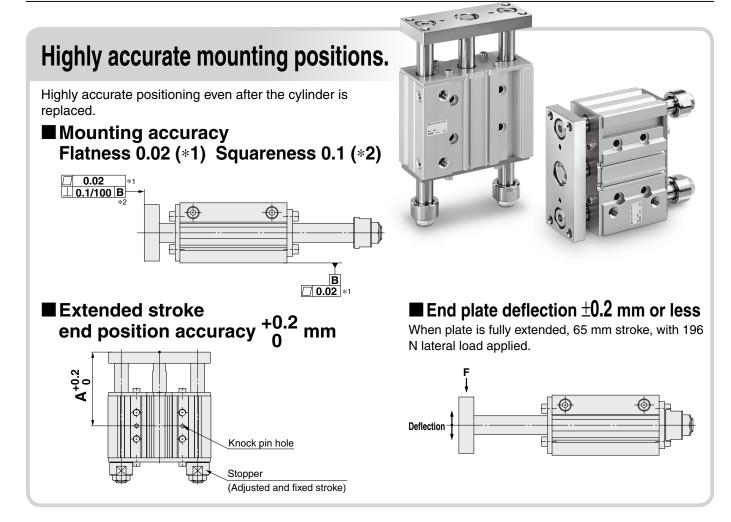
INFORMATION

Ideal for pin positioning and locating workpiece

Locating Pin Cylinder



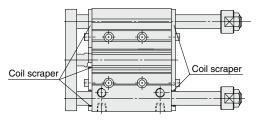
D-P3DWA magnetic field resistant auto switch available

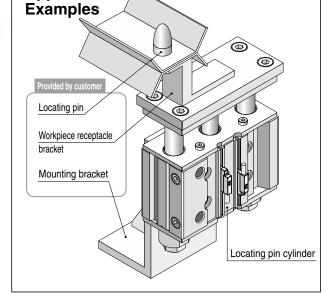
<Applicable Auto Switches>

- Magnetic field resistant auto switch: D-P3DWA□, D-P4DW□
- ●Small auto switch: D-M9□, D-A9□



Coil scraper equipped as standard





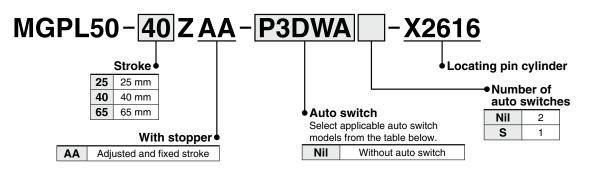
Application



MGPL50-X2616

Locating Pin Cylinder MGPL50-X2616 ø**50**

How to Order



Auto Switch Models: Refer to Best Pneumatics No. 3 for further information on auto switches. Magnetic Field Resistant Auto Switches

		ennenee						
Туре	Auto switch model	Applicable magnetic field	Electrical entry	Indicator light	Wiring (Pin no. in use)	Load voltage	Lead wire length	Applicable load
	D-P3DWASC D-P3DWASE		Pre-wired connector		2-wire (3–4) 2-wire (1–4)		0.3 m	
Solid state auto switch	D-P3DWA D-P3DWAL D-P3DWAZ	AC magnetic field (Single-phase AC welding	Grommet	2-color	2-wire	24 VDC	0.5 m 3 m 5 m	Relay, PLC
auto switch	P4DWSC*1 P4DWSE*1	magnetic field)	Pre-wired connector		2-wire (3–4) 2-wire (1–4)		0.3 m	FLO
	P4DWL*1 P4DWZ*1		Grommet		2-wire		3 m 5 m	

*1: When the D-P4DW auto switches are mounted on the same surface, they may not be adjustable to the most sensitive position with a 25 mm stroke. The D-P3DWA is recommended in this case.

Small Auto Switches ASmall auto switches cannot be used under a strong magnetic field.

	Oracial	Electrical	light		L	oad voltag	ge	Auto swite	ch model	Lea	d wire	length	[m]	Pre-wired	A	h l -
Туре	Special function	entry	Indicator light	Wiring (Output)	ſ	C	AC	Perpendicular	In-line	0.5 (Nil)	1 (M)	3 (L)	5 (Z)	connector	Appli loa	
Ę				3-wire (NPN)		5 V. 12 V		M9NV	M9N				0	0	IC	
switch	_			3-wire (PNP)		5 V, 12 V		M9PV	M9P		•		0	0	circuit	
				2-wire		12 V]	M9BV	M9B		•		0	0	—	
auto	Diagnostic			3-wire (NPN)		5 V, 12 V		M9NWV	M9NW		•	•	0	0	IC	Delay
a	indication	Grommet	Yes	3-wire (PNP)	24 V	5 V, 12 V	_	M9PWV	M9PW	•	•	•	0	0	circuit	Relay, PLC
state	(2-color indicator)			2-wire		12 V		M9BWV	M9BW		•	•	0	0	—	1 20
at st	Water			3-wire (NPN)		5 V, 12 V		M9NAV	M9NA	0	0	•	0	0	IC	
Solid	resistant			3-wire (PNP)		5 V, 12 V		M9PAV	M9PA	0	0		0	0	circuit	
Ň	(2-color indicator)			2-wire		12 V		M9BAV	M9BA	0	0	•	0	0	—	
7 05			Yes	3-wire (NPN equivalent)	—	5 V	—	A96V	A96		•			0	IC circuit	—
Reed auto switch	_	Grommet	res	2-wire	24 V	12 V	100 V	A93V	A93	•	•	•	•	O*1	—	Relay,
шех			No	∠-wire	24 V	5 V, 12 V	100 V or less	A90V	A90		۲	•	•	O*1	IC circuit	PLC
*1: The l	oad voltage us	sed is 24 VD	C.					*:	Lead wire l	ength s	ymbols	s: 0.5 n	n	⊷Nil (Exa	mple) M	9NWV

多SMC

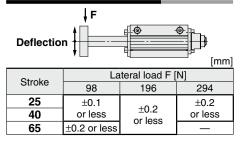
*: Auto switches marked with "O" are produced upon receipt of order.

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

Specifications

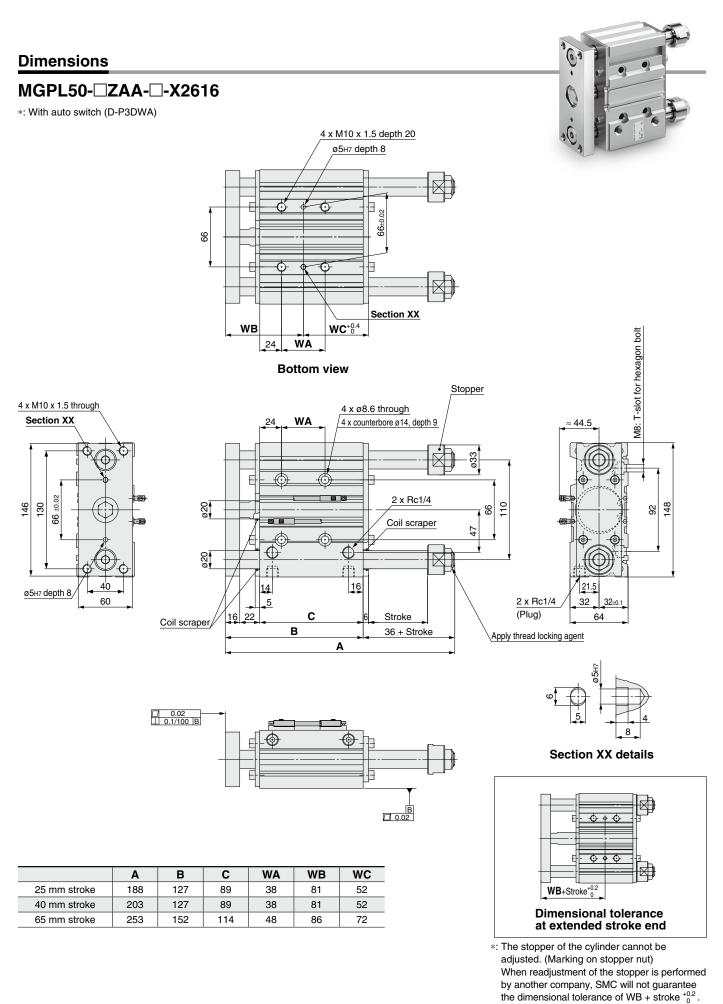
Bore size [mm]		50			
Stroke [mm]	25	40	65		
Maximum operating pressure		1.0 MPa			
Proof pressure	1.5 MPa				
Minimum operating pressure	0.14 MPa				
Ambient temperature		-10 to 60°C			
Fluid temperature		-10 to 60°C			
Cushion	Rubber bumper on both end	is (Extended end stopped by	stroke adjustment stopper.)		
Weight	4.4 kg	4.7 kg	4.9 kg		

End Plate Deflection



1 m······M (Example) M9NWVM 3 m······L (Example) M9NWVL 5 m·····Z (Example) M9NWVZ

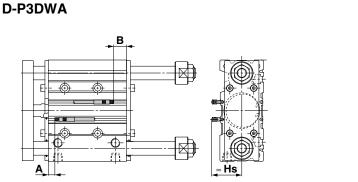
Locating Pin Cylinder MGPL50-X2616



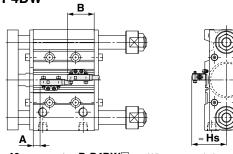
SMC

MGPL50-X2616

Auto Switch Proper Mounting Position (Detection at stroke end) and Mounting Height



D-P4DW



40 mm stroke: D-P4DW When two switches are mounted.

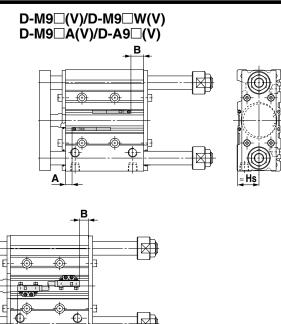
Auto Switch Proper Mounting Position

Auto switch model	Applicable	D-P3	DWA	D-P4	4DW	D-M9[D-M9[D-M9[⊐̀ẃ(v)	D-A9)□(V)
Bore size	ļ	Α	В	Α	В	Α	В	Α	В
	25	24.5	18.5	—	_	29	23	25	19
50	40	9.5	18.5	7	42	14	23	10	19
	65	9.5	18.5	7	16	14	23	10	19

Operating Range

	[mm]
Auto switch model	Operating range
D-P3DWA	6
D-P4DW	5
D-M9□(V)	
D-M9⊡W(V)	6
D-M9□A(V)	
D-A9□(V)	9.5

*: Values which include hysteresis are for guideline purposes only, they are not a guarantee (assuming approximately ±30% dispersion) and may change substantially depending on the ambient environment.



⁶⁵ mm stroke: D-P4DW When two switches are mounted.

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[mm]

Auto Switch Proper Mounting Height

Auto switch model		D-P4DW	D-M9□V D-M9□WV D-M9□AV	D-A9□V
Bore size	Hs	Hs	Hs	Hs
50	44.5	50.5	38.5	36

[mm]

Auto Switch Mounting Bracket Part No./Mounting Method

Applicable auto switch	D-P3DWA	D-M9⊡ D-A9⊡
Auto switch mounting bracket part no.	No mounting bracket required as t	ne auto switch is directly mounted.
Auto switch tightening torque	0.2 to 0.3 N·m	0.05 to 0.15 N⋅m (0.05 to 0.10 N⋅m for the D-M9□A(V))
Applicable auto switch	D-P4	IDW
	D-P4 BMG	
Applicable auto switch Auto switch mounting bracket part no. Auto switch tightening torque	BMG	7-032

A Safety Instructions Be sure to read the "Handling Precautions for SMC Products" (M-E03-3) and "Operation Manual" before use.

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