

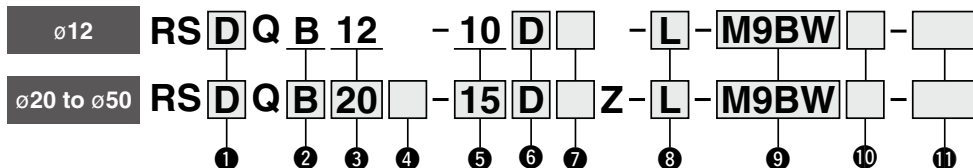
Stopper Cylinder Fixed Mounting Height

RSQ Series

ø12, ø16, ø20, ø32, ø40, ø50

RoHS

How to Order



1 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.

2 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.

3 Bore size

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

4 Port thread type

Nil	M thread	ø12, ø16
	Rc	
TN	NPT	ø20 to ø50
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.

5 Cylinder stroke [mm]

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

6 Action

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

7 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

8 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.

9 Auto switch

Nil	Without auto switch
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* For applicable auto switches, refer to the table below.

10 Number of auto switches

Nil	2
S	1

11 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		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)	None (N)				
Solid state auto switch	—	Grommet	Yes	3-wire (NPN)	24 V	—	M9NV	M9N	●	●	●	○	—	○	IC circuit	Relay, PLC	
	3-wire (PNP)			12 V			M9PV	M9P	●	●	●	○	—	○			
	2-wire			12 V			M9BV	M9B	●	●	●	○	—	○			
	3-wire (NPN)			5 V, 12 V			M9NVW	M9NW	●	●	●	○	—	○			
	3-wire (PNP)			12 V			M9PVW	M9PW	●	●	●	○	—	○			
	2-wire			12 V			M9BWW	M9BW	●	●	●	○	—	○			
	3-wire (NPN)			5 V, 12 V			M9NAV ⁻¹	M9NA ⁻¹	○	○	●	○	—	○			
	3-wire (PNP)			12 V			M9PAV ⁻¹	M9PA ⁻¹	○	○	●	○	—	○			
Magnetic field-resistant (2-color indicator)	2-wire	12 V	M9BAV ⁻¹	M9BA ⁻¹	○	○	○	○	○	—	○	IC circuit	—				
	2-wire (Non-polar)	—	—	P3DWA	●	—	●	●	—	○							
	—	Grommet	Yes	3-wire (NPN equivalent)	—	5 V	—	A96V	A96	●	—			●	—	IC circuit	—
				No	2-wire	24 V	12 V	100 V	A93V ⁻²	A93	●			—	●		
Reed auto switch	—	Grommet	No	2-wire	24 V	5 V, 12 V or 100 V or less	A90V	A90	●	—	●	—	—	IC circuit	Relay, PLC		

*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) M9NW
3 m..... L (Example) M9NW
5 m..... Z (Example) M9NW

* 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.