

Plate Cylinder: Double Acting, Single Rod

MU Series

ø25, ø32, ø40, ø50, ø63



How to Order

MU B 25 - 30 D M Z - ● **Made to Order**
Refer to page 1037 for details.

With auto switch MDU B 25 - 30 D M Z - M9BW S

● **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	Equip. ø25 piston area
32	Equip. ø32 piston area
40	Equip. ø40 piston area
50	Equip. ø50 piston area
63	Equip. ø63 piston area

● **Port thread type**

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

● **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**

D	Double acting
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● **Cylinder stroke (mm)**
Refer to "Standard Stroke" on page 1037.

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) MDUL32-30DZ

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)			5 (Z)		
Solid state auto switch	—	Grommet	Yes	3-wire (NPN)	24 V	5 V, 12 V	—	M9NV	M9N	●	●	○	○	IC circuit		
				3-wire (PNP)				M9PV	M9P	●	●	○	○			
				2-wire				M9BV	M9B	●	●	○	○			
				3-wire (NPN)				M9NWV	M9NW	●	●	○	○			
	Diagnostic indication (2-color indicator)			3-wire (PNP)	5 V, 12 V	12 V	—	M9PWV	M9PW	●	●	○	○	IC circuit		
								2-wire	M9BWV	M9BW	●	●	○		○	
	Water resistant (2-color indicator)			3-wire (NPN)	5 V, 12 V	12 V	—	M9NAV ^{*1}	M9NA ^{*1}	○	○	○	○	IC circuit		
								3-wire (PNP)	M9PAV ^{*1}	M9PA ^{*1}	○	○	○		○	
	Magnetic field resistant (2-color indicator)	2-wire	12 V	—	—	—	—	M9BAV ^{*1}	M9BA ^{*1}	○	○	○	○	—		
								2-wire (Non-polar)	—	P3DWA ^{Note 2)}	●	—	●		●	
3-wire (NPN equivalent)								—	A96V	A96	●	●	—		—	IC circuit
2-wire								24 V 12 V	A93V ^{*2}	A93	●	●	●		—	
Reed auto switch	—	Grommet	None	2-wire	24 V 12 V	100 V 100 V or less	—	A90V	A90	●	—	—	—	IC circuit		

*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
1 m M (Example) M9NWM
3 m L (Example) M9NL
5 m Z (Example) M9NWZ

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

* 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.

