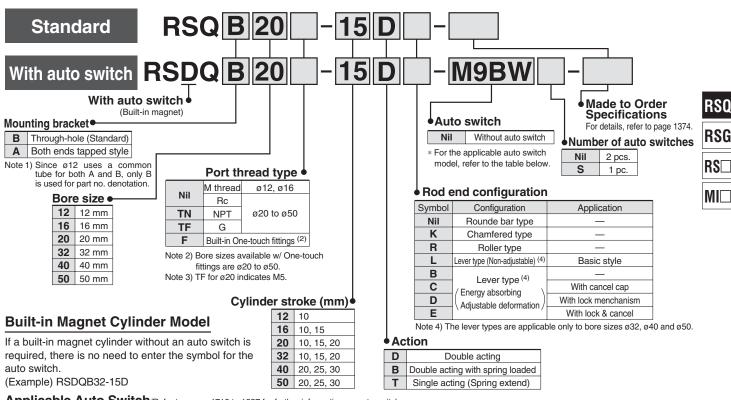
Stopper Cylinder / Fixed Mounting Height

Series RSQ ø12, ø16, ø20, ø32, ø40, ø50

How to Order



Applicable Auto Switch/Refer to pages 1719 to 1827 for further information on auto switches.

	Special function	F	tg,	Wiring (Output)	L	Load voltage Auto swite			ch model		Lead wire length (m)				(m)	D	A I:		
Type		Electrical entry	Indicator light		DC AC		AC		pendicular	## In-line ## Ø12 Ø16, Ø20, Ø32 to Ø50		0.5 (Nil)	1 (M)	3 (L)	5 (Z)	None (N)	Pre-wired connector		
			Ĕ					ø12	ø16, ø20, ø32 to ø50				(IVI)	(L)	(2)				
		Grommet		3-wire (NPN)	-	5 V,			M9NV		M9N	•	•	•	0		0	IC circuit	
				3-wire (PNP)		12 V			M9PV		M9P	•	•	•	0	<u> </u>	0		
ch Ch				2-wire		12 V			M9BV		M9B	•	•	•	0	<u> </u>	0	_	
switch		Connector		Z-WITE		12 4		_	J79C		_	•	_						
S	Diagnostic indication		Yes	3-wire (NPN)		5 V, 12 V 12 V 5 V, 12 V 12 V	Λ	19NWV	M9NW M9PW				0	—	0	IC airauit	Dalau		
d state	Diagnostic indication (2-color indication)			3-wire (PNP)	24 V		N	19PWV					0	—	0	IC circuit	Relay, PLC		
				2-wire				١	19BWV	M9BW		•	•	•	0	l —	0	_	FLC
Solid	Water resistant (2-color indication)	Grommet		3-wire (NPN)			M	9NAV**	M9NA** M9PA**		0	0	•	0	<u> </u>	0	IC circuit		
0)				3-wire (PNP)			M	9PAV**			0	0	•	0	_	0			
				2-wire				M9BAV**	9BAV**	N	19BA**	0	0	•	0	<u> </u>	0	_	
	With diagnostic output (2-color indication)	1		4-wire		5 V,12 V			_	_	F79F	•	_	•	0	<u> </u>	0	IC circuit	
	Grommei		s	3-wire (NPN equivalent)	_	5V	_		A96V		A96	•	_	•	_	_	_	IC circuit	_
당		Grommet	Yes			_	200 V	_	A72	_	A72H	•	_	•	_	<u> </u>	_		
wit			No	2-wire 24 V		12 V	100 V		A93V		A93	•	_	•	_	—	_	-	
Reed switch					5 V,12 V	100 V or less		A90V		A90	•	_	•	_	<u> </u>	_	IC circuit	Relay,	
		0	,s		24 V	12 V	_	_	A73C		_	•	_	•	•	•	l —	_	PLC
		Connector	9	1		5 V,12 V	24 V or less	_	A80C		_		_	•	•		_	IC circuit	1 1
	Diagnostic indication (2-color indication)	Grommet		1		_	_	_	A79W		_	•	_	•	_		_	_	

** 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.

* Lead wire length symbols: 0.5 m ······· Nil (Example) M9NW

1 m ······· M (Example) M9NWM 3 m ····· L (Example) M9NWL

(Example) M9NWZ

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

D-

-X□

Individual -X□

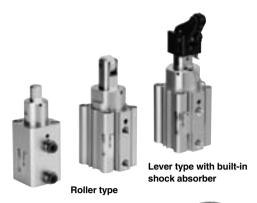
* Solid state auto switches marked with "O" are produced upon receipt of order.

None N (Example) J79CN

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

^{*} When D-A9 (V)/M9 (V)/M9 (V)/M9 A(V) 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.

Series RSQ







Made to Order Specifications (For details, refer to pages 1836 and 1872.)

Round bar

Symbol	Specifications
-XA□ Change of rod end shape	
-XC3	Special port location

Spring Force (Single acting)

		(N)
Bore size (mm)	Extended	Compressed
12	3.9	9.6
16	4.9	14.9
20	3.4	14.9
32	8.8	18.6
40, 50	13.7	27.5

^{*} Applicable only to round bar type, chamfered type and roller type end configurations.

Model

Bore size (mm)	12	16	20	32	40	50		
Mounting	Through-hole	Note1)	•	•	•	•	•	
Mounting	Both ends tapped style		•	•	•	•	•	
Built-in magnet	•	•	•	•	•	•		
Piping	Screw-in type	M5 x 0.8		1/8 Note2)				
Piping	Built-in One-touch fittings	_	_		ø6/4	ø8/		
Action		Double acting, Single acting (Spring extend), Double acting with spring loaded						
	Round bar		•			•		
Rod end configuration	Chamfered		•			•		
Hod end configuration	Roller type		•			•		
	Lever type		_			•		

Note 1) Ø12 tubes can have both through-hole and tap mountings in the same tube. Note 2) TF (G thread) for Ø20 indicates M5 x 0.8.

Specifications

Action	Double acting, Double acting with spring loaded, Single acting (Spring extend)				
Fluid	Air				
Proof pressure	1.5 MPa				
Maximum operating pressure	1.0 MPa				
Ambient and fluid temperature	Without auto switch: -10 to 70°C With auto switch: -10 to 60°C				
Lubrication	Not required (Non-lube)				
Cushion	Rubber bumper				
Stroke length tolerance	+1.4 0				
Mounting	Through-hole/Both ends tapped				
Auto switch	Mountable				

^{*} No freezing (for cylinders with or without an auto switch)

Bore Size/Standard Stroke

			(mm)				
Bore size (mm)	Rod end configuration						
	Round bar, Chamfered type	Roller type	Lever type with shock absorber				
12	10	10	_				
16	10, 15	10, 15	_				
20	10, 15, 20	10, 15, 20	_				
32	10, 10, 20	10, 10, 20	10, 15, 20				
40	20, 25, 30	20, 25, 30	20, 25, 30				
50	20, 23, 00	20, 20, 00	20, 23, 30				

Mass

							(kg)	
Action	Bore size	Rod end configuration	Cylinder stroke (mm)					
Action	(mm)	Hod end configuration	10	15	20	25	30	
	12	Round bar, Chamfered, Roller	0.07	_	_	_	_	
	16	Round bar, Chamfered, Roller	0.14	0.15	-	_	_	
Double acting	20	Round bar, Chamfered, Roller	0.23	0.24	0.25	_	_	
Single acting,	32	Round bar, Chamfered, Roller	0.42	0.44	0.46			
Spring extend		Lever with built-in shock absorber	0.51	0.53	0.55		_	
Double acting with	40	Round bar, Chamfered, Roller	_		0.74	0.80	0.86	
spring loaded	40	Lever with built-in shock absorber	_		0.97	1.01	1.05	
	50 ⊢	Round bar, Chamfered, Roller	_		1.03	1.07	1.11	
		Lever with built-in shock absorber	_		1.26	1.30	1.34	