

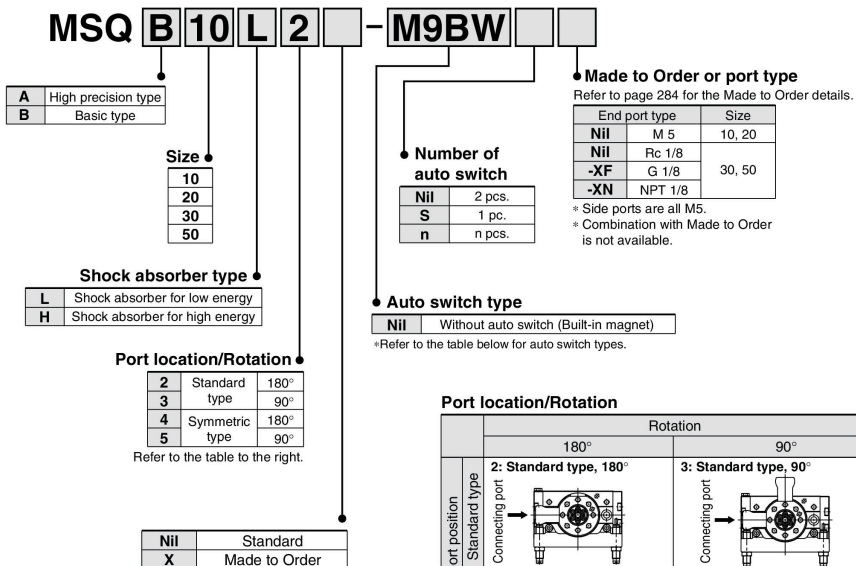
# Rotary Table/Rack & Pinion Type

# MSQ Series

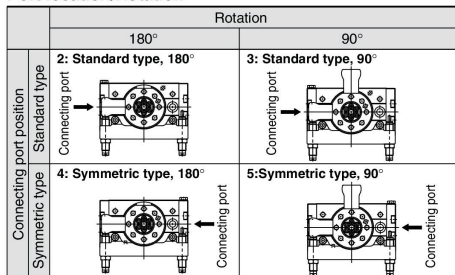
## With External Shock Absorber

### Size: 10, 20, 30, 50

### How to Order



### Port location/Rotation



### Applicable Auto Switches

Refer to pages 797 to 850 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)			
													24 V		
Solid state auto switch	Diagnostic indication (2-color indicator)	Grommet	Yes	3-wire (NPN)	24 V	5 V, 12 V	—	M9PV	M9P	●	●	●	○	○	IC circuit
				3-wire (PNP)				M9BV	M9B	●	●	●	○	○	
				2-wire	M9NWV	M9NW	●	●	●	○	○	IC circuit			
				3-wire (NPN)	M9PWV	M9PW	●	●	●	○	○				
	Water resistant (2-color indicator)	Grommet	No	3-wire (PNP)	24 V	5 V, 12 V	—	M9BWW	M9BW	●	●	●	○	○	—
				2-wire				M9NAV <sup>*1</sup>	M9NA <sup>*1</sup>	○	○	●	○	○	
				3-wire (NPN)	M9PAV <sup>*1</sup>	M9PA <sup>*1</sup>	○	○	●	○	○	IC circuit			
				2-wire	M9BAV <sup>*1</sup>	M9BA <sup>*1</sup>	○	○	●	○	○		—		
Reed auto switch	—	Grommet	Yes	3-wire (NPN equiv.)	24 V	12 V	100 V	A96V	A96	●	●	—	—	—	IC circuit
				2-wire				A93V <sup>*2</sup>	A93	●	●	●	—	—	
			No	2-wire	24 V	12 V	100 V or less	A90V	A90	●	●	—	—	—	IC circuit

\*1 Although it is possible to mount water resistant type auto switches, note that the rotary actuator itself is not of water resistant construction.

\*2 1 m type lead wire is only applicable to D-A93.

\* Lead wire length symbols: 0.5 m ..... Nil (Example) M9NV  
1 m ..... M (Example) M9NVM  
3 m ..... L (Example) M9NWL  
5 m ..... Z (Example) M9NWZ

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

\* Refer to pages 837 and 838 for the details of solid state auto switch with pre-wired connector.

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