

Magnetically Coupled Rodless Cylinder: Low Profile Guide Type

CY1F Series

∅10, ∅15, ∅25

How to Order

CY1F 10 R - 300 - M9BW

Bore size (mm)

10	10
15	15
25	25

Cylinder stroke (mm)
Refer to page 1552 for standard stroke.

Number of auto switches

Nil	2 pcs.
S	1 pc.
n	"n" pcs.

Made to Order
Refer to page 1552 for details.

Thread type

Symbol	Type	Bore size (mm)
Nil	M	10, 15
	Rc	
TN	NPT	25
TF	G	

Auto switch

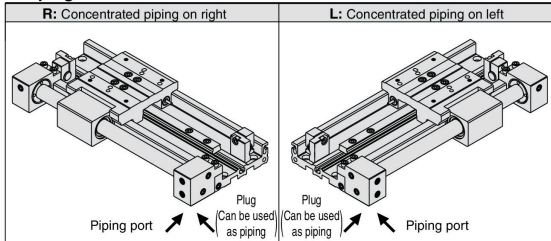
Nil	Without auto switch (Built-in magnet)
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* For the applicable auto switch model, refer to the table below.

Adjustment bolt

Nil	Both sides are standard
AL	Right: Standard For 25 mm adjustment on left
AR	For 25 mm adjustment on right Left: Standard
A	For 25 mm adjustment on both sides

Piping direction



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	Diagnostic indication (2-color indicator)	Grommet	Yes	3-wire (NPN)	24 V	5 V, 12 V	—	M9NV	M9N	●	●	●	○	○	Relay, PLC
				3-wire (PNP)				M9PV	M9P	●	●	●	○	○	
				2-wire	5 V, 12 V	—	M9NWV	M9NW	●	●	●	○	○		
				3-wire (PNP)			M9PWV	M9PW	●	●	●	○	○		
				2-wire	5 V, 12 V	—	M9BWB	M9BW	●	●	●	○	○		
				3-wire (NPN)			M9NAV ^{*1}	M9NA ^{*1}	○	○	○	○	○		
3-wire (PNP)	M9PA ^{*1}	M9PA ^{*1}	○	○	●	○	○	○							
2-wire	M9BAV ^{*1}	M9BA ^{*1}	○	○	●	○	○	○							
Reed auto switch	—	Grommet	Yes	3-wire (NPN equivalent)	—	5 V	—	A96V	A96	●	—	—	—	—	IC circuit
				No	2-wire	100 V	A93V ^{*2}	A93	●	●	●	—	—	—	Relay, PLC
						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) M9NWW
3 m L (Example) M9NWL
5 m Z (Example) M9NZZ

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

* For details about auto switches with pre-wired connector, refer to pages 1648 and 1649.

* Normally closed (NC = b contact) solid state auto switches (D-F9G/F9H types) are also available. Refer to page 1593 for details.

* The auto switch is shipped together, but not assembled.

CY3B
CY3R

CY1S

CY1L

CY1H

CY1F

CYP

D-□

-X□

Technical Data