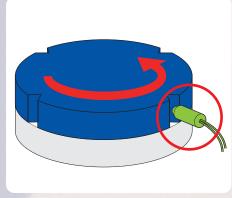
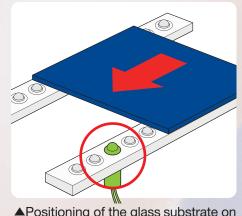


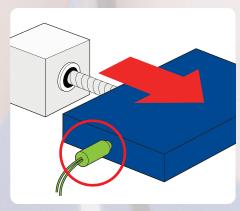
《Applications》



▲Index output for the rotary table



▲Positioning of the glass substrate on a conveyor



▲ Detecting the starting point of the stepper motor

Specifications

unit:mm

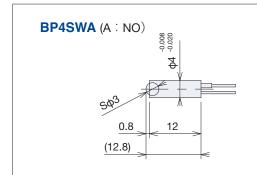
Product name	Size	Stroke	Contact force	Protective structure
BP4SWA	ф4	0.8	1N	IP40
BP5MWA	M5×0.5	1		1740

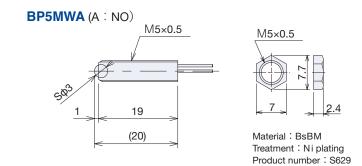
Switch structure	Dry contact	
Output mode	A : Nomally Open	
Signal point	0.3	
Repeatability	Both ON→OFF, OFF→ON ±0.01	
	(At operating speed 50~200mm/min) *	
Movement differential	0	
Contact life time	BP4SWA: 1 million	
	BP5MWA: 3 million	

^{*}Operating speed slower than 10mm/min is not recommended.

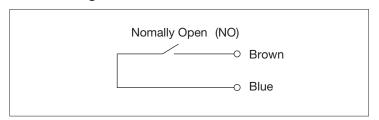
Case material	SUS 303	
Contact material	Tungsten carbide	
Cable	Core-wire cable 0.5m×2 Oil resistant Φ0.66	
	Tensile strength 15N	
Operating temperature range	0°C∼80°C (Ice-free)	
Temperature drift	0	
Oscillation	10~55Hz total amplitude 1.5 for X, Y, Z, each direction	
Impact	300m/s² for X, Y, Z, each direction	
Contact rating	DC5V~DC24V Steady current: 10mA or less	
	(rush current: 20mA or less)	
Standard accessory	BP5MWA: Two fixing nuts	

Outer dimension



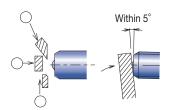


■Circuit diagram



Usage Instructions

Suitable for angled touch

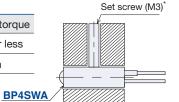


The degree required to turn on the switch when the detected object doesn't meet the switch end fully.

■Tightening torque

Product name	Screw / Nut	Tightening torque
BP4SWA	Set screw*	0.1N · m or less
BP5MWA	M5×0.5	1N·m

* No set screws are provided with BP4SWA/BP5MWA.



- When using for rotation indexing, adjust the position in consideration of eccentricity and core blurring accuracy of rotationg objects.
- · According to the operationg circumstance, the signal point varies due to wear of the contacting part.
- \cdot Carefully calculate the angle and roughness of chamfer so that the contacting part is not easily worn off.
- · Try not to bend the threaded part during installation. It will cause malfunction.

Help Desk

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