

Compact Cylinder: Non-rotating Rod Type

Double Acting, Single Rod

CQSK Series

ø12, ø16, ø20, ø25

How to Order

CQSK B 20 - 30 D - **CDQSK B 20 - 30 D** - **M9BW**

With auto switch (Built-in magnet)

Mounting type

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

Bore size

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

Cylinder stroke (mm)

Standard Stroke

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

Number of auto switches

Nil	2 pcs.
S	1 pc.
n	"n" pcs.

Auto switch

Nil	Without auto switch
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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

Applicable Auto Switches/Refer to pages 1575 to 1701 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 auto switch	Diagnostic indication (2-color indicator)	Grommet	Yes	3-wire (NPN)	24 V	5 V, 12 V	M9NV	M9N	●	●	●	○	○	IC circuit
				3-wire (PNP)			M9PV	M9P	●	●	●	○	○	
				2-wire			M9BV	M9B	●	●	●	○	○	
				3-wire (NPN)			M9NWV	M9NW	●	●	●	○	○	
	Water resistant (2-color indicator)	Grommet	Yes	3-wire (PNP)	24 V	5 V, 12 V	M9PWV	M9PW	●	●	●	○	○	IC circuit
				2-wire			M9BWV	M9BW	●	●	●	○	○	
				3-wire (NPN)			M9NAV ^{*1}	M9NA ^{*1}	○	○	●	○	○	
				3-wire (PNP)			M9PAV ^{*1}	M9PA ^{*1}	○	○	●	○	○	
Reed auto switch	—	Grommet	Yes	3-wire (NPN equivalent)	24 V	5 V	A96V	A96	●	●	●	—	—	IC circuit
				2-wire			A93V ^{*2}	A93	●	●	●	—	—	
Reed auto switch	—	Grommet	No	2-wire	24 V	12 V	A90V	A90	●	●	●	—	—	IC circuit
				2-wire			A90V	A90	●	●	●	—	—	

^{*1} 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.

^{*2} 1 m type lead wire is only applicable to 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.

^{*} Since there are other applicable auto switches than listed, refer to page 749 for details.

^{*} For details about auto switches with pre-wired connector, refer to pages 1648 and 1649.

^{*} Auto switches are shipped together (not assembled).

Note) There is the case D-A93V/M93V/M93WV/M93AV 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.