	3,900	11,75	6	67	196	200	200	196
HPS 71 3700 28	30	20	3,0	3700	3,6	2,100	8,25	6	79	191	194	194	191
HPS 71 3300 18	30	20	1,9	3300	2,6	6,250	19,25	6	85	170	173	173	170
HPS 71 3200 30	30	20	3,2	3200	4,2	2,000	8,05	6	84	161	168	168	161
HPS 71 2900 21	30	20	2,4	2900	3,3	4,550	15,40	6	91	143	152	152	143
HPS 71 2800 40	30	20	4,1	2800	6,1	1,750	7,15	6	100	144	147	147	144
HPS 71 2500 29	30	20	3,1	2500	5,0	3,700	13,00	6	105	129	131	131	129
HPS 71 2350 38	30	20	4,2	2350	7,3	2,400	10,85	6	115	120	123	123	120
HPS 90 2650 64	30	30	7,0	2650	9,6	1,150	11,40	8	89	182	186	186	182
HPS 90 2350 76	30	30	8,1	2350	13,0	0,800	10,00	8	103	159	165	165	159
HPS 90 2100 63	30	30	6,7	2100	10,5	1,500	14,75	8	100	142	147	147	142
HPS 90 2050 100	30	30	10,7	2050	19,0	0,700	8,50	8	115	140	144	144	140
HPS 90 1850 84	30	30	8,9	1850	16,0	0,875	11,50	8	117	127	130	130	127
HPS 90 1900 136	30	30	15,3	1900	26,0	0,575	7,25	8	110	127	133	133	127
HPS 90 1700 106	30	30	11,3	1700	22,0	0,575	7,25	8	121	116	119	119	116
HPS 112 1550 108	30	60	11,7	1550	32,0	0,750	8,75	6	178	80	81	81	80
HPS 112 1700 145	30	60	15,5	1700	39,0	0,465	5,45	6	162	88	89	89	88
HPS 112 1350 135	60	60	14,8	1350	44,0	0,570	6,95	6	206	69	71	71	69
HPS 112 1500 187	60	60	19,2	1500	54,0	0,350	5,00	6	182	76	79	79	76
HPS 112 1000 140	60	60	15,0	1000	51,0	0,520	7,75	6	220	54	53	65	54
HPS 132 1250 199	60	60	21,3	1250	69,0	0,320	7,60	6	210	65	66	66	65
HPS 132 1000 202	60	60	21,6	1000	77,0	0,375	9,25	6	230	51	53	53	51
HPS 132 1150 300	60	60	32,1	1150	104,0	0,235	8,00	6	230	58	60	60	58
HPS 132 930 273	60	60	29,4	930	118,0	0,280	9,75	6	261	46	49	49	46



systemair		Switchboard	Project: DV Control system - ver. 03.01 GB	Drawing no.: DV Control system - Gen 3	Init.: MIKE	Version.: 03.00	Sheet: 45
			Date: 25-05-2017	Function:	Cabinet:	Total sheets: 1	Next sheet:

Cabelplan

Path
Sheet
12.E 12.E 13.E 13.E
11 11 11 11
13.F 13.F 13.F 14.F
30 30 30 30
17.E 17.E 18.E 18.E
11 11 11 11
=A1-W111
Description: VLT Supplyair
Type: Y-OZ
Dimension:
Length: m
+PM-F1:3
+PM-F1:1
+PM-F1:5
-X1:PE
BK Black mm²
BN Brown mm²
GY Gray mm²
PE Green-Yellow mm²
-T11
Supply air
VLT Converter
AIN 10V
L1 L2 L3 PE
53 50 U V W PE
=A1-W112
Description: VLT extract power
Type: Y-OZ
Dimension:
Length: m
+PM-F2:3
+PM-F2:1
+PM-F2:5
-X1:PE
BK Black mm²
BN Brown mm²
GY Gray mm²
PE Green-Yellow mm²
-T12
extract air
VLT Converter
AIN 10V
L1 L2 L3 PE
53 50 U V W PE
=A1-W113
Description: VLT Supplyair
Type: Y-OZ
Dimension:
Length: m
+PM-F1:3
+PM-F1:1
+PM-F1:5
-X1:PE
BK Black mm²
BN Brown mm²
GY Gray mm²
PE Green-Yellow mm²
-T13
Supply air
VLT Converter
AIN 10V
L1 L2 L3 PE
53 50 U V W PE

systemair

Project	DV Control system - ver. 03.01 GB	Init.: MIKE	Rev.: 03.00	Sheet 42
Date 20-10-2017	Funk	Dok. number DV Control system - Gen 3		Page 70

Cableplan

=A1-W114

Description: VLT extract power

Type: Y-OZ
Dimension:
Length: m

-T14
extract air

VLT Converter

53	AIN 10V
50	
U	
V	
W	
PE	
L1	
L2	
L3	
PE	

BK	Black	mm²	+PM-F2.3
BN	Brown	mm²	+PM-F2.1
GY	Gray	mm²	+PM-F2.5
PE	Green-Yellow	mm²	-XL1-PE

=A1-W121

Description: VLT Supplyair

Type: Y-OZ
Dimension:
Length: m

-T21
Supply air

VLT Converter

53	AIN 10V
50	
U	
V	
W	
PE	
L1	
L2	
L3	
PE	

BK	Black	mm²	+AC -F1.3
BN	Brown	mm²	+AC -F1.1
GY	Gray	mm²	+AC -F1.5
PE	Green-Yellow	mm²	-XL1-PE

=A1-W122

Description: VLT extract power

Type: Y-OZ
Dimension:
Length: m

-T22
extract air

VLT Converter

53	AIN 10V
50	
U	
V	
W	
PE	
L1	
L2	
L3	
PE	

BK	Black	mm²	+AC -F2.3
BN	Brown	mm²	+AC -F2.1
GY	Gray	mm²	+AC -F2.5
PE	Green-Yellow	mm²	-XL1-PE

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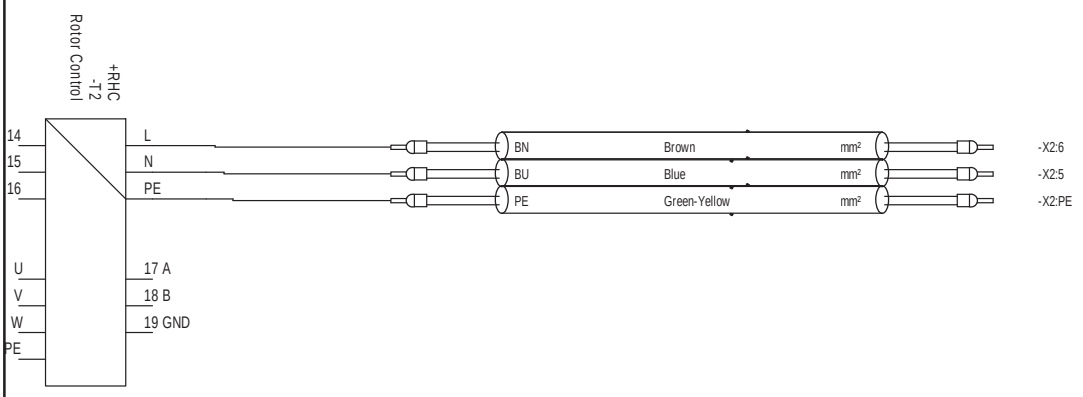
	30 17.F
	30 17.F
	30 18.F
	30 18.F
	30 4.F
	30 3.F
	30 3.F
	30 3.F
	11 3.E
	11 3.E
	11 2.E
	11 3.E

Cabelplan

=A1-W232

Description: VVX Power

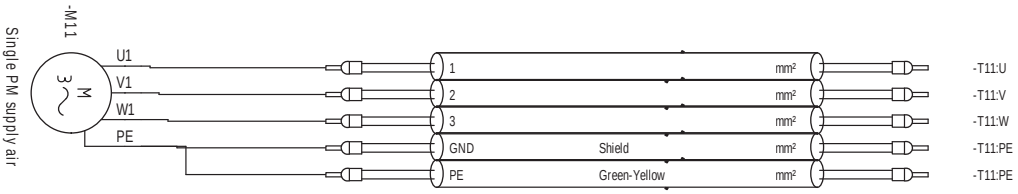
Type: Y-OZ
Dimension:
Length: m



=A1-W311

Description: motor supplyair

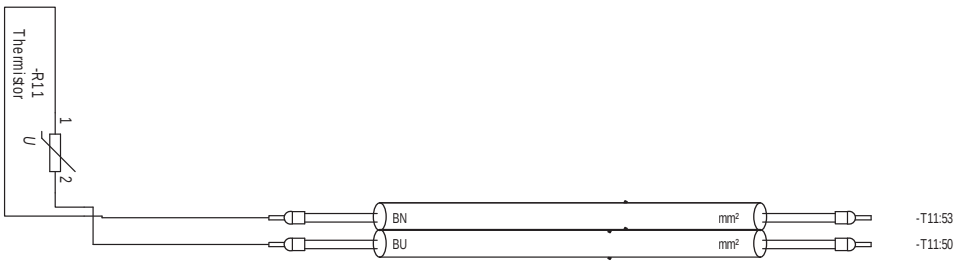
Type: Y-OZ
Dimension:
Length: m



=A1-W311.1

Description: Supply thermistor

Type: Y-OZ
Dimension:
Length: m



Sheet	Path
29	13.K
29	13.K
29	13.K
11	12.J
11	12.J
11	13.J
11	13.J
11	13.J
11	11.J
11	11.J

systemair

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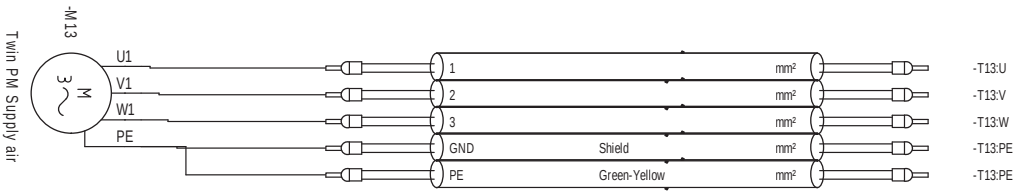
Cabelplan

=A1-W313

Description: motor supplyair

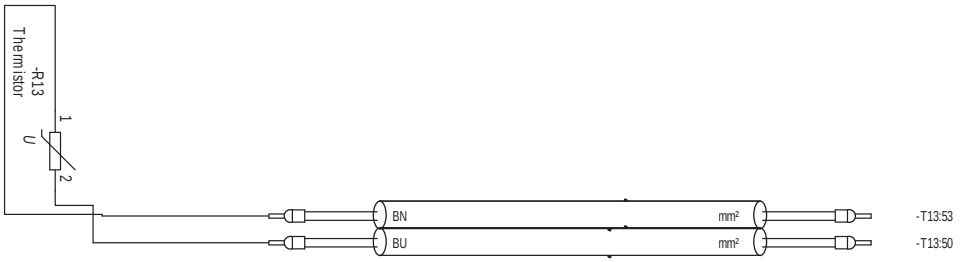
Type: Y-OZ
Dimension:
Length: m



=A1-W313.1

Description: Supply thermistor

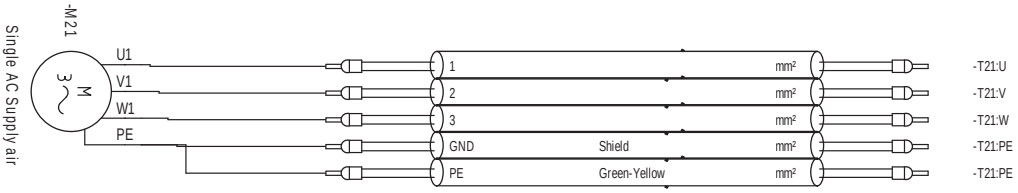
Type: Y-OZ
Dimension:
Length: m



=A1-W321

Description: motor supplyair

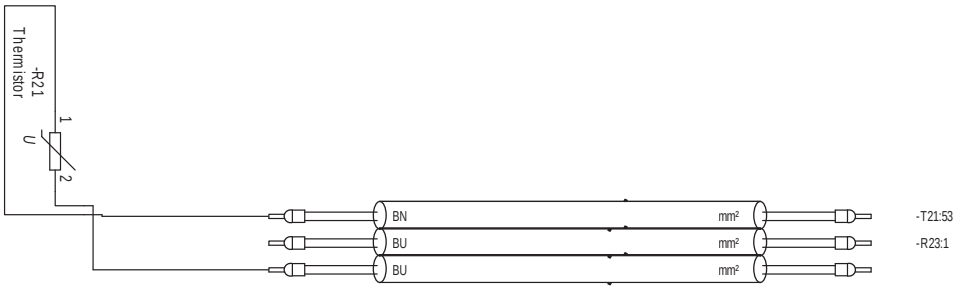
Type: Y-OZ
Dimension:
Length: m



=A1-W321.1

Description: Supply thermistor

Type: Y-OZ
Dimension:
Length: m



Sheet	Path
11	17.J
11	17.J
11	18.J
11	18.J
11	18.J
11	16.J
11	16.J
11	2.J
11	3.J
11	3.J
11	3.J
11	3.J
11	1.J
11	1.J
11	1.J

systemair

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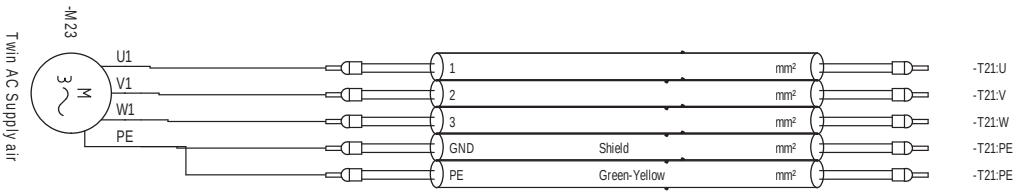
Cabelplan

=A1-W323

Description: motor supplyair

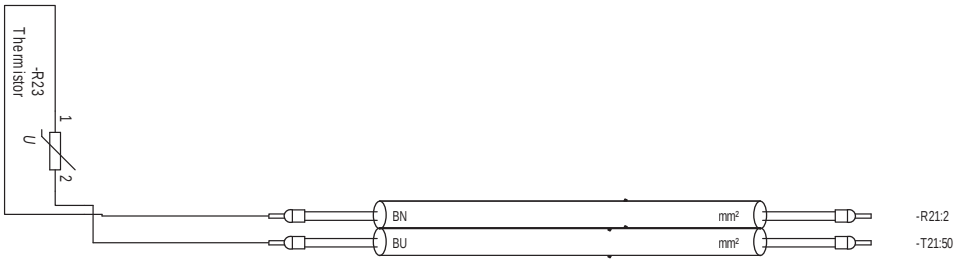
Type: Y-OZ
Dimension:
Length: m



=A1-W323.1

Description: Supply thermistor

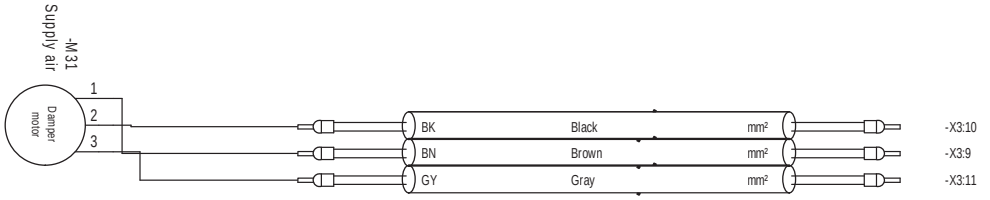
Type: Y-OZ
Dimension:
Length: m



=A1-W331

Description: Supply air damper on/off

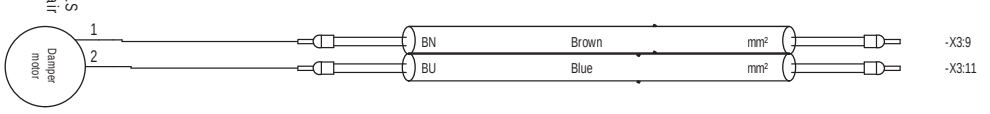
Type: Y-OZ
Dimension:
Length: m



=A1-W331S

Description: Supply air damper springreturn

Type: Y-OZ
Dimension:
Length: m



Sheet	Path
11	7.J
11	7.J
11	7.J
11	8.J
11	7.J
11	5.J
11	6.J
24	5.J
24	5.J
24	5.J
24	8.J
24	8.J

systemair

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=A1-W332

Description: Rotor Motor

Type:
Dimension:
Length: m

+RHC
-M32
Rotor Motor

U1	1	mm²		mm²	1	+RHC-T2:U
V1	2	mm²		mm²	2	+RHC-T2:V
W1	3	mm²		mm²	3	+RHC-T2:W
PE	PE	mm²		mm²	PE	+RHC-T2:PE

=A1-W333/S

Description: Rec mix damper

Type: Y-OZ
Dimension:
Length: m

-M33/S
Rec damper

1	BK	Black	mm²			-X3:23
2	BN	Brown	mm²			-X3:24
3	GY	Gray	mm²			-X3:22

=A1-W335

Description: Rec damper

Type: Y-OZ
Dimension:
Length: m

-M35
Rec damper

1	BK	Black	mm²			-X3:23
2	BN	Brown	mm²			-X3:24
3	GY	Gray	mm²			-X3:25

=A1-W335S

Description: Rec damper

Type:
Dimension:
Length: m

-M35S
Rec damper

1	BU	Blue	mm²			-X3:25
2	BN	Braun	mm²			-X3:24

Sheet	Path
36	14.J
36	14.J
36	15.J
36	15.J
36	15.J
27	10.J
27	10.J
27	10.J
27	14.J
27	14.J
27	14.J
27	16.J
27	16.J

systemair

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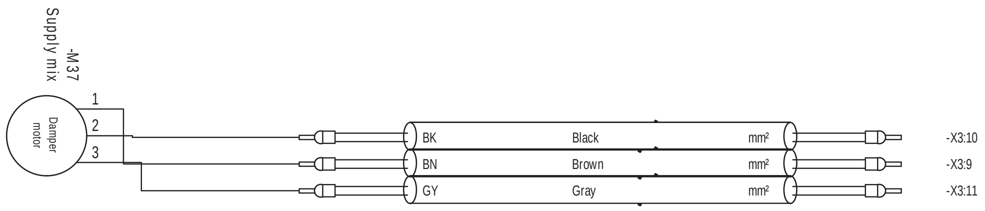
=A1-W337

Description: Supply air damper on/off

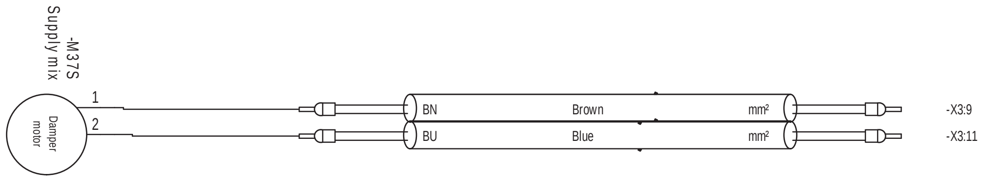
Type: Y-OZ
Dimension:
Length: m



=A1-W337S

Description: Supply air damper springreturn

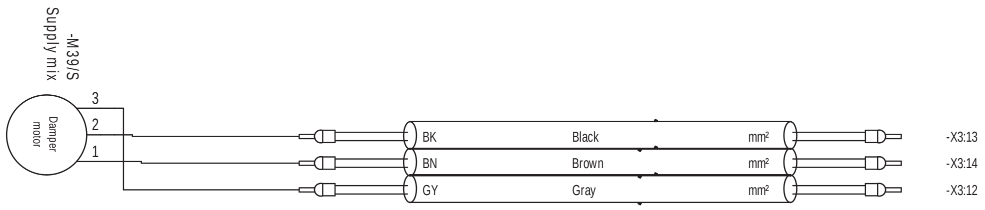
Type: Y-OZ
Dimension:
Length: m



=A1-W339/S

Description: Supply mix

Type:
Dimension:
Length: m



Sheet	Path
24	11.J
24	10.J
24	11.J
24	13.J
24	14.J
24	16.J
24	17.J
24	16.J

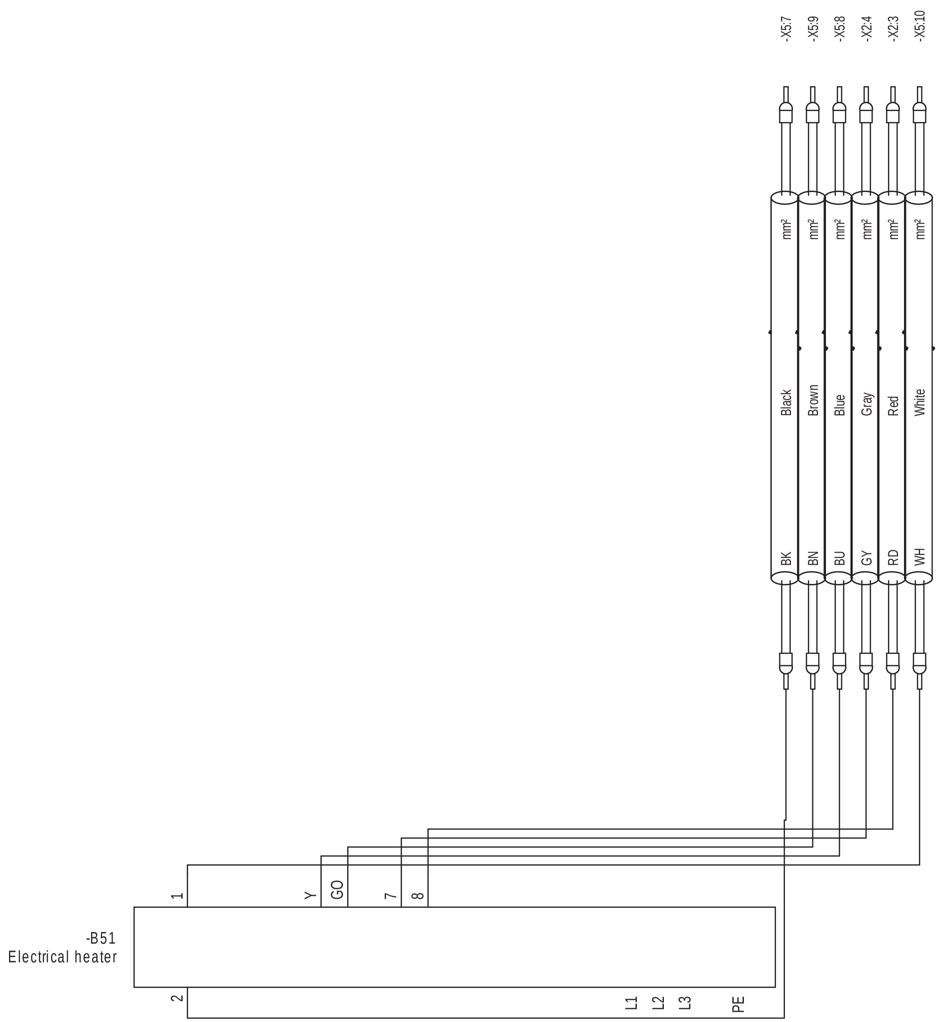
Cabelplan

=A1-W351

Description: Electrical heating coil

Type:
Dimension:
Length: m

Path	5.G	7.C	6.C	7.C	7.D	5.C
Sheet	20	20	20	20	20	20



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=A1-W353

Description: Pre-heating

Type:
Dimension:
Length: m

-B53
Electrical pre-heater

1	
2	
G0	
Y	
7	
8	
L1	
L2	
L3	
N	
PE	

-X3:21	mm²	Black	mm²	BK
-X3:20	mm²	Brown	mm²	BN
-X3:19	mm²	Blue	mm²	BU
-X2:2	mm²	Gray	mm²	GY
-X2:1	mm²	Red	mm²	RD
-X3:18	mm²	White	mm²	WH

Path	Sheet
26	2.J
26	4.J
26	4.J
26	5.J
26	6.J
26	2.J

=A1-W355

Description: Temperatur sensor supply air

Type:
Dimension:
Length: m

-BT5
Temperature sensor

PL1000

-X3:4	mm²	Brown	mm²	BN
-X3:3	mm²	Blue	mm²	BU

Path	Sheet
21	3.D
21	3.D

systemair

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=A1-W357

Description: Frost protection heating coil
Type:
Dimension:
Length: m

-BT10
Temperature sensor **

PL000

-X3:5	BK	Black	mm²	
-X3:4	WH	White	mm²	

=A1-W359

Description: Capilarsensor
Type:
Dimension:
Length: m

-BT11
Capilar sensor

Red
White

-X3:15	BN	brown	mm²	
-X3:16	BU	Blue	mm²	

=A1-W361

Description: Capilarsensor bulb
Type:
Dimension:
Length: m

-BT12
Capilar bulb

Red
White

-X3:16	BN	Brown	mm²	
-X3:17	BU	Blue	mm²	

=A1-W363

Description: Filterguard Supply
Type:
Dimension:
Length: m

-BP5
Filterguard

-X3:27	BN	Braun	mm²	
-X3:26	BU	Blue	mm²	

Path	Sheet
7.D	21
7.D	21
6.E	37
6.C	37
17.G	25
17.E	25
17.D	25
17.B	25

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Cableplan

=A1-W365

Description:

Type:
Dimension:
Length: m

-BP7
Pressure transmitter **

ANG
24V
P
0-10V

BK	Black	mm²	-X3:7	
BN	Braun	mm²	-X3:8	
GY	Gray	mm²	-X3:6	

Path	Sheet
	22 11.D
	22 12.D
	22 11.D

=A1-W367

Description: Pre-heat Temp.

Type:
Dimension:
Length: m

-BT13
Pre-heat temp.
(water heater)

PL1000

BK	Black	mm²	-X3:29	
WH	White	mm²	-X3:28	

Path	Sheet
	40 2.C
	40 2.C

=A1-W369

Description: Pre-heat Temp.

Type:
Dimension:
Length: m

-BT14
Pre-heat Temp.
(electical heater)

PL1000

BK	Black	mm²	-X3:29	
WH	White	mm²	-X3:28	

Path	Sheet
	40 5.C
	40 4.C

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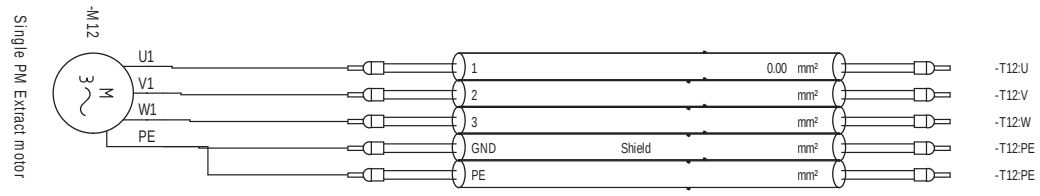
systemair

Cabelplan

=A1-W412

Description: motor extractair

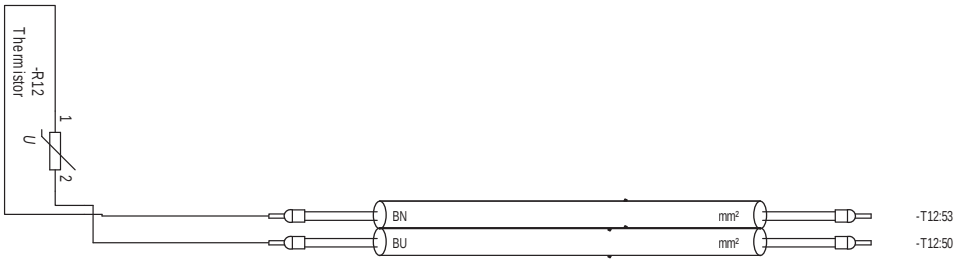
Type: Y-OZ
Dimension:
Length: m



=A1-W412.1

Description: Extract thermistor

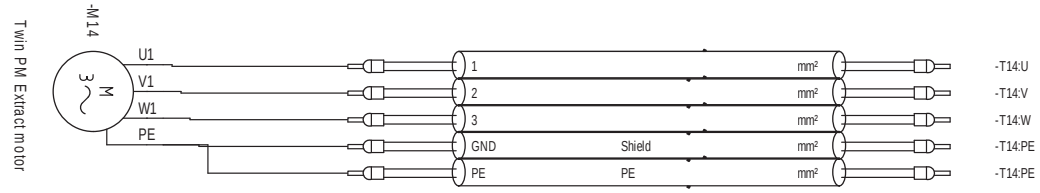
Type: Y-OZ
Dimension:
Length: m



=A1-W414

Description: motor extractair

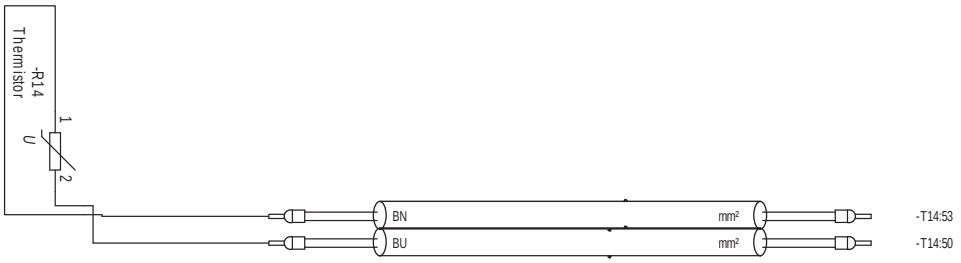
Type: Y-OZ
Dimension:
Length: m



=A1-W414.1

Description: Extract thermistor

Type: Y-OZ
Dimension:
Length: m



Sheet	Path
30	13.J
30	13.J
30	13.J
30	14.J
30	14.J
30	12.J
30	12.J
30	17.J
30	17.J
30	18.J
30	18.J
30	18.J
30	16.J
30	16.J

systemair

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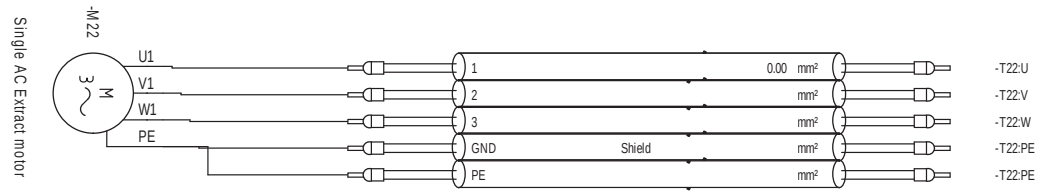
=A1-W422

Description: motor extractair

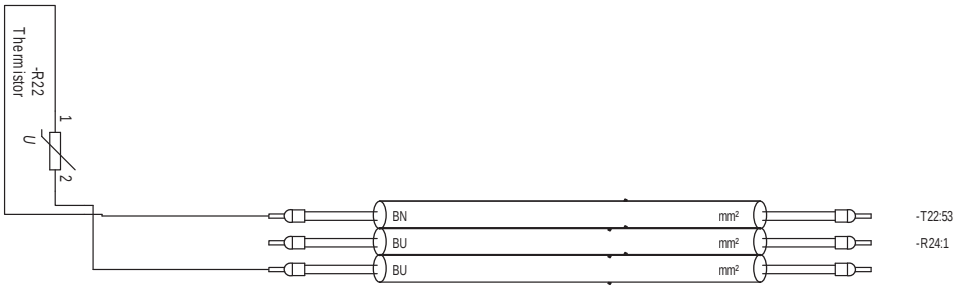
Type: Y-OZ
Dimension:
Length: m



=A1-W422.1

Description: Extract thermistor

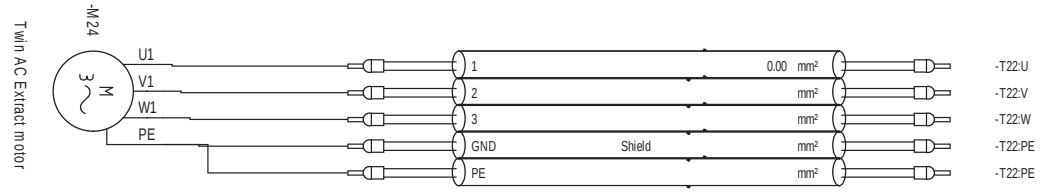
Type: Y-OZ
Dimension:
Length: m



=A1-W424

Description: motor extractair

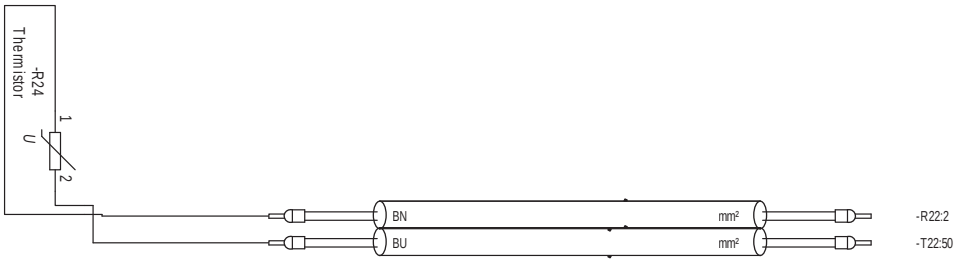
Type: Y-OZ
Dimension:
Length: m



=A1-W424.1

Description: Extract thermistor

Type: Y-OZ
Dimension:
Length: m



Sheet	Path
30	3.J
30	3.J
30	3.J
30	4.J
30	4.J
30	2.J
30	2.J
30	2.J
30	8.J
30	8.J
30	8.J
30	9.J
30	8.J
30	6.J
30	7.J

systemair

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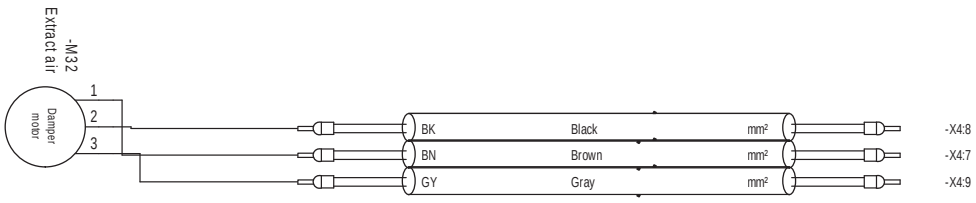
=A1-W432

Description: Extract air damper on/off

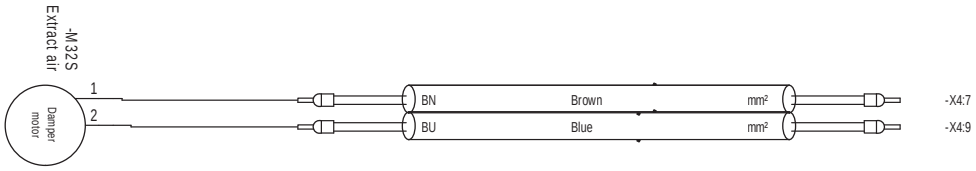
Type: Y-OZ
Dimension:
Length: m



=A1-W432S

Description: Extract air damper spring

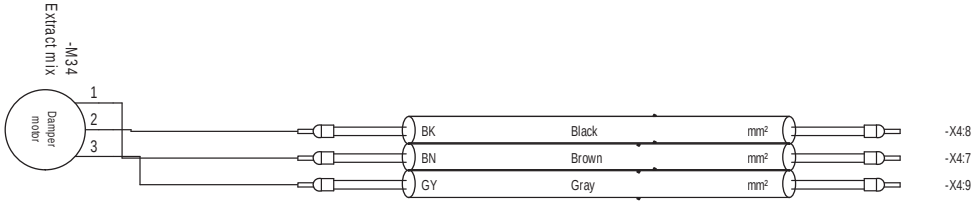
Type: Y-OZ
Dimension:
Length: m



=A1-W434

Description: mix extract damper on/off

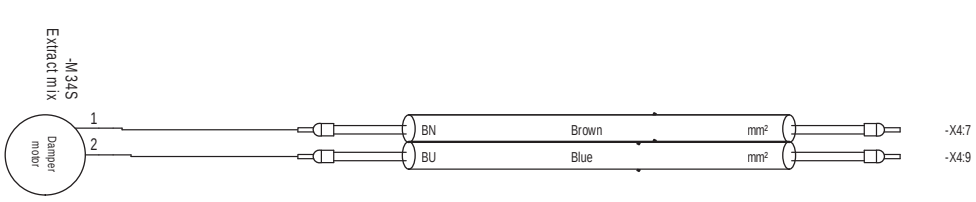
Type:
Dimension:
Length: m



=A1-W434S

Description: Mix extract damper spring

Type:
Dimension:
Length: m



Sheet	Path
25	5.J
25	5.J
25	5.J
25	7.J
25	8.J
25	11.J
25	10.J
25	11.J
25	13.J
25	13.J

systemair

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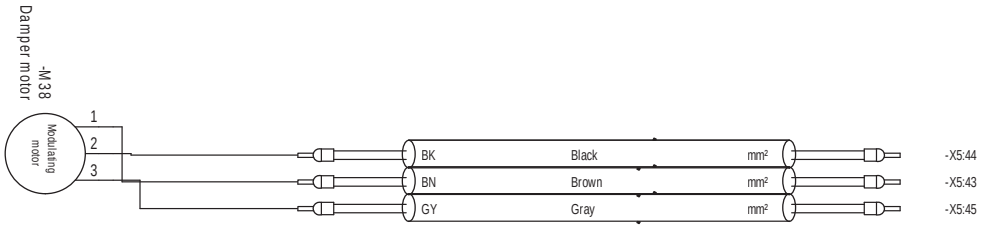
=A1-W438

Description: Exchanger by-pass

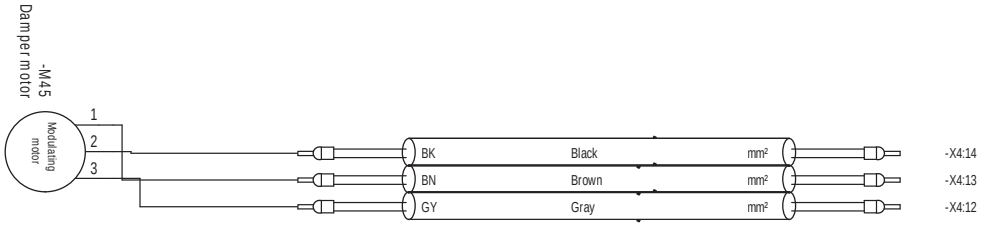
Type:
Dimension:
Length: m



=A1-W445

Description: Bypass plate heating

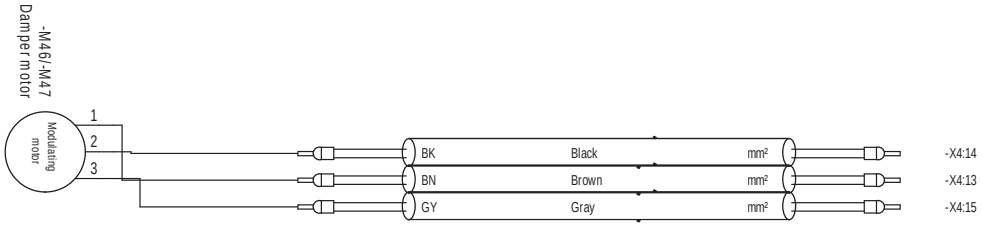
Type: Y-OZ
Dimension:
Length: m



=A1-W446/-W447

Description: Bypass plate heating

Type: Y-OZ
Dimension:
Length: m



Sheet	Path
42	13.J
42	13.J
42	13.J
42	2.J
42	2.J
42	2.J
42	9.J
42	9.J
42	10.J

systemair

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Cabelplan

=A1-W456

Description: Fire termostat extract air

Type:
Dimension:
Length: m

-FM2
Fire termostat extract air

-X4:5	BN	Brown	mm²		
-X4:6	BU	Blue	mm²		

=A1-W457

Description: Fire termostat supply air

Type:
Dimension:
Length: m

-FM1
Fire termostat supply air

-X4:4	BN	Brown	mm²		
-X4:5	BU	Blue	mm²		

=A1-W458

Description: Smoke det.

Type:
Dimension:
Length: m

-FM3
Smoke det.

-X4:3	BK	Black	mm²		
-X4:4	BN	Brown	mm²		
-X4:6	GY	Gray	mm²		

Sheet	Path
19	12.F
19	12.G
19	12.C
19	12.D
19	18.D
19	18.D
19	17.G

systemair

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Cableplan

=A1-W460

Description: Fire

Type: 2x0,75
Dimension:
Length: m

-K1:21 — BK — Blue — mm² — mm² — BK — -K1:24
-K1:24 — BN — Brown — mm² — mm² — BN — -K1:21

=A1-W464

Description: Filterguard Extract

Type:
Dimension:
Length: m

-BP6
Filterguard

P
3
1

-X4:11 — BN — Braun — mm² — mm² — BU — -X4:10
-X4:10 — BU — Blue — mm² — mm² — BN — -X4:11

=A1-W507

Description: Outdoor sensor

Type:
Dimension:
Length: m

-BT7
Temperature sensor **

PL000

-X5:17 — BN — Brown — mm² — mm² — BU — -X5:16
-X5:16 — BU — Blue — mm² — mm² — BN — -X5:17

=A1-W508

Description: Room sensor 1

Type:
Dimension:
Length: m

-BT8
Temperature sensor **

PL000

-X5:19 — BN — Brown — mm² — mm² — BU — -X5:20
-X5:20 — BU — Blue — mm² — mm² — BN — -X5:19

Sheet	Path
34	13.1
34	13.1
37	11.C
37	11.E
22	3.D
22	3.D
22	15.D
22	15.D

systemair

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=A1-W509

Description: Room sensor 2

Type:
Dimension:
Length: m

-BT9
Temperature sensor **

PL1000

-X5:17	mm²	Brown	BN	
-X5:18	mm²	Blue	BU	

=A1-W513

Description: Pressure Supply air external

Type: Y-OZ
Dimension:
Length: m

-BP3
Pressure transmitter
DPT

ANG
P
24V
0-10V

-X5:12	mm²	Black	BK	
-X5:14	mm²	Brown	BN	
-X5:13	mm²	Gray	GY	

=A1-W514

Description: Pressure Extract air external

Type: Y-OZ
Dimension:
Length: m

-BP4
Pressure transmitter
DPT

ANG
P
24V
0-10V

-X5:15	mm²	Black	BK	
-X5:14	mm²	Brown	BN	
-X5:13	mm²	Gray	GY	

Sheet	Path
21	15.D
21	16.D
21	15.D
21	11.D
21	12.D
21	11.D
22	7.D
22	6.D

systemair

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Cabelplan

=A1-W515

Description: CO2 Sensor

Type: Y-OZ
Dimension:
Length: m

-BQ1
CO2 sensor
Duct

ANG
24V
P
0-10V

BK	Black	mm²
BN	Brown	mm²
GY	Gray	mm²

-XS:35
-XS:37
-XS:36

=A1-W516

Description: CO2 Sensor

Type: Y-OZ
Dimension:
Length: m

-BQ2
CO2 sensor
Room

ANG
24V
P
0-10V

BK	Black	mm²
BN	Brown	mm²
GY	Gray	mm²

-XS:35
-XS:37
-XS:36

=A1-W517

Description: Humidity sensor external

Type: Y-OZ
Dimension:
Length: m

-BM1
Humidity sensor
**

ANG
24V
P
0-10V

BK	Black	mm²
BN	Brown	mm²
GY	Gray	mm²

-XS:38
-XS:37
-XS:36

Sheet	Path
39	1.C
39	2.C
39	2.C
39	4.C
39	5.C
39	4.C
39	8.C
39	8.C
39	7.C

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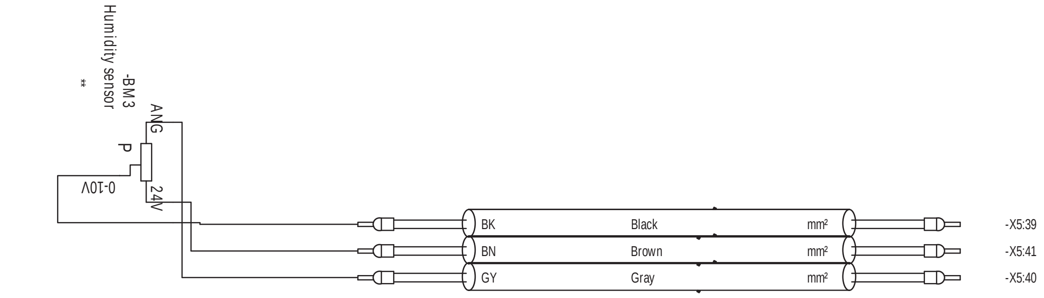
Cabelplan

=A1-W519

Description: Humidity sensor

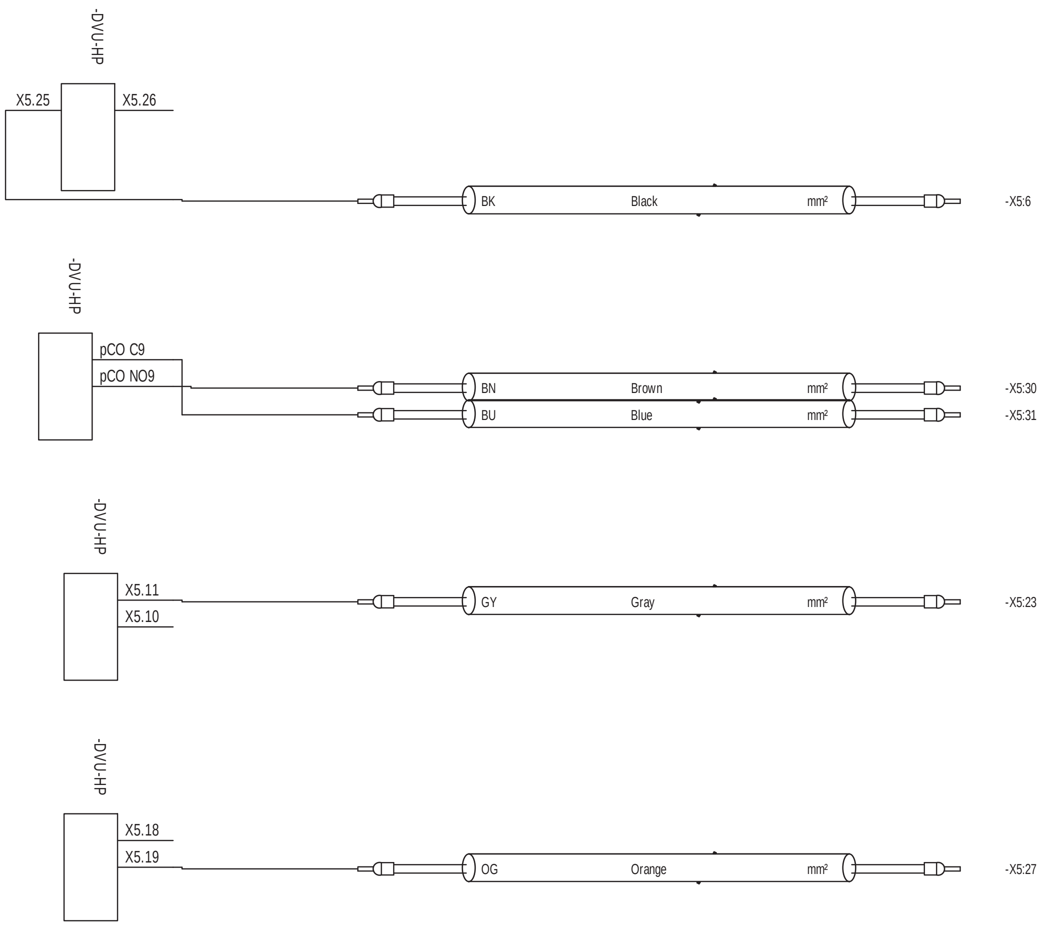
Type:
Dimension:
Length: m



=A1-W528

Description: DVU Control

Type:
Dimension:
Length: m



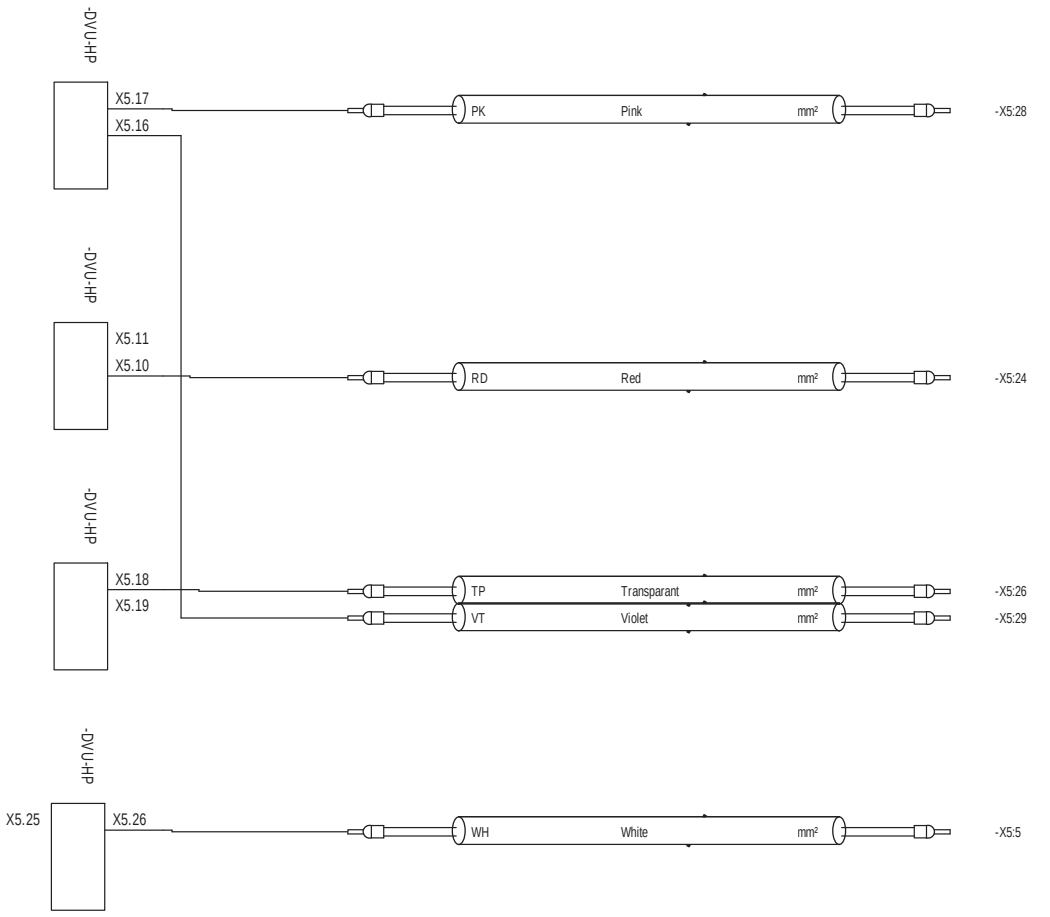
Terminal	Sheet	Path
-X5:39	39	12.C
-X5:41	39	12.C
-X5:40	39	11.C
-X5:6	19	8.F
-X5:30	38	2.H
-X5:31	38	2.H
-X5:23	27	4.J
-X5:27	28	13.I

Cabelplan

=A1-W528

Description: DVU Control

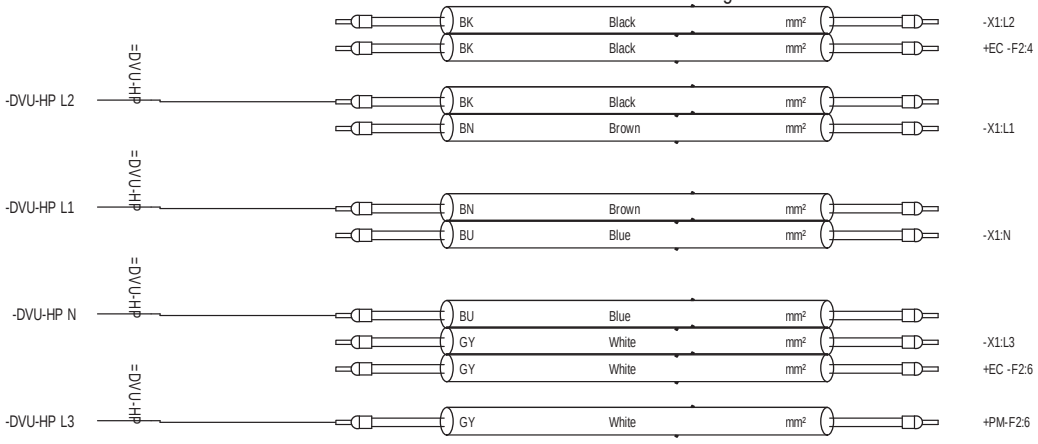
Type:
Dimension:
Length: m



=A1-W529

Description: DVU-HP

Type: Y-OZ
Dimension:
Length: m



Sheet	Path
28	16.I
27	5.J
28	13.I
28	16.I
19	8.C
10	17.J
10	17.J
10	17.J
10	17.J
10	17.J
10	17.J
10	17.J
10	17.J
10	17.J
10	17.J

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=A1-W529

Description: DVU-HP

Type: Y-OZ
Dimension:
Length: m

=DVU-HP

-DVU-HP PE

PE | Green-Yellow | mm² | -X1:PE

=A1-W532

Description: Rotor sensor

Type:
Dimension:
Length: m

+RHC -B32
Rotor sensor

14 15 16

BK | mm² | +RHC-T2:14 | 36 | 13.1
BN | mm² | +RHC-T2:16 | 36 | 13.1
BU | mm² | +RHC-T2:15 | 36 | 13.1

=A1-W550

Description: Mixing pump

Type: Y-OZ
Dimension:
Length: m

-M50
Mixer pump 1

L1
N
PE

BN | Brown | mm² | -X2:4 | 29 | 15.K
BU | Blue | mm² | -X2:3 | 29 | 16.K
PE | Green-Yellow | mm² | -X2:PE | 29 | 16.K

=A1-W551

Description: Heating valve

Type: Y-OZ
Dimension:
Length: m

-M51
Valve for heating SYV
Modulating motor

3
1
2

1 | Brown | mm² | -X5:9 | 26 | 15.K
2 | Black | mm² | -X5:10 | 26 | 16.K
3 | Gray | mm² | -X5:8 | 26 | 15.J

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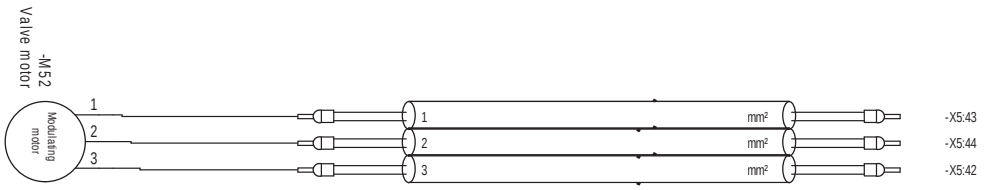
Sheet	Path
10	18.J
36	13.1
36	13.1
36	13.1
29	15.K
29	16.K
29	16.K
26	15.K
26	16.K
26	15.J

Cabelplan

=A1-W552

Description: Heater 2

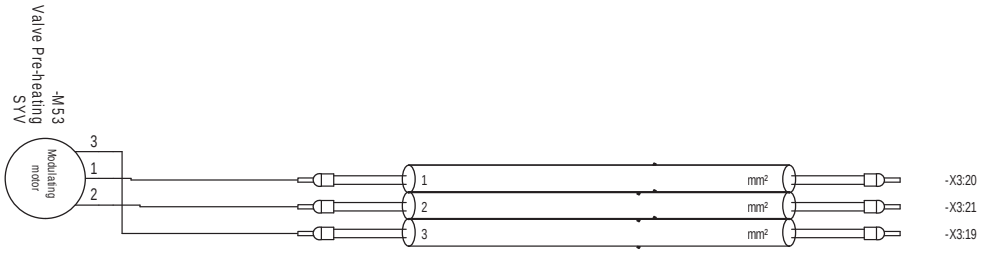
Type:
Dimension:
Length: m



=A1-W553

Description: Valve Pre-heating

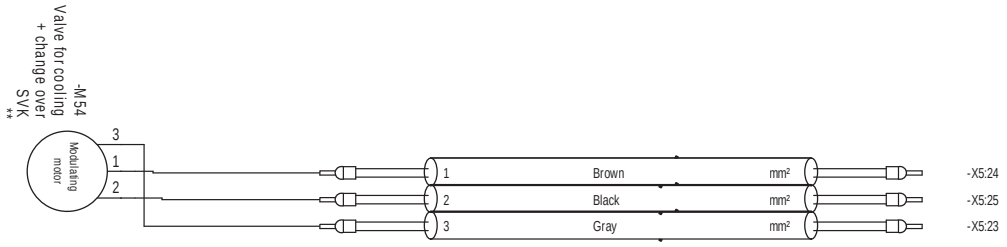
Type:
Dimension:
Length: m



=A1-W554

Description: Cooling valve

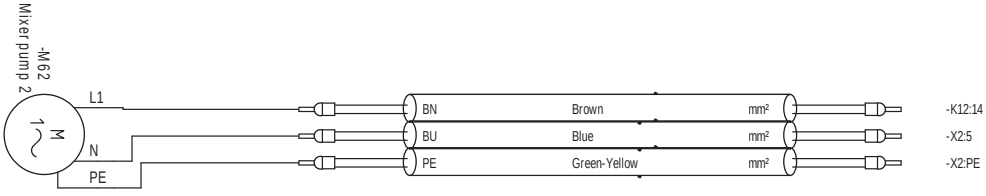
Type: Y-OZ
Dimension:
Length: m



=A1-W562

Description: Mixing pump heater 2

Type: Y-OZ
Dimension:
Length: m



Sheet	Path
42	5.J
42	6.J
42	6.J
26	11.J
26	12.J
26	11.J
27	2.K
27	3.K
27	2.J
29	9.K
29	10.K
29	10.K

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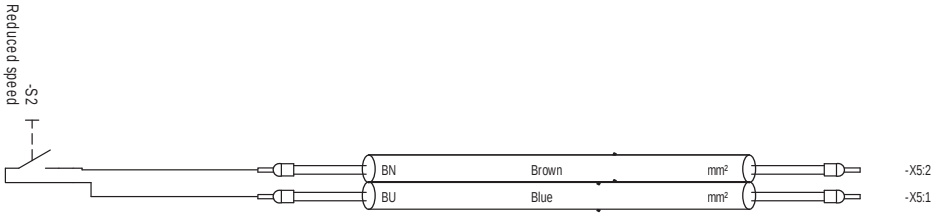
=A1-W580

Description: Reduced speed

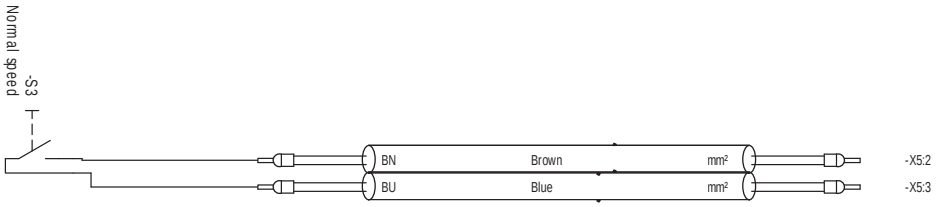
Type: Y-OZ
Dimension:
Length: m



=A1-W581

Description: Normal speed

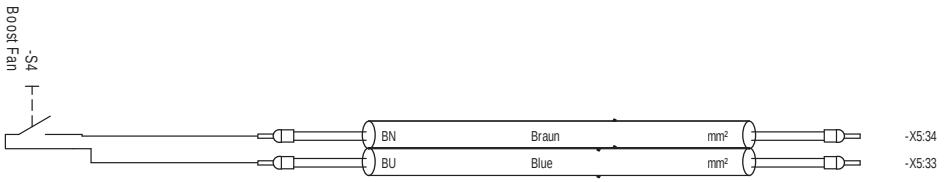
Type:
Dimension:
Length: m



=A1-W582

Description: Boost Fan

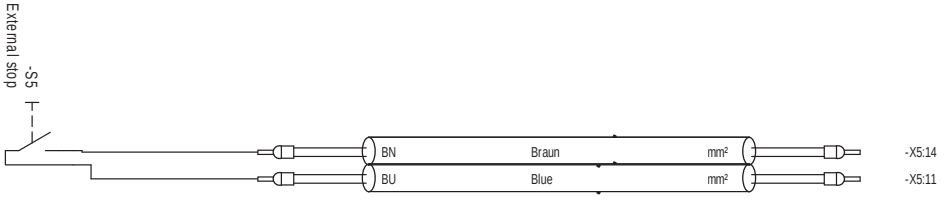
Type:
Dimension:
Length: m



=A1-W583

Description: External stop

Type:
Dimension:
Length: m



Sheet	Path
19	1.C
19	1.F
19	4.C
19	4.F
37	16.C
37	16.E
20	14.C
20	14.F

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Cabelplan

=A1-W584

Description: Change Over

Type:
Dimension:
Length: m

-S6
Change Over

BN	Braun	mm²
BU	Blue	mm²

-XS:31
-XS:30

=A1-W585

Description: Recirculation

Type:
Dimension:
Length: m

-S7
Recirculation

BN	Braun	mm²
BU	Blue	mm²

-XS:31
-XS:32

=A1-W615

Description: T11 BUS

Type: BUS
Dimension: 4x0,6mm2
Length: m

-T11
Supply air

GN	Green	mm²
WH	White	mm²
YE	Yellow	mm²

-X6:2
-X6:4
-X6:1

61 N
69 A
68 B

VLT Converter

Sheet	Path
38	4.C
38	4.E
38	8.C
38	8.E
16	8.I
16	8.I
16	8.I

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Cableplan

=A1-W616

Description: T12 BUS
Type: BUS
Dimension: 4x0,6mm2
Length: m

-T12'
extract air

VLT Converter

61 N
69 A
68 B

GN	Green	mm²	-X6:2	34 8.1
WH	White	mm²	-X6:4	34 8.1
YE	Yellow	mm²	-X6:1	34 8.1

=A1-W617

Description: T13 BUS
Type: BUS
Dimension: 4x0,6mm2
Length: m

-T13'

VLT Converter

61 N
69 A
68 B

GN	Green	mm²	-X6:2	16 11.1
WH	White	mm²	-X6:4	16 11.1
YE	Yellow	mm²	-X6:1	16 11.1

=A1-W618

Description: T14 BUS
Type: BUS
Dimension: 4x0,6mm2
Length: m

-T14'
extract air

VLT Converter

61 N
69 A
68 B

GN	Green	mm²	-X6:2	34 12.1
WH	White	mm²	-X6:4	34 11.1
YE	Yellow	mm²	-X6:1	34 11.1

Path
Sheet

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Cableplan

=A1-W621

Description: T21 BUS
Type: BUS
Dimension: 4x0,6mm2
Length: m

-T21'
Supply air

VLT Converter

61 N
69 A
68 B

-X6:2	GN	Green	mm²	mm²	16 / 14.1
-X6:4	WH	White	mm²	mm²	16 / 14.1
-X6:1	YE	Yellow	mm²	mm²	16 / 14.1

=A1-W622

Description: T22 BUS
Type: BUS
Dimension:
Length: m

-T22'
extract air

VLT Converter

61 N
69 A
68 B

-X6:2	GN	Green	mm²	mm²	34 / 15.1
-X6:4	WH	White	mm²	mm²	34 / 14.1
-X6:1	YE	Yellow	mm²	mm²	34 / 15.1

=A1-W632

Description: T2 BUS
Type: BUS
Dimension: 4x0,6mm2
Length: m

+RHC
-T2
Rotor Control

-X6:5	GN	Green	mm²	mm²	36 / 14.E
-X6:8	WH	White	mm²	mm²	36 / 15.E
-X6:6	YE	Yellow	mm²	mm²	36 / 14.E

17 A
18 B
19 GND

U
V
W
PE

14
15
16

L
N
PE

systemair

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Path
Sheet

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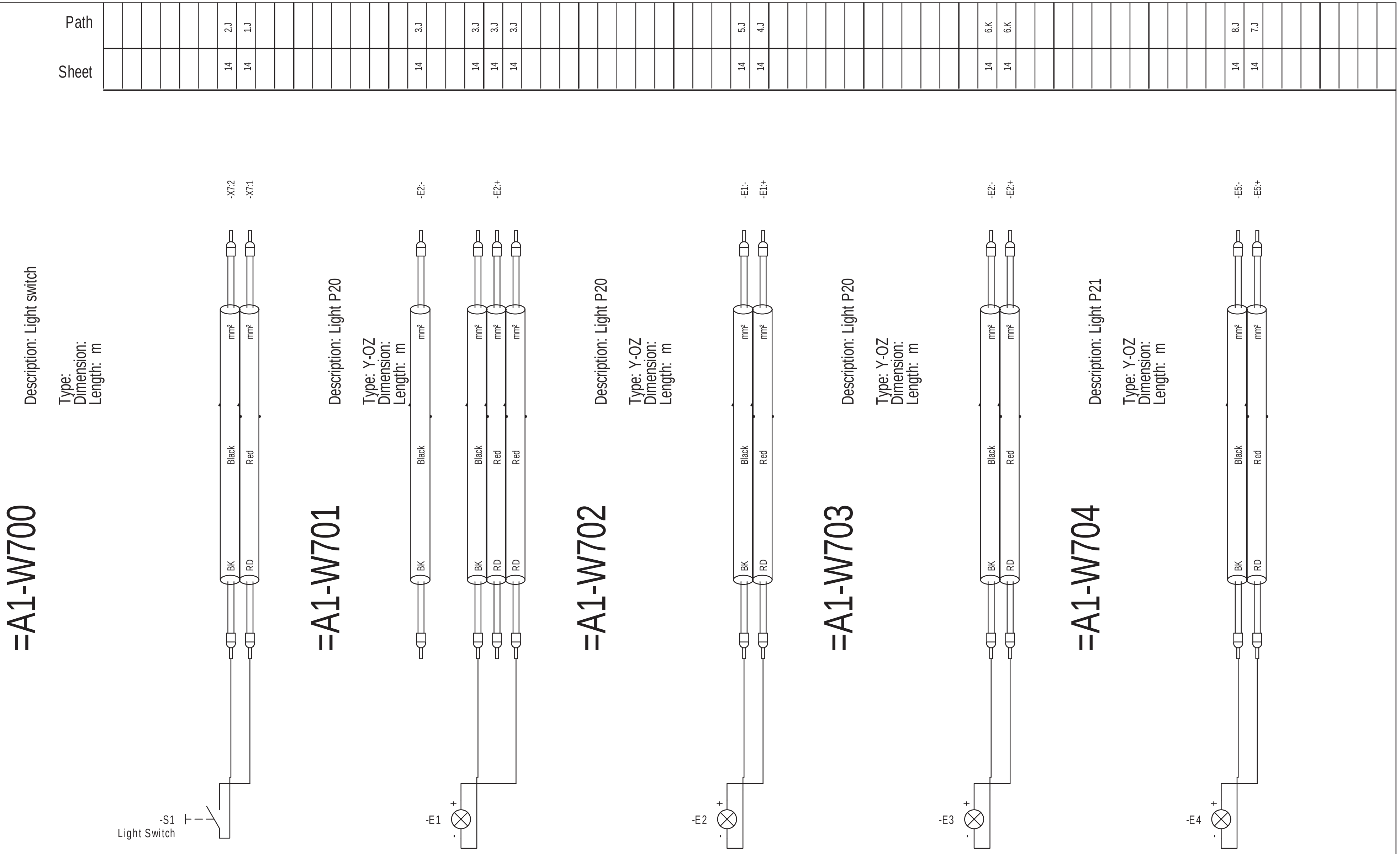

Path
Sheet
2.J 14
1.J 14
3.J 14
3.J 14
3.J 14
3.J 14
5.J 14
4.J 14
6.K 14
6.K 14
8.J 14
7.J 14
=A1-W700
Description: Light switch
Type:
Dimension:
Length: m
-S1
Light Switch
=A1-W701
Description: Light P20
Type: Y-OZ
Dimension:
Length: m
-E1
=A1-W702
Description: Light P20
Type: Y-OZ
Dimension:
Length: m
-E2
=A1-W703
Description: Light P20
Type: Y-OZ
Dimension:
Length: m
-E3
=A1-W704
Description: Light P21
Type: Y-OZ
Dimension:
Length: m
-E4
BK
RD
Black
Red
mm²

systemair

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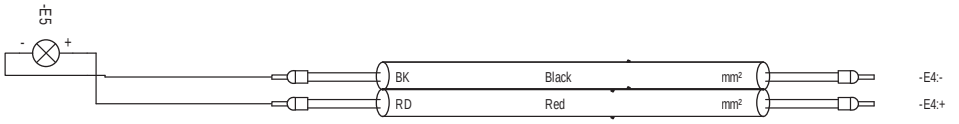
=A1-W705

Description:

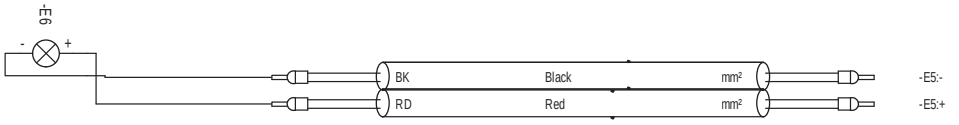
Type:
Dimension:
Length: m



=A1-W706

Description:

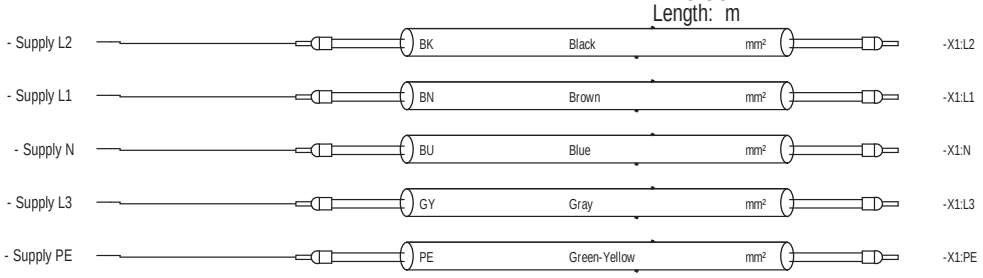
Type:
Dimension:
Length: m



=A1-W1000

Description: Main supply

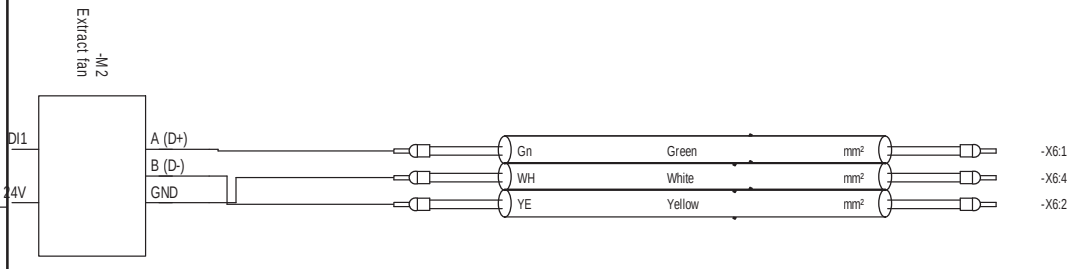
Type: Not delivered
Dimension:
Length: m



=A1+DVE-EA-W602

Description: M2 BUS

Type: BUS
Dimension: 4x0,6mm2
Length: m



Sheet	Path
14	9.J
14	9.J
14	10.K
14	10.K
10	1.J
10	0.J
10	1.J
10	1.J
10	1.J
36	4.I
36	5.I
36	5.I

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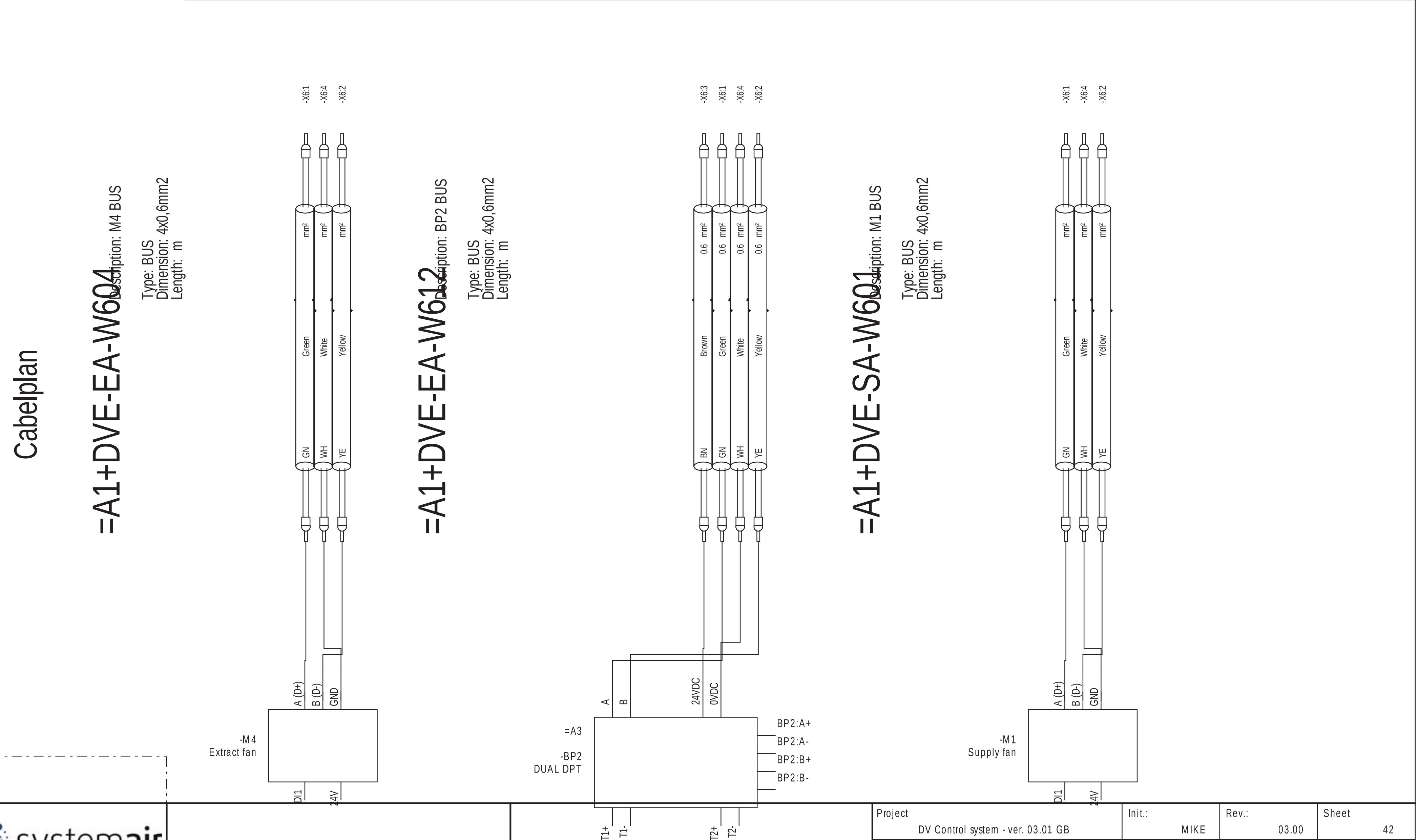


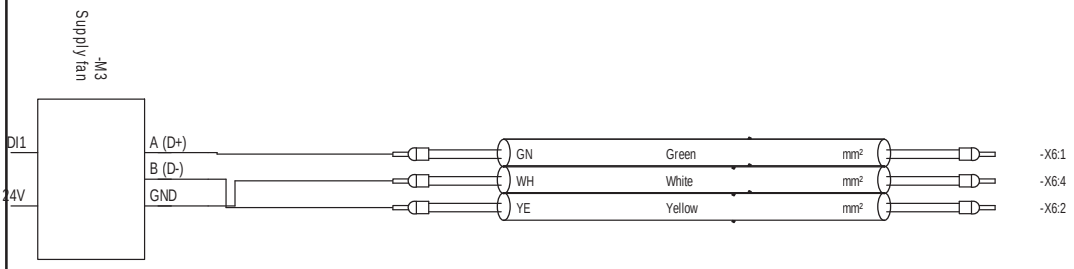
Path	8.I	8.I	8.I	3.G	2.G	3.G	2.G	5.I	5.I	5.I
Sheet	36	36	36	34	34	34	34	18	18	18

Cabelplan

=A1+DVE-SA-W603

Description: M3 BUS

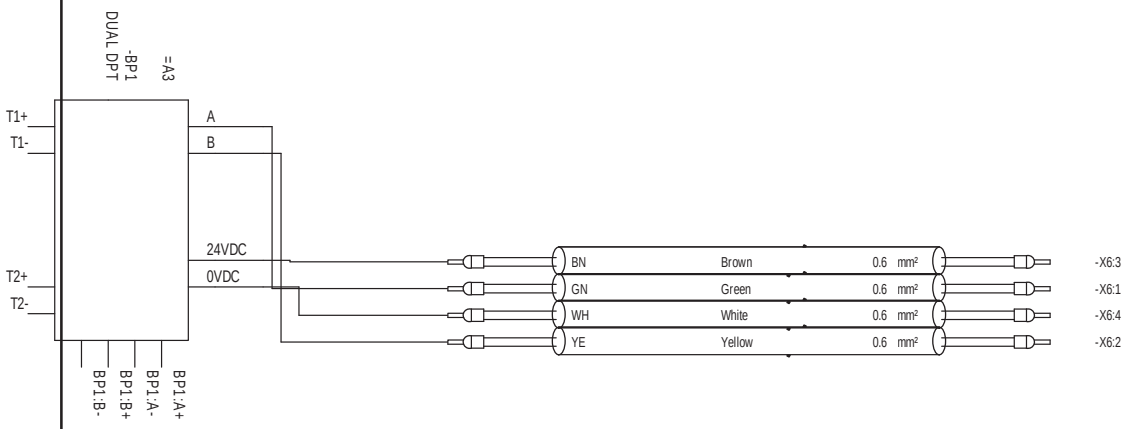
Type: BUS
Dimension: 4x0,6mm2
Length: m



=A1+DVE-SA-W611

Description: BP1 BUS

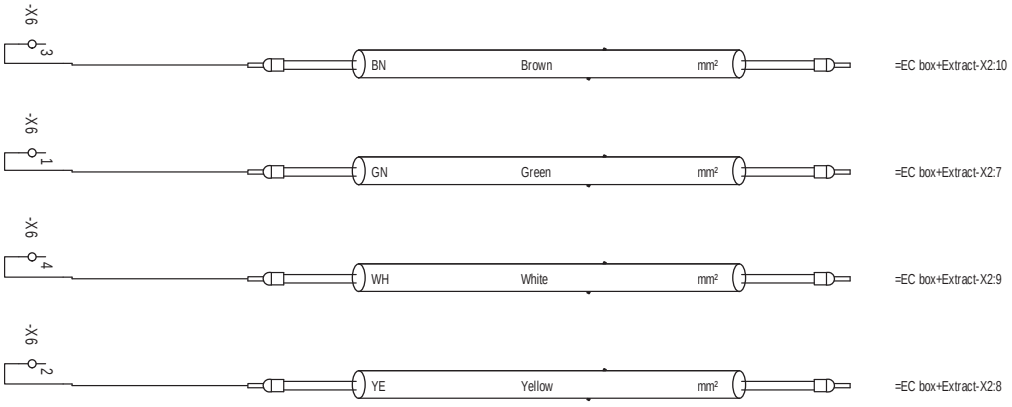
Type: BUS
Dimension: 4x0,6mm2
Length: m



=A1+EC box-W630

Description: EC box BUS

Type: BUS
Dimension: 4x0,6mm2
Length: m



Sheet	Path
18	8.I
18	8.I
18	8.I
16	3.G
16	1.G
16	3.G
16	2.G
35	3.J
35	2.J
35	3.J
35	2.J

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Cableplan

=A1+EC box-W631

Description: EC box BUS

Type: BUS
Dimension: 4x0,6mm2
Length: m

-X6:3 — BN — Brown — mm² — =EC box+Supply-X2:10 — Sheet 17 — Path 3.J

-X6:1 — GN — Green — mm² — =EC box+Supply-X2:7 — Sheet 17 — Path 2.J

-X6:4 — WH — White — mm² — =EC box+Supply-X2:9 — Sheet 17 — Path 3.J

-X6:2 — YE — Yellow — mm² — =EC box+Supply-X2:8 — Sheet 17 — Path 3.J

=A3-W341

Description: Intake air

Type:
Dimension: 2x0,25mm2
Length: m

+DVAF-SA
-BT1
Intake / Outdoor air

BK — Black — 0.25 mm² — +DVE-EA-BP2:T1+ — Sheet 34 — Path 2.J

WH — White — 0.25 mm² — +DVE-EA-BP2:T1- — Sheet 34 — Path 2.J

=A3-W343

Description: Eff temp

Type:
Dimension: 2x0,25mm2
Length: m

+DVE-SA
-BT4
Eff. temp

BK — Black — 0.25 mm² — +DVE-SA-BP1:T2+ — Sheet 16 — Path 3.J

WH — White — 0.25 mm² — +DVE-SA-BP1:T2- — Sheet 16 — Path 3.J

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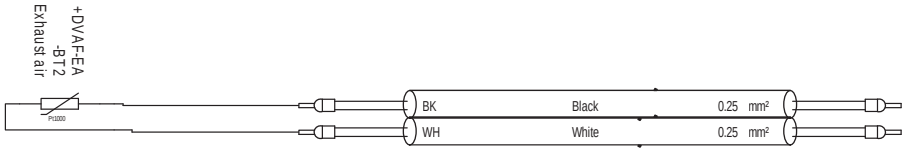
Cabelplan

=A3-W442

Description: Exhaust air / de-ice

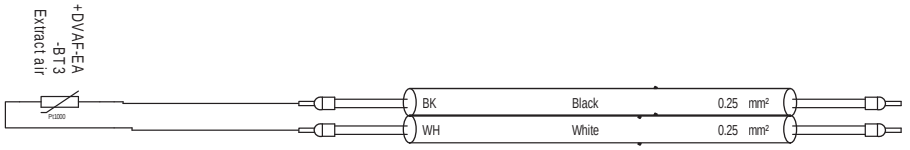
Type:
Dimension: 2x0,25mm2
Length: m



=A3-W444

Description: Extract air

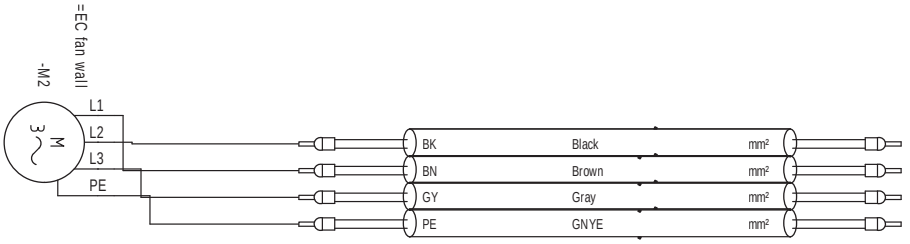
Type:
Dimension: 2x0,25mm2
Length: m



=EC box+Extract-W102

Description:

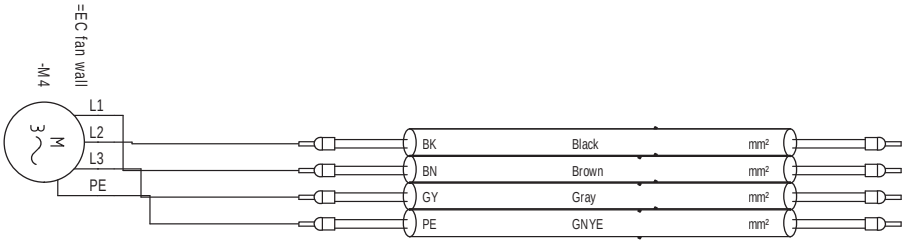
Type:
Dimension:
Length: m



=EC box+Extract-W104

Description:

Type:
Dimension:
Length: m



Sheet	Path
34	3.J
34	3.J
16	1.J
16	2.J
32	3.K
32	2.K
32	3.K
32	3.K
32	6.K
32	6.K
32	6.K
32	7.K

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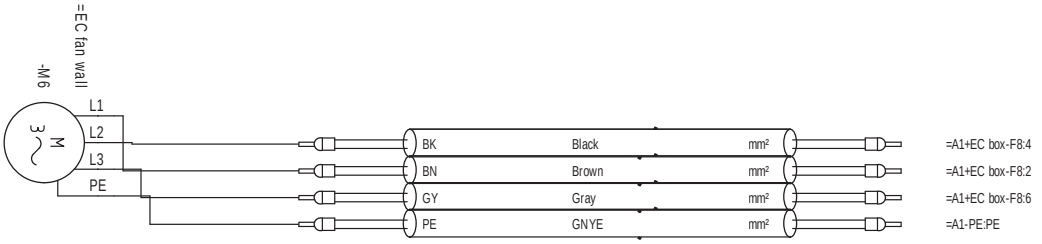
Cabelplan

=EC box+Extract-W106

Description:

Type:
Dimension:
Length: m

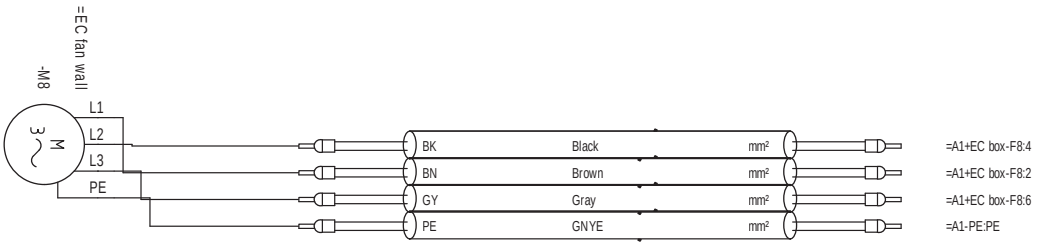


Sheet	Path
32	10.K
32	10.K
32	10.K
32	10.K

=EC box+Extract-W108

Description:

Type:
Dimension:
Length: m

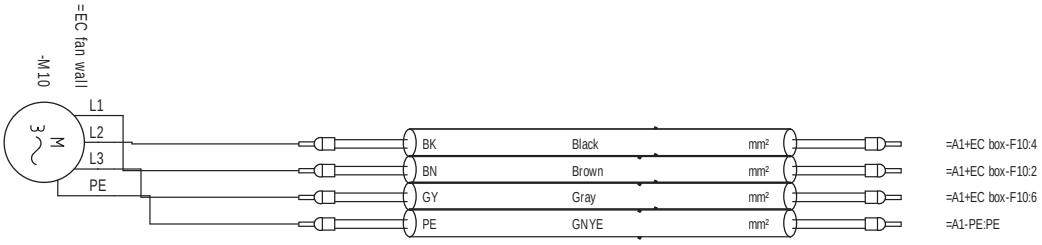


Sheet	Path
32	13.K
32	13.K
32	14.K
32	14.K

=EC box+Extract-W110

Description:

Type:
Dimension:
Length: m



Sheet	Path
32	17.K
32	16.K
32	17.K
32	17.K

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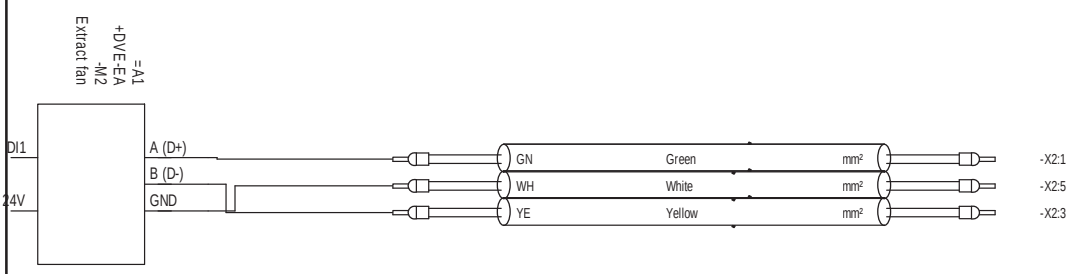
Cabelplan

=EC box+Extract-W602

Description: M2 BUS

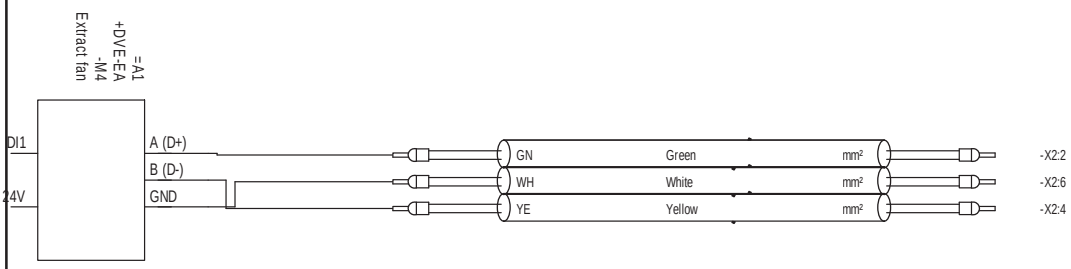
Type: BUS
Dimension: 4x0,6mm2
Length: m



=EC box+Extract-W604

Description: M4 BUS

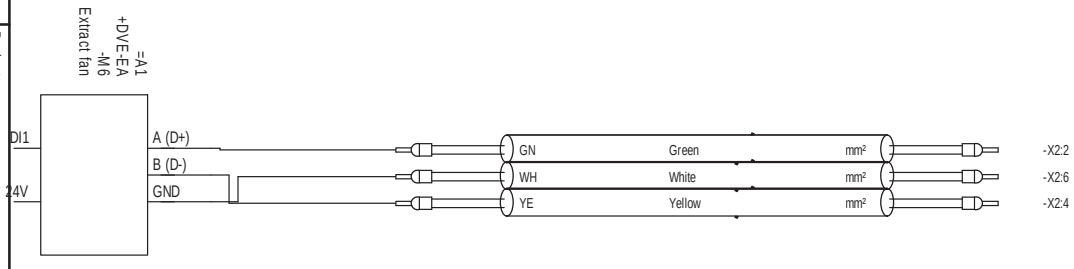
Type: BUS
Dimension: 4x0,6mm2
Length: m



=EC box+Extract-W606

Description: M6 BUS

Type: BUS
Dimension: 4x0,6mm2
Length: m



Sheet	Path
35	5.J
35	6.J
35	5.J
35	8.J
35	9.J
35	8.J
35	11.J
35	12.J
35	12.J

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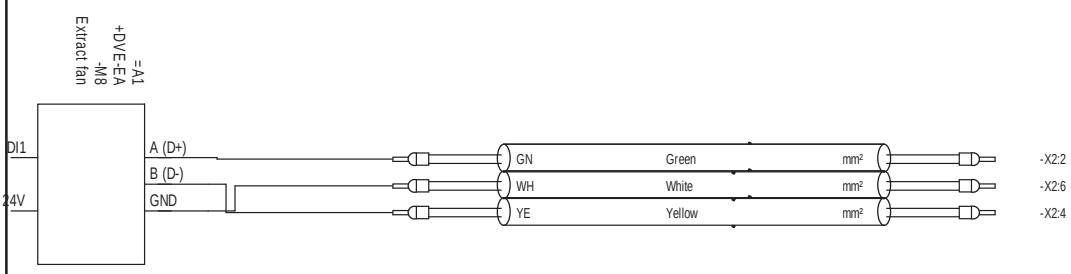
=EC box+Extract-W608

Description: M8 BUS

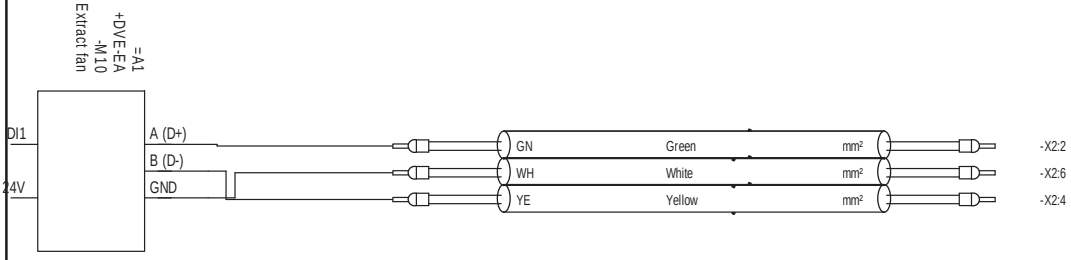
Type: BUS
Dimension: 4x0,6mm2
Length: m



=EC box+Extract-W610

Description: M10 BUS

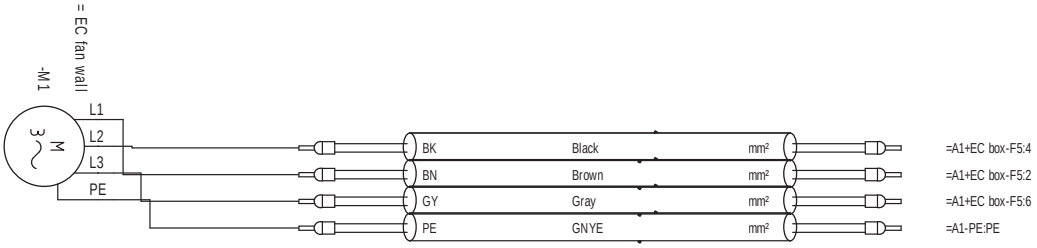
Type: BUS
Dimension: 4x0,6mm2
Length: m



=EC box+Supply-W101

Description: EC Power

Type:
Dimension:
Length: m



Sheet	Path
35	14.J
35	15.J
35	15.J
35	17.J
35	18.J
35	18.J
13	3.K
13	2.K
13	3.K
13	3.K

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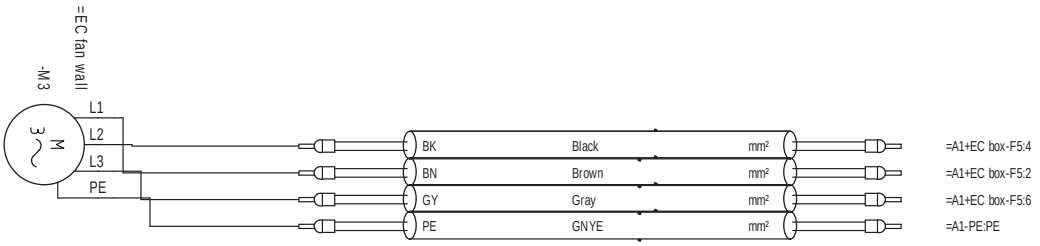
=EC box+Supply-W103

Description: EC Power

Type:
Dimension:
Length: m

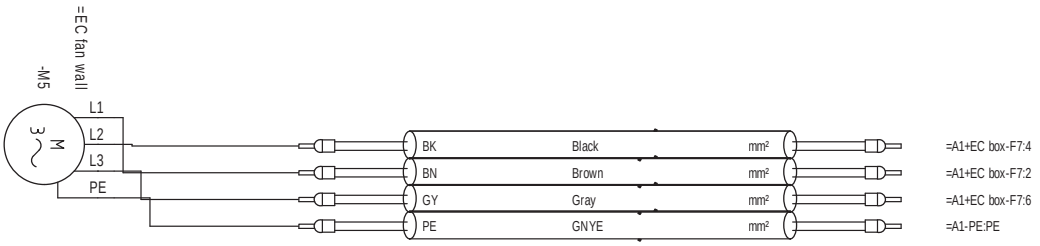


Sheet	Path
13	6.K
13	6.K
13	6.K
13	7.K

=EC box+Supply-W105

Description: EC Power

Type:
Dimension:
Length: m

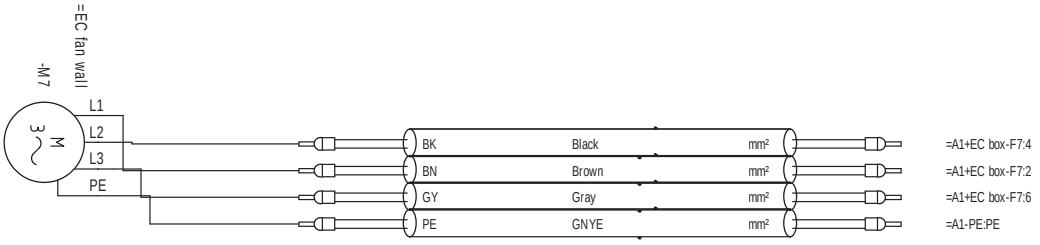


Sheet	Path
13	10.K
13	10.K
13	10.K
13	10.K

=EC box+Supply-W107

Description: EC Power

Type:
Dimension:
Length: m



Sheet	Path
13	13.K
13	13.K
13	14.K
13	14.K

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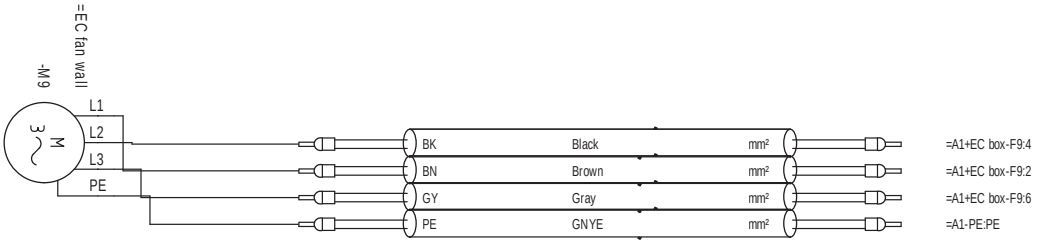
=EC box+Supply-W109

Description: EC Power

Type:
Dimension:
Length: m

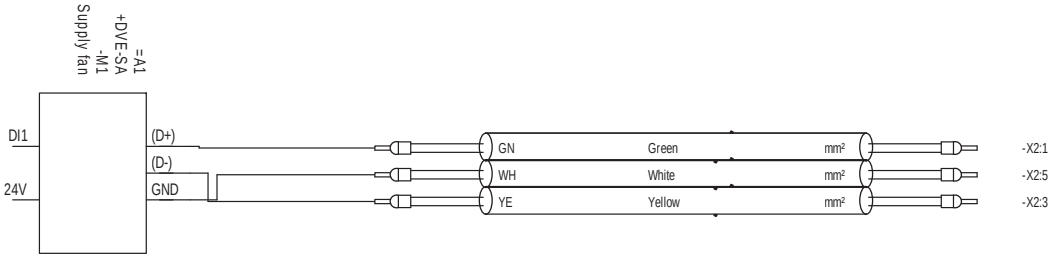


Sheet	Path
13	17.K
13	16.K
13	17.K
13	17.K

=EC box+Supply-W601

Description: M1 BUS

Type: BUS
Dimension: 4x0,6mm2
Length: m

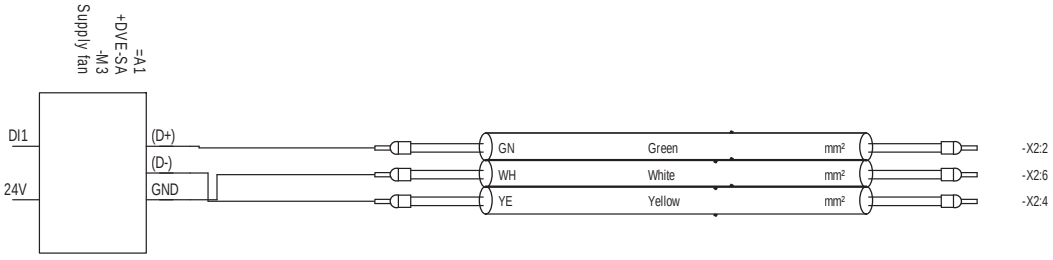


Sheet	Path
17	5.J
17	6.J
17	5.J

=EC box+Supply-W603

Description: M3 BUS

Type: BUS
Dimension: 4x0,6mm2
Length: m



Sheet	Path
17	8.J
17	9.J
17	8.J

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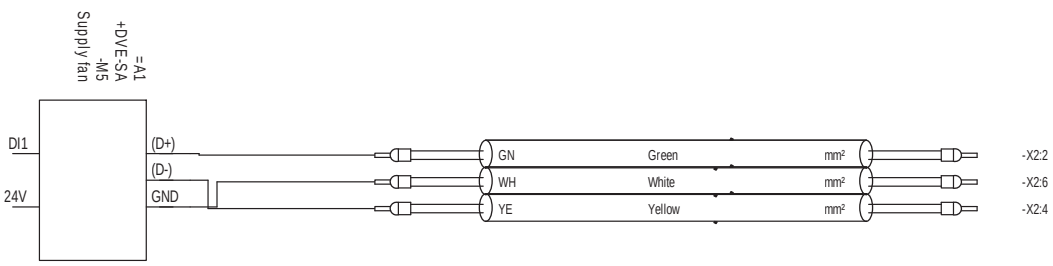
=EC box+Supply-W605

Description: M5 BUS

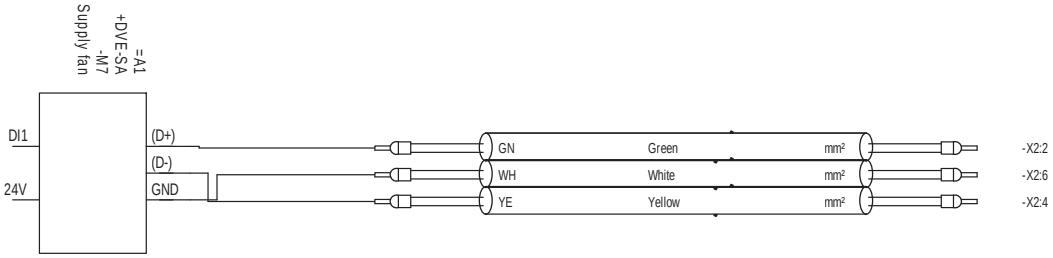
Type: BUS
Dimension: 4x0,6mm2
Length: m



=EC box+Supply-W607

Description: M7 BUS

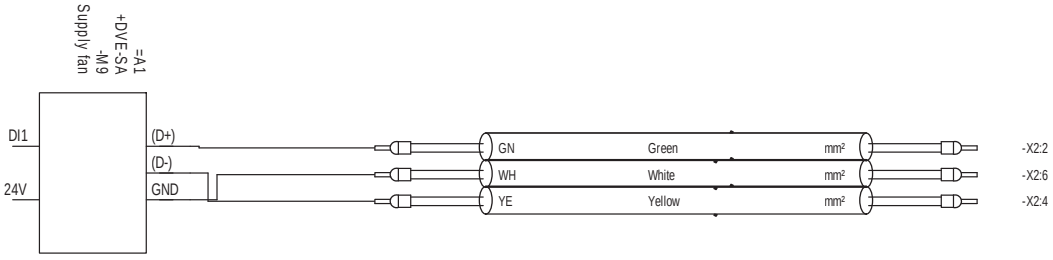
Type: BUS
Dimension: 4x0,6mm2
Length: m



=EC box+Supply-W609

Description: M9 BUS

Type: BUS
Dimension: 4x0,6mm2
Length: m



Sheet	Path
17	11.J
17	12.J
17	12.J
17	14.J
17	15.J
17	15.J
17	17.J
17	18.J
17	18.J

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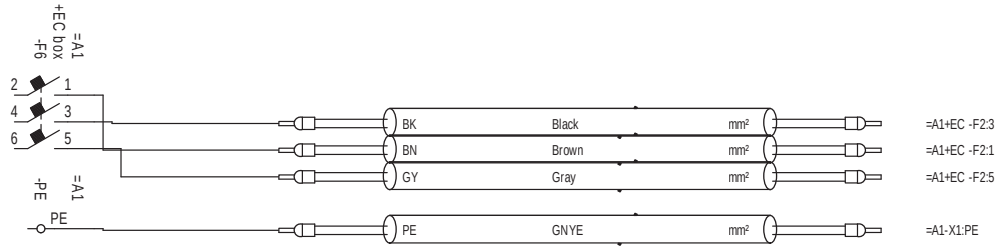
=EC fan Array+Extract-W102.1

Description:

Type:
Dimension:
Length: m

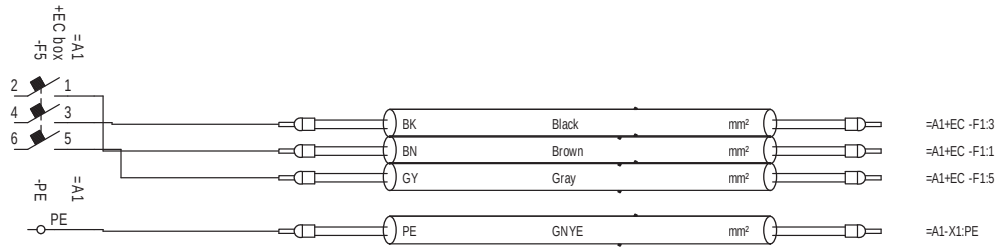


Sheet	Path
32	3.C
32	2.C
32	3.C
32	3.C

=EC fan Array+Supply-W101.1

Description:

Type:
Dimension:
Length: m

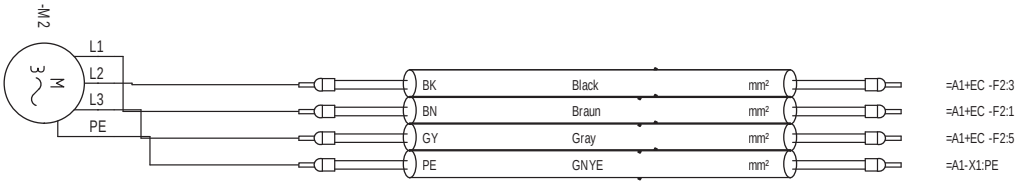


Sheet	Path
13	3.C
13	2.C
13	3.C
13	3.C

=EC Single/Twin+Extract-W102

Description:

Type:
Dimension:
Length: m

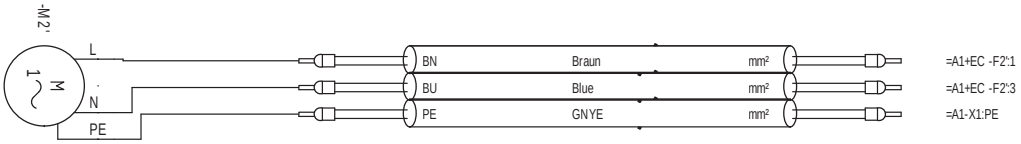


Sheet	Path
31	3.J
31	3.J
31	4.J
31	4.J

=EC Single/Twin+Extract-W102'

Description:

Type:
Dimension:
Length: m



Sheet	Path
31	12.J
31	13.J
31	13.J

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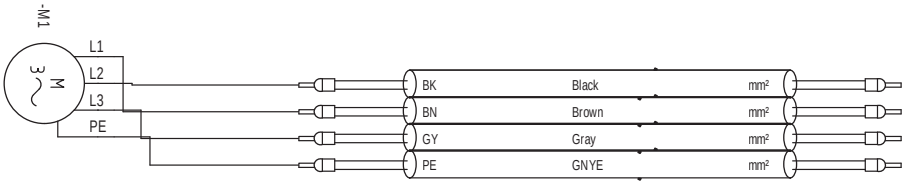
=EC Single/Twin+Supply-W101

Description:EC Power

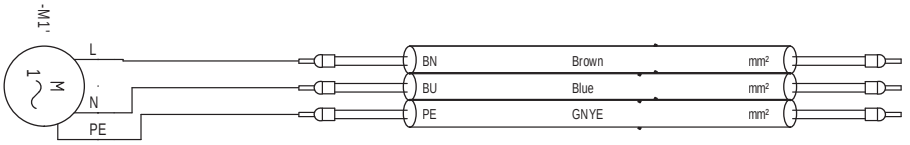
Type:
Dimension:
Length: m



=EC Single/Twin+Supply-W101'

Description:EC Power

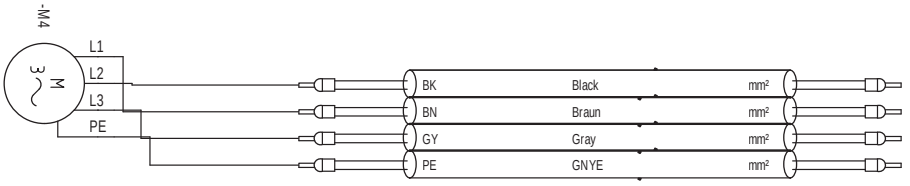
Type:
Dimension:
Length: m



=EC Twin+Extract-W104

Description:

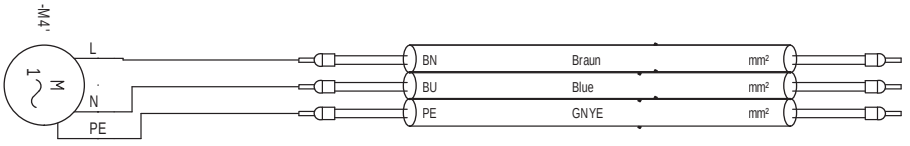
Type:
Dimension:
Length: m



=EC Twin+Extract-W104'

Description:

Type:
Dimension:
Length: m



Sheet	Path
12	3.J
12	3.J
12	4.J
12	4.J
12	12.J
12	13.J
12	13.J
31	7.J
31	6.J
31	7.J
31	7.J
31	16.J
31	16.J
31	16.J

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=EC Twin+Supply-W103

Description: EC Power

Type:
Dimension:
Length: m

=EC Twin+Supply-W103

Description: EC Power

Type:
Dimension:
Length: m

Path	Sheet
7.J	12
6.J	12
7.J	12
7.J	12
16.J	12
16.J	12
16.J	12

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