

Air Slide Table MXS Series

RoHS

How to Order

Air side table

MXS 12 - **50** **AS** **FR** - **M9BW** -

Port thread type

Nil	M thread	ø6 to ø16
	Rc	
TN	NPT	ø20, ø25
TF	G	

Bore size (Stroke (mm))

6	10, 20, 30, 40, 50
8	10, 20, 30, 40, 50, 75
12	10, 20, 30, 40, 50, 75, 100
16	10, 20, 30, 40, 50, 75, 100, 125
20	10, 20, 30, 40, 50, 75, 100, 125, 150
25	10, 20, 30, 40, 50, 75, 100, 125, 150

Adjuster option

Nil	Without adjuster
AS	Rubber stopper on extension end
AT	Rubber stopper on retraction end
A	Rubber stopper on both ends
BS ⁽¹⁾	Absorber on extension end
BT ⁽¹⁾	Absorber on retraction end
B ⁽¹⁾	Absorber on both ends
ASBT ⁽¹⁾	Rubber stopper on extension end + Absorber on retraction end
BSAT ⁽¹⁾	Rubber stopper on extension end + Rubber stopper on retraction end

Note 1) Options BS, BT and B are not available with the MXS6 series.

Number of auto switches

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

Made to order
For details refer to page 65.

Functional option

Nil	Standard
F	With buffer
R ⁽²⁾	With end lock
P	Axial piping type
FR ⁽²⁾	With buffer and end lock
FP	With buffer, Axial piping type

Note 2) Option R is not available with the MXS6 series.

Auto switch

Nil	Without auto switch (Built-in magnet)
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* For the applicable auto switch models, refer to the table below. For the applicable auto switches for buffer, refer to page 83.

Option Combinations

Adjuster option	Functional option					
	Nil	F	R	P	FR	FP
Nil	○	○	○	○	○	○
AS	○	○ ⁽³⁾	○	○	○ ⁽³⁾	○ ⁽³⁾
AT	○	○	×	×	×	×
A	○	○ ⁽³⁾	×	×	×	×
BS	○	×	○	○	×	×
BT	○	○	×	×	×	×
B	○	×	×	×	×	×
ASBT	○	○ ⁽³⁾	×	×	×	×
BSAT	○	×	×	×	×	×

○: Available ×: Not available

Note 3) When the buffer mechanism and the adjuster on extension end are combined, the buffer stroke will be shorter by the length adjusted by the adjuster on the extension end.

Applicable Auto Switches/Refer to pages 1289 to 1383 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	Diagnostic indication (2-color indicator)	Grommet	Yes	3-wire (NPN)	5 V, 12 V	—	M9NV	M9N	●	●	●	○	○	IC circuit	Relay, PLC	
				3-wire (PNP)			M9PV	M9P	●	●	●	○				
				2-wire	M9BV		M9B	●	●	●	○	○				
				3-wire (NPN)	M9NVV		M9NV	●	●	●	○	○	IC circuit			
	Water resistant (2-color indicator)	Grommet	Yes	3-wire (PNP)	5 V, 12 V		M9PVV	M9PV	●	●	●	○	○	○		IC circuit
				2-wire	M9BWW		M9BW	●	●	●	○	○	○	—		
				3-wire (NPN)	M9NAV*1		M9NA*1	○	○	●	○	○	○	IC circuit		
				3-wire (PNP)	M9PAV*1		M9PA*1	○	○	●	○	○	○	IC circuit		
Reed switch	—	Grommet	No	3-wire (NPN equivalent)	5 V	—	A96V	A96	●	—	●	—	—	IC circuit	—	
				2-wire	100 V	A93V*2	A93	●	●	●	—	—	—	Relay, PLC		
					12 V	A90V	A90	●	—	●	—	—	—	IC circuit		
					100 V or less	A90V	A90	●	—	●	—	—	—	IC circuit		

* 1 Water resistant type auto switches are mountable on the above models, but in such case SMC cannot guarantee water resistance.

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

* Lead wire length symbols: 0.5 m Nil (Example) M9NV
1 m M (Example) M9NVW
3 m L (Example) M9NVWL
5 m Z (Example) M9NVWZ

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

* Since there are additional applicable auto switches than are listed, refer to page 92 for details.

* For details on auto switches with a pre-wired connector, refer to pages 1358 and 1359.

* Auto switches are shipped together (not assembled).

Air Slide Table (Symmetric Type)

MXS□L Series

How to Order

Air slide table

MXS 12 □ **L** - **50** **AS** - **M9BW** □ - □

Port thread type

Nil	M thread	ø6 to ø16
	Rc	
TN	NPT	ø20, ø25
TF	G	

Symmetric type

Bore size (Stroke (mm))

6	10, 20, 30, 40, 50
8	10, 20, 30, 40, 50, 75
12	10, 20, 30, 40, 50, 75, 100
16	10, 20, 30, 40, 50, 75, 100, 125
20	10, 20, 30, 40, 50, 75, 100, 125, 150
25	10, 20, 30, 40, 50, 75, 100, 125, 150

Adjuster option

Nil	Without adjuster
AS	Rubber stopper on extension end
AT	Rubber stopper on retraction end
A	Rubber stopper on both ends
BS ⁽¹⁾	Absorber on extension end
BT ⁽¹⁾	Absorber on retraction end
B ⁽¹⁾	Absorber on both ends
ASBT ⁽¹⁾	Rubber stopper on extension end + Absorber on retraction end
BSAT ⁽¹⁾	Absorber on extension end + Rubber stopper on retraction end

Note 1) Options BS, BT and B are not available with the MXS6L series.
 Note 2) Functional option is not available with the MXS□□L series.



Made to Order
(For details, refer to the table)

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 models, refer to the table below.



Made to Order: Individual Specifications
(For details, refer to pages 93 and 94.)

Symbol	Specifications
-X7	PTFE grease
-X9	Grease for food processing equipment
-X11	Adjusting bolt, long specification (Adjustment range: 15 mm)
-X12	Adjusting bolt, long specification (Adjustment range: 25 mm)
-X33	Without built-in auto switch magnet
-X39	Fluororubber seal
-X42	Anti-corrosive specifications for guide unit
-X2578	Adjuster side mounting type

For clean room specifications, refer to the **Web Catalog**.

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 [Web Catalog](#).

Symbol
Rubber bumper



Specifications

Specifications, adjuster options, and weights are the same as those of the standard type. Refer to page 65.

Applicable Auto Switches

Refer to pages 1289 to 1383 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	
																5 V, 12 V
Solid state switch	Diagnostic indication (2-color indicator)	Grommet	Yes	3-wire (NPN)	5 V, 12 V	—	M9NV	M9N	●	●	●	○	○	○	IC circuit	Relay, PLC
				3-wire (PNP)			M9PV	M9P	●	●	●	○	○			
				2-wire	M9BV	M9B	●	●	●	○	○					
				3-wire (NPN)	M9NVV	M9NVW	●	●	●	○	○					
	Water resistant (2-color indicator)	Grommet	Yes	3-wire (PNP)	5 V, 12 V	—	M9PVV	M9PVW	●	●	●	○	○	○	IC circuit	Relay, PLC
				2-wire			M9BWW	M9BWW	●	●	●	○	○			
				3-wire (NPN)	M9NAV ^{*1}	M9NA ^{*1}	○	○	●	○	○					
				3-wire (PNP)	M9PAV ^{*1}	M9PA ^{*1}	○	○	●	○	○					
Reed switch	Grommet	Yes	No	3-wire (NPN equivalent)	5 V	—	A96V	A96	●	—	●	—	—	IC circuit	Relay, PLC	
				2-wire			A93V ^{*2}	A93	●	●	●	—	—			
				24 V	12 V	A90V	A90	●	●	●	—	—				
						100 V	100 V or less	●	●	●	—	—				

* 1 Water resistant type auto switches are mountable on the above models, but in such case SMC cannot guarantee water resistance.
 * 2 1 m lead wire is only applicable to the D-A93.

* Lead wire length symbols: 0.5 m Nil (Example) M9NW
 1 m M (Example) M9NVW
 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 additional applicable auto switches than are listed, refer to page 92 for details.
 * For details on auto switches with a pre-wired connector, refer to pages 1358 and 1359.
 * Auto switches are shipped together (not assembled).