Compact Cylinder: Plate Type
Double Acting, Single Rod
CQU Series
Size: 20, 25, 32, 40

How to Order

CQU B 20 – 30 – M9BW

Mounting

B	Through-hole/Both ends tapped common (Standard)
L	Vertical foot
M	Lateral foot
D	Double clevis

* Support brackets are shipped together, (but not assembled).
* Cylinder mounting bolt is not included.
  Order it separately from "Mounting Bolt for CQU" on page 1025.

Number of auto switches

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

Auto switch

Nil	Without auto switch (Built-in magnet)

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

Size

20	Piston area equivalent to 20 mm
25	Piston area equivalent to 25 mm
32	Piston area equivalent to 32 mm
40	Piston area equivalent to 40 mm

Rod end thread

Nil	Rod end female thread
M	Rod end male thread

Cylinder stroke (mm)

Size	Stroke
20, 25	5, 10, 15, 20, 25, 30, 35, 40, 45, 50
32, 40	5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 75, 100

Applicable Auto Switches/Refer to pages 1575 through to 1701 for further information on auto switches.

Type	Special function	Electrical entry	Indicator light	Wiring (Output)	Load voltage DC	Load voltage AC	Auto switch model Perpendicular	Auto switch model In-line	Lead wire length (m) 0.5 (Nil)	1 (M)	3 (L)	5 (Z)	Pre-wired connector	Applicable load
Solid state auto switch	—	Grommet	Yes	3-wire (NPN)	5 V, 12 V	—	M9NV	M9N	●	●	●	○	○	IC circuit
				3-wire (PNP)	5 V, 12 V		M9PV	M9P	●	●	●	○	○	IC circuit
				2-wire	12 V		M9BV	M9B	●	●	●	○	○	—
	Diagnostic indication (2-color indicator)			3-wire (NPN)	5 V, 12 V		M9NWV	M9NW	●	●	●	○	○	IC circuit
				3-wire (PNP)	24 V		M9PWV	M9PW	●	●	●	○	○	IC circuit
				2-wire	12 V		M9BWV	M9BW	●	●	●	○	○	—
	Water resistant (2-color indicator)			3-wire (NPN)	5 V, 12 V		M9NAV*1	M9NA*1	○	○	●	○	○	IC circuit
				3-wire (PNP)			M9PAV*1	M9PA*1	○	○	●	○	○	IC circuit
				2-wire	12 V		M9BAV*1	M9BA*1	○	○	●	○	○	—
Reed auto switch	—	Grommet	Yes	3-wire (NPN equivalent)	—	5 V	A96V	A96	●	—	●	—	—	IC circuit
			No	2-wire	24 V	12 V	100 V	A93V*2	A93	●	●	●	●	—	—
						100 V or less	A90V	A90	●	—	●	—	—	IC circuit

Relay, PLC (applicable load column for M9 rows and A93/A90 rows)

*1 The water resistant improved D-M9□A and M9□AV type can be mounted, but cylinders are not designed to be water resistant improved construction.
*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 switches marked with "○" are produced upon receipt of order.

* For details about the auto switch with pre-wired connector, refer to pages 1648 and 1649.
* Auto switches are shipped together, (but not assembled).
Note) The D-M9□V, M9□WV, M9□AV, and A9□V type cannot be mounted on the port surface depending on the cylinder's stroke and the fitting size for piping. Please confirm SMC separately.