

# Low Profile Slide Table Series *MXF*

## How to Order

Low Profile Slide Table

**MXF 12 - 50 - M9BW** [ ] - [ ]

Bore size/  
Stroke (mm)

ø8	10, 20, 30
ø12	20, 30, 50
ø16	30, 50, 75
ø20	30, 50, 75, 100

• Made to Order  
Refer to page 137 for details.

• Number of auto switches

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

• Auto switch

Nil	Without auto switch (Built-in magnet)
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\* For the applicable auto switch model, refer to the table below.

## How to Order Stroke Adjusting Bolt (Accessory)

**MXF - A 16 27 - X11**

Applicable bore size

8	ø8
12	ø12
16	ø16
20	ø20

• Adjustment range

Nil	5 mm	Standard
X11	15 mm	Option
X12	25 mm	

\* -X12 (adjustable range 25 mm) is not available in Series MXF8/MXF12.

## Applicable Auto Switch/Refer to pages 1719 to 1827 for the detailed specifications of 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	Diagnostic indication (2-color indication)	Grommet	Yes	3-wire (NPN)	24 V	5 V, 12 V	—	<b>M9NV</b>	<b>M9N</b>	●	●	●	○	○	IC circuit	Relay, PLC	
				3-wire (PNP)				<b>M9PV</b>	<b>M9P</b>	●	●	●	○	○			
				2-wire				<b>M9BV</b>	<b>M9B</b>	●	●	●	○	○			○
				3-wire (NPN)				<b>M9NWV</b>	<b>M9NW</b>	●	●	●	○	○			○
				3-wire (PNP)				<b>M9PWV</b>	<b>M9PW</b>	●	●	●	○	○			○
				2-wire				<b>M9B WV</b>	<b>M9BW</b>	●	●	●	○	○			○
Reed switch	—	Grommet	No	3-wire (NPN equivalent)	—	5 V	—	<b>A96V</b>	<b>A96</b>	●	—	●	—	—	IC circuit	—	
				2-wire	24 V	12 V	100 V	<b>A93V</b>	<b>A93</b>	●	—	●	—	—	—	Relay, PLC	
							100 V or less	<b>A90V</b>	<b>A90</b>	●	—	●	—	—	—	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.

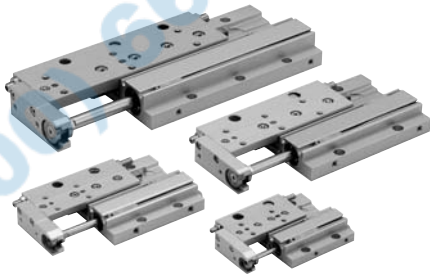
\* Since there are other applicable auto switches than listed, refer to page 145 for details.

\* For details about auto switches with pre-wired connector, refer to pages 1784 and 1785.

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

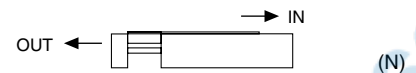
# Low Profile Slide Table *Series MXF*

## Specifications



Bore size (mm)	8	12	16	20
Piping port size	M3 x 0.5	M5 x 0.8		
Fluid	Air			
Action	Double acting			
Operating pressure	0.15 to 0.7 MPa			
Proof pressure	1.05 MPa			
Ambient and fluid temperature	-10 to 60°C			
Piston speed	50 to 500 mm/s			
Cushion	Rubber bumper on both sides			
Lubrication	Non-lube			
Auto switch (Option)	Reed auto switch Solid state auto switch (2-wire, 3-wire) 2-color indication solid state auto switch (2-wire, 3-wire)			
Stroke length tolerance	$+1_0$ mm			
Stroke adjustment range	Extension end 5 mm/Retraction end 5 mm			

## Theoretical Output



Bore size (mm)	Rod size (mm)	Operating direction	Piston area (mm <sup>2</sup> )	Operating pressure (MPa)					
				0.2	0.3	0.4	0.5	0.6	0.7
8	4	OUT	50	10	15	20	25	30	35
		IN	38	8	11	15	19	23	27
12	6	OUT	113	23	34	45	57	68	79
		IN	85	17	26	34	43	51	60
16	8	OUT	201	40	60	80	101	121	141
		IN	151	30	45	60	76	91	106
20	10	OUT	314	63	94	126	157	188	220
		IN	236	47	71	94	118	142	165

Note) Theoretical output (N) = Pressure (MPa) x Piston area (mm<sup>2</sup>)



**Made to Order Specifications**  
(For details, refer to pages 1955 to 2021.)

Symbol	Specifications
-X7	PTFE grease
-X9	Grease for food
-X11	Adjusting bolt, long specification (Adjustment range: 15 mm)
-X33	Without built-in auto switch magnet
-X39	Fluororubber seal
-X42	Anti-corrosive specifications for guide unit
-X45	EPDM seal

## Standard Stroke

Model	Standard stroke (mm)
MXF8	10, 20, 30
MXF12	20, 30, 50
MXF16	30, 50, 75
MXF20	30, 50, 75, 100

## Mass

Model	Standard stroke (mm)					
	10	20	30	50	75	100
MXF8	120	130	170	—	—	—
MXF12	—	210	250	360	—	—
MXF16	—	—	360	500	690	—
MXF20	—	—	600	750	1060	1370

MXH

MXU

MXS

MXQ

MXF

MXW

MXJ

MXP

MXY

MTS

D-□

-X□

Individual  
-X□