

Plate Cylinder: Single Acting, Spring Return/Extend

MU Series

ø25, ø32, ø40, ø50, ø63

RoHS

How to Order

MU B 25 - 10 S M Z

With auto switch MDU B 25 - 10 S M Z - M9BW S

With auto switch
(Built-in magnet)

Mounting

B	Basic
L	Foot
F	Rod flange
G	Head flange
C	Single clevis
D	Double clevis

* Brackets are shipped together, (but not assembled).

Size

25	Equiv. ø25 piston area
32	Equiv. ø32 piston area
40	Equiv. ø40 piston area
50	Equiv. ø50 piston area
63	Equiv. ø63 piston area

Port thread type

Nil	M thread	ø25
	Rc	ø32, ø40
TN	NPT	ø50, ø63
TF	G	

Number of auto switches

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

Auto switch

Nil	Without auto switch
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* Refer to the below table for applicable auto switch models.

Rod end configuration

Nil	Rod end female thread
M	Rod end male thread

Action

S	Single acting, Spring return
T	Single acting, Spring extend

Built-in Magnet Cylinder Model

If a built-in magnet cylinder without an auto switch is required, there is no need to enter the symbol for the auto switch. (Example) MDUL32-10TZ

Cylinder standard stroke (mm)

ø25, ø32	5, 10
ø40, ø50, ø63	5, 10, 15, 20

Applicable Auto Switches

Refer to pages 1575 to 1701 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)		
Solid state auto switch	—	Grommet	Yes	3-wire (NPN)	5 V, 12 V	—	M9NV	M9N	●	●	●	○	IC circuit
				3-wire (PNP)			M9PV	M9P	●	●	○	○	
				2-wire	M9BV	M9B	●	●	○	○	—		
				3-wire (NPN)	M9N WV	M9N W	●	●	○	○			
	Diagnostic indication (2-color indicator)			3-wire (PNP)	M9P WV	M9P W	●	●	○	○	IC circuit		
				2-wire	M9B WV	M9B W	●	●	○	○			
	Water resistant (2-color indicator)			3-wire (NPN)	M9NA*1	M9NA*1	○	○	●	○	IC circuit		
				3-wire (PNP)	M9PA*1	M9PA*1	○	○	●	○			
	Magnetic field resistant (2-color indicator)	2-wire	M9BA*1	M9BA*1	○	○	●	○	—				
		2-wire (Non-polar)	—	P3DWA (Note 2)	●	—	●	○					
Reed auto switch	—	Grommet	Yes	3-wire (NPN equivalent)	5 V	—	A96V	A96	●	●	—	—	IC circuit
				2-wire			A93V*2	A93	●	●	●	—	
				2-wire	A90V	A90	●	●	—	—	IC circuit		
None	24 V	12 V	100 V	100 V or less									

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

Consult with SMC regarding water resistant types with the above model numbers.

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

* Lead wire length symbols: 0.5 m Nil (Example) M9NW * Solid state auto switches marked with "○" are produced upon receipt of order.

1 m M (Example) M9NWM

3 m L (Example) M9NWL

5 m Z (Example) M9NWZ

* For details about auto switches with pre-wired connector, refer to pages 1648 and 1649.

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

Note 1) The D-M9□V/M9□WV/M9□AV/A9□V auto switches cannot be mounted on the ported surface with some cylinder strokes and sizes of fittings. This should be checked beforehand.

Note 2) The magnetic field resistant auto switch (D-P3DWA□) is available the current MU series. Refer to page 1058 for the how-to-order.