

# Rotary Table/Rack & Pinion Type

# MSQ Series

## Size: 1, 2, 3, 7

### How to Order

High precision type

MSQA 1 A [ ] - M9BW [ ]

Basic type

MSQB 1 A [ ] - M9BW [ ]

Size

1
2
3
7

A With adjustment bolt

Number of auto switches

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

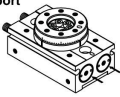

Auto switch type

Nil	Without auto switch (built-in magnet)
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\* Refer to the table below for auto switch types.

\* The auto switch is included in the package (unmounted).

Port location

Nil	End port 
E	Front port 

\* The port location cannot be changed after the delivery of the product.

#### Moisture Control Tube IDK Series



When operating an actuator with a small diameter and a short stroke at a high frequency, the dew condensation (water droplet) may occur inside the piping depending on the conditions.

Simply connecting the moisture control tube to the actuator will prevent dew condensation from occurring. For details, refer to [the IDK series in the Best Pneumatics No. 6](#).

### 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)				
Solid state auto switch	—	Grommet	Yes	3-wire (NPN)	5 V, 12 V	24 V	—	M9NV	M9N	●	●	●	○	○	IC circuit	Relay, PLC
				3-wire (PNP)				F8N	—	●	—	●	○	—		
				2-wire				M9PV	M9P	●	●	●	○	○		
				3-wire (NPN)	F8P			—	●	—	●	○	—			
	Diagnostic indication (2-color indicator)			3-wire (PNP)	M9BV			M9B	●	●	●	○	○	—		
				2-wire	F8B			—	●	—	●	○	—			
	Water resistant (2-color indicator)			3-wire (NPN)	M9NVV			M9NV	●	●	●	○	○	IC circuit		
				3-wire (PNP)	M9PWW			M9PW	●	●	●	○	○			
				2-wire	M9BWW			M9BW	●	●	●	○	○		—	
				3-wire (NPN)	M9NAV**			M9NA**	○	○	●	○	○			
	3-wire (PNP)			M9PAV**	M9PA**			○	○	●	○	○				
	2-wire			M9BAV**	M9BA**			○	○	●	○	○				

\*\* 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 "○" are made to order specification.

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

Note 1) When using D-F8□, mount it at a distance of 10 mm or more from magnetic substances such as iron.

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