

Air Slide Table Long Stroke Type Series MXY

ø6, ø8, ø12

How to Order

MXY **6** - **50** - **M9BW** -

• **Mode to Order**
For details, refer to page 221.

• **Bore size/Standard stroke (mm)**

6	50, 100, 150, 200
8	50, 100, 150, 200, 250, 300
12	50, 100, 150, 200, 250, 300, 350, 400

• **Adjuster option**

Nil	Rubber stopper
B*	Shock absorber
C	Metal stopper

* Only for MXY12

• **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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• **One side centralized piping, switch rail**

Nil	One side centralized piping, with switch rail
N	Without one side centralized piping, without switch rail

The auto switch cannot be mounted on the one side centralized piping type without switch rail (N).

Applicable Auto Switch/Refer to pages 1719 to 1827 for further information on auto switches.

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)		IC circuit	Relay PLC	
Solid state switch	—	Grommet	Yes	3-wire (NPN)	24 V	5 V, 12 V	—	M9NV	M9N	●	●	●	○	○	IC circuit	Relay PLC
				3-wire (PNP)				M9PV	M9P	●	●	●	○	○		
				2-wire				M9BV	M9B	●	●	●	○	○		
	Diagnostic indication (2-color indication)			3-wire (NPN)	5 V, 12 V	M9NWV	M9NW	●	●	●	○	○	IC circuit			
				3-wire (PNP)		M9PWV	M9PW	●	●	●	○	○				
				2-wire		M9BWV	M9BW	●	●	●	○	○				
Reed switch	—	Grommet	Yes	3-wire (NPN equiv.)	—	5 V	—	A96V	A96	●	—	●	—	—	IC circuit	—
				2-wire	24 V	12 V	100 V	A93V	A93	●	—	●	—	—	—	—
							100 V or less	A90V	A90	●	—	●	—	—	—	IC circuit

* 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

* Solid state auto switches marked with "○" are produced upon receipt of order.

* Refer to page 225 for applicable auto switches in addition to those listed above.
* For details on auto switches with a pre-wired connector, refer to pages 1784 and 1785.
* Auto switches are shipped together (not assembled).

Specifications



Model		MXY6	MXY8	MXY12
Bore size (mm)		6	8	12
Port size		M5 x 0.8		
Fluid		Air		
Action		Double acting (type)		
Operating pressure		0.2 to 0.55 MPa		
Proof pressure		0.83 MPa		
Ambient and fluid temperature		-10 to 60°C		
Piston speed		50 to 400 mm/S Metal stopper: 50 to 200 mm/S		
Cushion		Rubber bumper Shock absorber (option, not available on MXY6, MXY8) None (with metal stopper)		
Lubrication		Non-lube (equipment), unlubricated		
Stroke adjuster		Standard		
Stroke adjustment range	Rubber stopper	One side 0 to 5 mm		
	Shock absorber	—	—	One side 0 to 15 mm
	Metal stopper	One side 0 to 5 mm		
Auto switch		Reed auto switches (2-wire, 3-wire) Solid state auto switches (2-wire, 3-wire) 2-color display solid state auto switches (2-wire, 3-wire)		
Stroke length tolerance		+1 0 mm		

Note) The shock absorber service life is different from that of the MXY cylinder depending on operating conditions. Refer to the Specific Product Precautions for the replacement period.

Theoretical Output (N)

Cylinder bore (mm)	Piston area (mm ²)	Operating pressure (MPa)				
		0.2	0.3	0.4	0.5	0.55
6	28	6	8	11	14	15
8	50	10	15	20	25	28
12	113	23	34	45	57	62



Made to Order Specifications
(Refer to pages 1955 to 2021 for details.)

Symbol	Specifications
-X7	PTFE grease
-X9	Grease for food
-X11	Adjusting bolt, long specification (Adjustment range: 15 mm)
-X12	Adjusting bolt, long specification (Adjustment range: 25 mm)
-X39	Fluororubber seal
-X42	Anti-corrosive guide unit
-X45	EPDM seal

Standard Stroke (mm)

Model	Standard stroke
MXY6	50, 100, 150, 200
MXY8	50, 100, 150, 200, 250, 300
MXY12	50, 100, 150, 200, 250, 300, 350, 400

Magnetic Holding Force (N)

Model	Magnetic holding force
MXY6	19
MXY8	34
MXY12	77

Mass (g)

Model	One side centralized piping, with switch rail								One side centralized piping, without switch rail							
	Stroke (mm)								Stroke (mm)							
	50	100	150	200	250	300	350	400	50	100	150	200	250	300	350	400
MXY6	270	330	390	450	—	—	—	—	230	280	330	380	—	—	—	—
MXY8	420	510	600	690	780	870	—	—	410	480	550	620	690	760	—	—
MXY12	930	1060	1190	1320	1450	1580	1710	1840	910	1020	1130	1240	1350	1460	1570	1680

MXH

MXU

MXS

MXQ

MXF

MXW

MXJ

MXP

MXV

MTS

D-

-X

Individual
-X