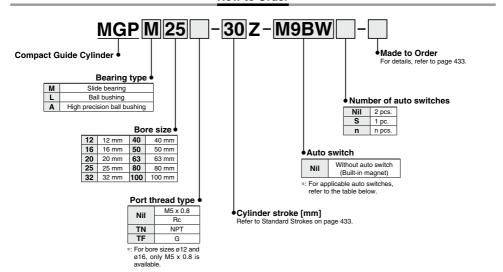
Compact Guide Cylinder

MGP Series

Ø12, Ø16, Ø20, Ø25, Ø32, Ø40, Ø50, Ø63, Ø80, Ø100

How to Order



Applicable Auto Switches/Refer to pages 1119 to 1245 for further information on auto switches

	Special function	Electrical entry	Indicator light		Load voltage			Auto switch model		Lead wire length [m]						
Туре				Wiring (Output)	DC		AC	Perpendicular	In-line	0.5 (Nil)	1 (M)	3 (L)	5 (Z)	Pre-wired connector		
Solid state auto switch	_	Grommet	Yes	3-wire (NPN)	24 V	5 V, 12 V		M9NV	M9N	•	•	•	0	0	IC	
				3-wire (PNP)				M9PV	M9P	•	•	•	0	0	circuit	
				2-wire		12 V		M9BV	M9B	•	•	•	0	0	_	
	Diagnostic indication (2-color indicator)			3-wire (NPN)		5 V. 12 V	_	M9NWV	M9NW	•	•	•	0	0	IC	
				3-wire (PNP)		5 V, 12 V		M9PWV	M9PW	•	•	•	0	0	circuit	
				2-wire		12 V		M9BWV	M9BW	•	•	•	0	0	_	Relay, PLC
	Water resistant (2-color indicator)			3-wire (NPN)		5 V, 12 V		M9NAV*1	M9NA*1	0	0	•	0	0	IC	1
				3-wire (PNP)				M9PAV*1	M9PA*1	0	0	•	0	0	circuit	
				2-wire		12 V		M9BAV*1	M9BA*1	0	0	•	0	0		
	Magnetic field resistant (2-color indicator)			2-wire (Non-polar)		_		_	P3DWA*2	•	_	•	•	0	_	
Reed auto switch	_	Grommet	Yes No	3-wire (NPN equivalent)	_	5 V	_	A96V	A96	•	-	•	_	_	IC circuit	_
				2-wire	24 V	12 V	100 V	A93V*3	A93	•	•	•	•	_	_	Relay, PLC
				2-wire	24 V		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. 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.
- - 3 m----- L (Example) M9NWL 5 m---- Z (Example) M9NWZ
- *: 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).

