Stopper Cylinder
Fixed Mounting Height
RSQ Series
ø12, ø16, ø20, ø32, ø40, ø50

RoHS

How to Order

ø12: RS D Q B 12 – 10 D – L – M9BW – –

ø20 to ø50: RS D Q B 20 – 15 D Z – L – M9BW – –

❶ ❷ ❸ ❹ ❺ ❻ ❼ ❽ ❾ ❿ ⓫

❶ With auto switch

Nil	Without magnet for switch*1
D	With auto switch (Built-in magnet)

*1 In the case of without magnet for switch, auto switch cannot be mounted.

❷ Mounting

B	Through-hole
A	Both ends tapped

* Since ø12 uses a common tube for both A and B, only B is used for part no. denotation.

❸ Bore size

12	12 mm
16	16 mm
20	20 mm
32	32 mm
40	40 mm
50	50 mm

❹ Port thread type

Nil	M thread	ø12, ø16
	Rc	ø20 to ø50
TN	NPT	
TF	G	
F	Built-in One-touch fittings*2	

*2 Bore sizes available w/ One-touch fittings are ø20 to ø50.
* TF for ø20 indicates M5.

❺ Cylinder stroke [mm]

12	10
16	10, 15
20	10, 15, 20
32	10, 15, 20
40	20, 25, 30
50	20, 25, 30

❻ Action

D	Double acting
B	Double acting with spring loaded
T	Single acting / spring extend

❼ Rod end configuration

Nil	Round bar
F	Round bar with female rod end*3
K	Chamfered
G	Chamfered with female rod end*3
R	Roller
L	Lever (Fixed absorber type)
B	Lever (Adjustable absorber type)
C	Lever (Adjustable absorber type) with cancel cap
D	Lever (Adjustable absorber type) with lock mechanism
E	Lever (Adjustable absorber type) with lock mechanism and cancel cap

* The lever type rod end is applicable only to bore sizes ø32, ø40, and ø50.
*3 Excluding ø12

❽ Mounting bolt

Nil	None
L	Shipped together

* Mounting bolt is shipped together only when the "Mounting" symbol is B. For details about the mounting bolt sizes, refer to page 562.

❾ Auto switch

Nil	Without auto switch

* For applicable auto switches, refer to the table below.

❿ Number of auto switches

Nil	2
S	1

⓫ Made to order

For details, refer to page 561.

Applicable Auto Switches/Refer to pages 941 to 1067 for further information on auto switches.

Type	Special function	Electrical entry	Indicator light	Wiring (Output)	Load voltage DC		Load voltage AC	Auto switch model: Perpendicular	Auto switch model: In-line	Lead wire length [m]: 0.5 (Nil)	1 (M)	3 (L)	5 (Z)	None (N)	Pre-wired connector	Applicable load	
Solid state auto switch	——	Grommet	Yes	3-wire (NPN)	24 V	5 V, 12 V	—	M9NV	M9N	●	●	●	○	—	○	IC circuit	Relay, PLC
				3-wire (PNP)				M9PV	M9P	●	●	●	○	—	○		
				2-wire		12 V		M9BV	M9B	●	●	●	○	—	○	—	
	Diagnostic indication (2-color indicator)			3-wire (NPN)		5 V, 12 V		M9NWV	M9NW	●	●	●	○	—	○	IC circuit	
				3-wire (PNP)				M9PWV	M9PW	●	●	●	○	—	○		
				2-wire		12 V		M9BWV	M9BW	●	●	●	○	—	○	—	
	Water-resistant (2-color indicator)			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	○	○	●	○	—	○	—	
	Magnetic field-resistant (2-color indicator)			2-wire (Non-polar)		—		—	P3DWA	●	—	●	●	—	○		
Reed auto switch	——	Grommet	Yes	3-wire (NPN equivalent)	—	5 V	—	A96V	A96	●	—	●	—	—	—	IC circuit	—
			No	2-wire	24 V	12 V	100 V	A93V*2	A93	●	●	●	●	—	—	—	Relay, PLC
						5 V, 12 V	100 V or less	A90V	A90	●	—	●	—	—	—	IC circuit	

*1 Water-resistant type auto switches can be mounted on the above models, but SMC cannot guarantee water resistance. Please contact SMC regarding water-resistant types with the above model numbers.
*2 The 1 m 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) M9NWZ

* Solid state auto switches marked with "○" are produced upon receipt of order.
* The D-P3DWA□ is mountable on bore size ø32 to ø50.

* Since there are applicable auto switches other than those listed above, refer to page 574-1 for details.

SMC