

Compact Cylinder: Non-rotating Rod Type Double Acting, Single Rod

Series CQSK

ø12, ø16, ø20, ø25

How to Order

CQSK B 20 - 30 D - **Mounting style**

With auto switch **CDQSK B 20 - 30 D** - **M9BW** - **Number of auto switches**

With auto switch (Built-in magnet)

Mounting style

B	Through-hole/Both ends tapped common (Standard)
L	Foot style
F	Rod side flange style
G	Head side flange style
D	Double clevis style

Bore size

12	12 mm
16	16 mm
20	20 mm
25	25 mm

Cylinder stroke (mm)

Bore size (mm)	Standard stroke (mm)
12, 16	5, 10, 15, 20, 25, 30
20, 25	5, 10, 15, 20, 25, 30, 35, 40, 45, 50

For "Manufacture of Intermediate Strokes", refer to page 576.

Auto switch

Nil	Without auto switch
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* Refer to the table below for the applicable auto switch model.

Body option

Nil	Standard (Rod end female thread)
M	Rod end male thread
F	Boss on head side

Action

D	Double acting
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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) CDQSKL25-30D

Made to Order
Refer to page 576 for details.

Applicable Auto Switch/Refer to pages 1263 to 1371 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 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				M9BV	M9B	●	●	●	○	○			
	Diagnostic indication (2-color indication)			3-wire (NPN)				M9NWV	M9NW	●	●	●	○	○			IC circuit
				3-wire (PNP)				M9PWV	M9PW	●	●	●	○	○			
				2-wire				M9BWV	M9BW	●	●	●	○	○			—
	Water resistant (2-color indication)			3-wire (NPN)				M9NAV	M9NA	○	○	●	○	○			IC circuit
				3-wire (PNP)				M9PAV	M9PA	○	○	●	○	○			
	2-wire	M9BAV	M9BA	○	○	●	○	○	—								
Reed switch	—	Grommet	Yes	3-wire (NPN equivalent)	—	5 V	—	A96V	A96	●	—	●	—	—	IC circuit	—	
			No	2-wire	24 V	12 V	100 V	A93V	A93	●	—	●	—	—	—	Relay, PLC	
							100 V or less	A90V	A90	●	—	●	—	—	IC circuit		

* 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.

* Since there are other applicable auto switches than listed, refer to page 597 for details.

* For details about auto switches with pre-wired connector, refer to pages 1328 and 1329.

* Auto switches are shipped together (not assembled).

Note) There is the case A9□V/M9□V/M9□WV/M9□AVL type auto switches cannot be mounted on the port surface, depending on the cylinder's stroke and the fitting size for piping. Consult with SMC for details.