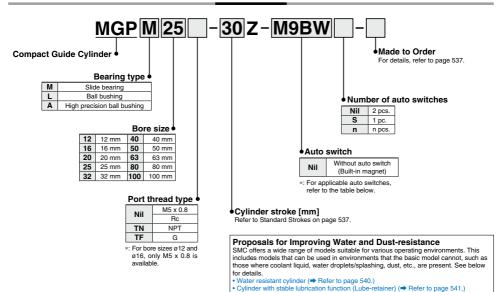
Compact Guide Cylinder MGP Series

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

How to Order



Applicable Auto Switches/Refer to pages 1289 to 1383 for further information on auto switches

	Special function		ig.		L	oad volta	ge	Auto swit	ch model	Lead	wire	lengt	n [m]			
Туре		Electrical entry	Indicator light	Wiring (Output)	DC		AC	Perpendicular In-line		0.5 (Nil)		3 (L)	5 (Z)	Pre-wired connector	Applicable load	
				3-wire (NPN)	5 V, 1	EV 10 V		M9NV	M9N	•	•	•	0	0	IC	IC
switch	_			3-wire (PNP)		5 V, 12 V		M9PV	M9P	•	•	•	0	0	circuit	
¥				2-wire		12 V		M9BV	M9B	•	•	•	0	0	_	
anto	Diagnostic indication (2-color indicator)			3-wire (NPN)		5 V. 12 V		M9NWV	M9NW	•	•		0	0	IC circuit	Relay, PLC
		Grommet		3-wire (PNP)		5 V, 12 V		M9PWV	M9PW	•	•	•	0	0		
			Yes	2-wire	24 V	12 V	_	M9BWV	M9BW	•	•	•	0	0		
state	Water resistant (2-color indicator)			3-wire (NPN)		5 V, 12 V		M9NAV*1	M9NA*1	0	0	•	0	0	IC	
				3-wire (PNP)				M9PAV*1	M9PA*1	0	0	•	0	0	circuit	
Solid				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	_		Yes	3-wire (NPN equivalent)	_	5 V	_	A96V	A96	•	_	•	_	_	IC circuit	_
Reed		Grommet		2-wire 24	24 V	12 V	100 V	A93V*3	A93	•	•	•	•	_	_	Relay,
			No	2-wire	24 V	12 V	100 V or less	A90V	A90	•	_	•	_	_	IC circuit	PLC

Dust resistant cylinder ⇒(Web Catalog)

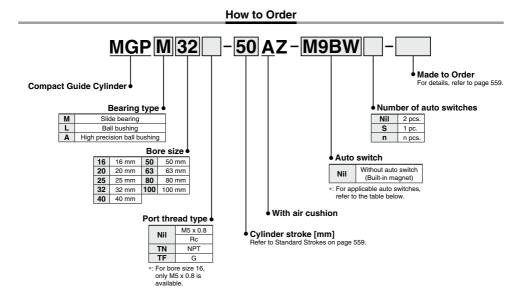
- *1: Water resistant type auto switches are mountable on the above models, but in such case SMC cannot guarantee water resistance A water resistant type cylinder is recommended for use in an environment which requires water resistance.
 - However, please contact SMC for water resistant products of ø12 and ø16.

5 m..... Z

- *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 mNil (Example) M9NW
 - (Example) M9NWM (Example) M9NWZ
 - 1 m----- M 3 m----- L (Example) M9NWL
- *: Solid state auto switches marked with " O " are produced upon receipt of order.
- *: Other than the auto switches listed above, the D-P4DW type can be mounted. Refer to page 595 for details. *: For details about auto switches with pre-wired connector, refer to pages 1358 and 1359.
- *: Auto switches are shipped together, (but not assembled).

Compact Guide Cylinder With Air Cushion MGP Series

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



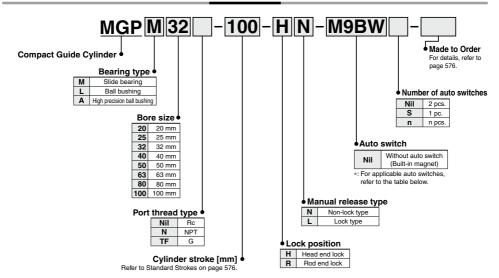
Applicable Auto Switches/Refer to pages 1289 to 1383 for further information on auto switches.

		Electrical entry	Indicatorlight	140	L	oad volta	ge	Auto swit	ch model	Lead	wire	lengt	h [m]	D		
Туре				Wiring (Output)	DC		AC	Perpendicular In-line		0.5 (Nil)	1 (M)	3 (L)	5 (Z)	Pre-wired connector	Applicable load	
state auto switch		Grommet		3-wire (NPN)	PN) 24 V	5 V,12 V		M9NV	M9N			•	0	0	IC	
				3-wire (PNP)				M9PV	M9P		•	•	0	0	circuit —	Relay,
				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)				M9PWV	M9PW	•	•	•	0	0	circuit —	
			Yes	2-wire		12 V] —	M9BWV		•		•	0	0		
	Water resistant (2-color indicator)			3-wire (NPN) 3-wire (PNP) 2-wire		5 V,12 V		M9NAV*1	M9NA*1	0	0	•	0	0	IC	
								M9PAV*1	M9PA*1	0	0	•	0	0	circuit	
Solid					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	_		Yes	3-wire (NPN equivalent)	_	5 V	_	A96V	A96	•	_	•	-	_	IC circuit	_
		Grommet		2-wire	24 V	12 V	100 V	A93V*3	A93	•	•	•	•	_	_	Relay,
			No		24 V	12 V	100 V or less	A90V	A90	•	_	•	-	_	IC circuit	PLC

- *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
 - *: Solid state auto switches marked with "O" are produced upon receipt of order.
 - 3 m L (Example) M9NWL (Example) M9NWZ 5 m..... Z
- *: Other than the auto switches listed above, the D-P4DW type can be mounted. Refer to page 595 for details.
- *: For details about auto switches with pre-wired connector, refer to pages 1358 and 1359.
- *: Auto switches are shipped together, (but not assembled).

Compact Guide Cylinder/With End Lock MGP Series Ø20, Ø25, Ø32, Ø40, Ø50, Ø63, Ø80, Ø100

How to Order



Applicable Auto Switches/Refer to pages 1289 to 1383 for further information on auto switches.

	Special function	Electrical entry	light		L	oad volta	ge	Auto swit	ch model	Lead	wire I	ength	[m]	Does continued			
Туре			Indicator	Wiring (Output)	DC		AC	Perpendicular In-line		0.5 (Nil)	1 (M)	3 (L)	5 (Z)	Pre-wired connector	Applicable load		
	Diagnostic indication (2-color indicator)	Grommet		3-wire (NPN)	-wire (PNP) 2-wire -wire (NPN) -wire (PNP) 2-wire 24 V -wire (NPN)	5 V,12 V	v	M9NV	M9N	•	•	•	0	0	IC		
ڃ				3-wire (PNP)				M9PV	M9P	•	•	•	0	0	circuit IC circuit —	Relay,	
switch				2-wire		12 V		M9BV	M9B	•	•	•	0	0			
anto				3-wire (NPN)		5 V,12 V 12 V 5 V,12 V		M9NWV	M9NW	•	•	•	0	0			
				3-wire (PNP)				M9PWV	M9PW	•	•	•	0	0			
			Yes	2-wire				M9BWV	M9BW	•	•	•	0	0			
state	Water resistant (2-color indicator)			3-wire (NPN) 3-wire (PNP) 2-wire				M9NAV*1	M9NA*1	0	0	•	0	0	IC		
S S								M9PAV*1	M9PA*1	0	0	•	0	0	circuit		
Solid					12 V		M9BAV*1	M9BA*1	0	0	•	0	0				
ν̈	Magnetic field resistant (2-color indicator)					2-wire (Non-polar)		_		_	P3DWA	•	-	•	•	0] -
Reed auto switch	_	0	Yes	3-wire (NPN equivalent)	_	5 V	_	A96V	A96	•	_	•	_	_	IC circuit	_	
Reedaut		Grommet		2-wire	24 V	12 V	100 V	A93V*2	A93	•	•	•	•	_	_	Relay,	
			No	2-wire	24 V	12 V	100 V or less	A90V	A90	•	_	•	_	_	IC circuit	PLC	

- *1: Water resistant type auto switches can be mounted on the above models, but in such case SMC cannot guarantee water resistance. Please consult with SMC regarding water resistant types with the above model numbers.
- *2: 1 m type lead wire is only applicable to the D-A93.
- - 1 m------ M (Example) M9NWM 3 m------ L (Example) M9NWL 5 m----- Z (Example) M9NWZ
- *: Solid state auto switches marked with "O" are produced upon receipt of order.
- *: Bore sizes 32 to 100 are available for D-P4DW□.
- *: Bore sizes 25 to 100 are available for D-P3DWA \Box
- *: Since there are other applicable auto switches than listed above, refer to page 595 for details.
- *: For details about auto switches with pre-wired connector, refer to pages 1358 and 1359.
- *: Auto switches are shipped together, (but not assembled).