

Stopper Cylinder / Fixed Mounting Height

Series RSQ

ø12, ø16, ø20, ø32, ø40, ø50

How to Order

Standard RSQ **B** **20** - **15** **D** -

With auto switch RSDQ **B** **20** - **15** **D** - **M9BW** -

With auto switch
(Built-in magnet)

Mounting bracket

B	Through-hole (Standard)
A	Both ends tapped style

Note 1) Since ø12 uses a common tube for both A and B, only B is used for part no. denotation.

Bore size

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

Port thread type

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

Note 2) Bore sizes available w/ One-touch fittings are ø20 to ø50.
Note 3) TF for ø20 indicates M5.

Cylinder stroke (mm)

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

Built-in Magnet Cylinder Model

If a built-in magnet cylinder without an auto switch is required, there is no need to enter the symbol for the auto switch.
(Example) RSDQB32-15D

Auto switch

Nil Without auto switch

* For the applicable auto switch model, refer to the table below.

Made to Order Specifications
For details, refer to page 1374.

Number of auto switches

Nil	2 pcs.
S	1 pc.

Rod end configuration

Symbol	Configuration	Application
Nil	Round bar type	—
K	Chamfered type	—
R	Roller type	—
L	Lever type (Non-adjustable) (4)	Basic style
B	Lever type (4) (Energy absorbing Adjustable deformation)	—
C		With cancel cap
D		With lock mechanism
E		With lock & cancel

Note 4) The lever types are applicable only to bore sizes ø32, ø40 and ø50.

Action

D	Double acting
B	Double acting with spring loaded
T	Single acting (Spring extend)

Applicable Auto Switch/Refer to pages 1719 to 1827 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)					
							ø12	ø16, ø20, ø32 to ø50	ø12	ø16, ø20, ø32 to ø50										
Solid state switch	—	Grommet	Yes	3-wire (NPN)	24 V	5 V, 12 V	—	M9NV		M9N		●	●	●	○	—	○	IC circuit	Relay, PLC	
		3-wire (PNP)		12 V		M9PV		M9P		●	●	●	○	—	○					
	Connector	2-wire		12 V		M9BV		M9B		●	●	●	○	—	○					
		—		J79C		—		●	—	●	●	●	—	—						
	Diagnostic indication (2-color indication)	Grommet		3-wire (NPN)	24 V	5 V, 12 V	—	M9NWW		M9NWW		●	●	●	○	—	○	IC circuit		
				3-wire (PNP)		12 V		M9PWW		M9PW		●	●	●	○	—	○			
	2-wire			12 V		M9BWW		M9BW		●	●	●	○	—	○					
	3-wire (NPN)			5 V, 12 V		M9NAV		M9NA		○	○	●	○	—	○	IC circuit				
	3-wire (PNP)			12 V		M9PAV		M9PA		○	○	●	○	—	○					
	2-wire			12 V		M9BAV		M9BA		○	○	●	○	—	○					
	With diagnostic output (2-color indication)			4-wire		5 V, 12 V		—		F79F		●	—	●	○	—	○	IC circuit		
Reed switch	—	Grommet	Yes	3-wire (NPN equivalent)		—		5V	—	A96V		A96		●	—	●	—	—	—	IC circuit
					—		200 V	A72		A72H		●	—	●	—	—	—			
					12 V		100 V	A93V		A93		●	—	●	—	—	—			
					5 V, 12 V		100 V or less	A90V		A90		●	—	●	—	—	—			
	Connector	No		2-wire	24 V	12 V	—	A73C		—		●	—	●	●	●	—	—		
						5 V, 12 V	24 V or less	A80C		—		●	—	●	●	●	—	IC circuit		
						—	—	A79W		—		●	—	●	—	—	—			
						Diagnostic indication (2-color indication)	Grommet	Yes	—	—	A79W		—		●	—	●	—	—	—

* Lead wire length symbols: 0.5 m Nil (Example) M9NV
1 m M (Example) M9NWM
3 m L (Example) M9NWL
5 m Z (Example) M9NWZ
None N (Example) J79CN

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

* Since there are other applicable auto switches than listed, refer to page 1386 for details.

* For details about auto switches with pre-wired connector, refer to pages 1784 and 1785.

* When D-A9□(V)/M9□(V)/M9□W(V)/M9□A(V)L types with ø32 to ø50 are mounted on a side other than the port side, order auto switch mounting brackets separately. Refer to page 1386 for details.