

Rotary Table/Rack & Pinion Style

Series *MSQ*

With External Shock Absorber

Size: 10, 20, 30, 50

How to Order

MSQ B 10 L 2 - M9BW S

Size

10
20
30
50

Shock absorber type

L	Shock absorber for low energy
H	Shock absorber for high energy

Port location/Rotation

2	Standard type	180°
3	Standard type	90°
4	Symmetric type	180°
5	Symmetric type	90°

Refer to the table to the right.

Thread type

End port type	Size
Nil	M 5
Nil	Rc 1/8
-XF	G 1/8
-XN	NPT 1/8

* Side ports are all M5.

Number of auto switch

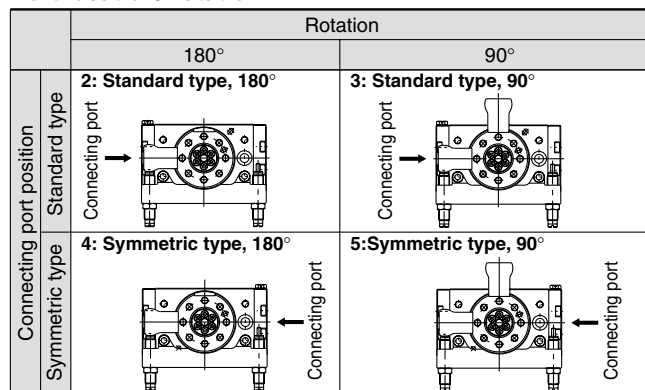
Nil	2 pcs.
S	1 pc.
n	n pcs.

Auto switch type

Nil	Without auto switch (Built-in magnet)
-----	---------------------------------------

*Refer to the table below for auto switch types.

Port location/Rotation



Applicable Auto Switch/Refer to pages 761 to 809 for detailed auto switch specification.

Type	Special function	Electrical entry	Indicator light	Wiring (Output)	Load voltage		Auto switch model		Lead wire length (m)				Pre-wired connector	Applicable load		
					DC	AC	Perpendicular	In-line	0.5 (Nil)	1 (M)	3 (L)	5 (Z)				
Solid state switch	—	Grommet	Yes	3-wire (NPN)	24 V	5 V, 12 V	—	M9NV	M9N	●	●	●	○	○	IC circuit	Relay, PLC
	3-wire (PNP)			12 V		M9PV		M9P	●	●	●	○	○			
	2-wire			12 V		M9BV		M9B	●	●	●	○	○			
	3-wire (NPN)			5 V, 12 V		M9NWV		M9NW	●	●	●	○	○	IC circuit		
	3-wire (PNP)			12 V		M9PWV		M9PW	●	●	●	○	○			
	2-wire			12 V		M9BWV		M9BW	●	●	●	○	○			
	3-wire (NPN)			5 V, 12 V		M9NAV**		M9NA**	○	○	●	○	○	IC circuit		
	3-wire (PNP)					M9PAV**		M9PA**	○	○	●	○	○			
	2-wire					12 V		M9BAV**	M9BA**	○	○	●	○		○	
	Reed switch			—	Grommet	Yes	3-wire (NPN equiv.)	—	5 V	—	A96V	A96	●	—	●	
No		2-wire	24 V	12 V			100 V	A93V	A93	●	—	●	—	—	—	IC circuit
	100 V or less				A90V	A90	●	—	●	—	—	—				

** Although it is possible to mount water resistant type auto switches, note that the rotary actuator itself is not of water resistant construction.

* Lead wire length symbols: 0.5 m Nil (Example) M9NW
 1 m M (Example) M9NWM
 3 m L (Example) M9NWL
 5 m Z (Example) M9NWZ

* Auto switches marked with a "○" are produced upon receipt of orders.

* Auto switches are shipped together, (but not assembled).



Refer to pages 796 and 797 for the details of solid state auto switch with pre-wired connector.