

Compact Guide Cylinder

MGP Series

ø12, ø16, ø20, ø25, ø32, ø40, ø50, ø63, ø80, ø100

How to Order

MGP M 25 - 30 Z - M9BW

Compact Guide Cylinder

Bearing type

M	Slide bearing
L	Ball bushing
A	High precision ball bushing

Bore size

12	12 mm	40	40 mm
16	16 mm	50	50 mm
20	20 mm	63	63 mm
25	25 mm	80	80 mm
32	32 mm	100	100 mm

Port thread type

Nil	M5 x 0.8
TC	Rc
TN	NPT
TF	G

*: For bore sizes ø12 and ø16, only M5 x 0.8 is available.

•Made to Order
For details, refer to page 433.

•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 applicable auto switches, refer to the table below.

•Cylinder stroke [mm]

Refer to Standard Strokes on page 433.

Applicable Auto Switches

Refer to pages 1119 to 1245 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)	5 V, 12 V	—	M9NV	M9N	●	●	●	○	○	IC circuit	Relay, PLC
	3-wire (PNP)			M9PV			M9P	●	●	●	○				
	2-wire			12 V	M9BV		M9B	●	●	●	○	○	—		
	3-wire (NPN)			5 V, 12 V	M9NVW		M9NW	●	●	●	○	○		IC circuit	
	3-wire (PNP)				M9PWV		M9PW	●	●	●	○	○			
	2-wire			12 V	M9BWV		M9BW	●	●	●	○	—			
	3-wire (NPN)			5 V, 12 V	M9NAV*1		M9NA*1	○	○	●	○		○	IC circuit	
	3-wire (PNP)				M9PAV*1		M9PA*1	○	○	●	○	○			
	2-wire			12 V	M9BAV*1		M9BA*1	○	○	○	○	—			
	2-wire (Non-polar)			—	—		P3DWA*2	●	—	●	○				
Reed auto switch	—	Grommet	Yes	3-wire (NPN equivalent)	—	5 V	A96V	A96	●	—	●	—	—	IC circuit	—
	No			2-wire	24 V	12 V	100 V or less	A93V*3	A93	●	●	●	—	—	IC circuit

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

A water resistant type cylinder is recommended for use in an environment which requires water resistance.

However, please contact SMC for water resistant products of ø12 and ø16.

*2: The D-P3DWA□ is mountable on bore size ø25 to ø100.

*3: 1 m type lead wire is only applicable to the D-A93.

*: Lead wire length symbols: 0.5 m.....Nil (Example) M9NW
1 m.....M (Example) M9NWM
3 m.....L (Example) M9NWL
5 m.....Z (Example) M9NWX

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

*: Since there are other applicable auto switches than listed above, refer to page 489 for details.

*: For details about auto switches with pre-wired connector, refer to pages 1192 and 1193.

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