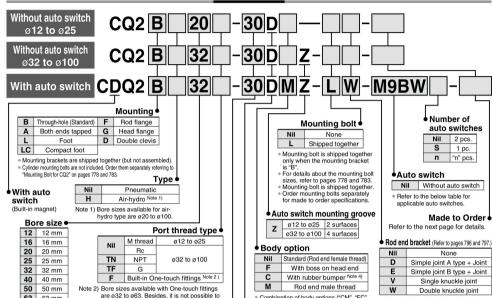
Compact Cylinder: Standard Double Acting, Single Rod

CQ2 Series

Ø12, Ø16, Ø20, Ø25, Ø32, Ø40, Ø50, Ø63, Ø80, Ø100

How to Order



Built-in Magnet Cylinder Model

63 63 mm

80 mm

100 100 mm

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) CDQ2L32-25DZ

Cylinder stroke (mm)

Refer to page 774 and 775 for standard strokes and intermediate strokes.

Combination of body options ("CM", "FC",

"FM", "FCM") is available. Note 4) Air-hydro type with rubber bumper

is not available

Action D Double acting

The single knuckle joint and double knuckle joint cannot be mounted for the rod end female thread A knuckle joint pin is not provided with

None

2 pcs.

1 pc.

"n" pcs.

- the single knuckle joint. The simple joint A and B types cannot
- be mounted for the rod end male Rod end bracket is shipped together.
- . Bore sizes available with the simple
- joint (D, E) are ø32 to ø100.

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

use for air-hydro type.

compatible only for ø32-5 mm stroke

Note 3) "TF" is not available for air-hydro type.

* For cylinders without auto switch, M threads are

| Туре | Special function | Electrical entry | Indicator | AAC-day- | Load voltage | | | Auto swit | Lead wire length (m) | | | | | Pre-wired | | | | |
|-------------------------|---|---------------------|-----------|----------------------------|--------------|----------|---------------|---------------|----------------------|--------------|----------------|----------|----------|-----------|-----------|------------|------------|------------|
| | | | | Wiring (Output) | DC | | AC | Perpendicular | In-line | 0.5 (Nil) | 1 (M) | 3 (L) | 5 (Z) | None | connector | Applical | ole load | |
| Solid state auto switch | | Grommet | Yes | 3-wire (NPN) | 24 V | 5 V, | | M9NV | M9N | • | • | • | 0 | - | 0 | IC circuit | | |
| | | | | 3-wire (PNP) | | 12 V | | M9PV | M9P | • | • | • | 0 | - | 0 | ic circuit | | |
| | | | | 2-wire | | 12 V | | M9BV | M9B | • | • | • | 0 | - | 0 | | | |
| | Diagnostic indication (2-color indicator) | | | 3-wire (NPN) | | 5 V, | | M9NWV | M9NW | • | • | • | 0 | - | 0 | IC circuit | | |
| | | | | 3-wire (PNP) | | 24 V | 12 V | | M9PWV | M9PW | • | • | • | 0 | - | 0 | IC circuit | Relay, |
| | | | | 2-wire | | | 24 V | 12 V | - | M9BWV | M9BW M9NA*1 | • | • • | • | 0 | - | 0 | |
| | Water resistant (2-color indicator) | | | 3-wire (NPN) | | | | 5 V, | | M9NAV*1 | | 0 | 0 | • | 0 | _ | 0 | IC circuit |
| | | | | 3-wire (PNP) | | | | 12 V | | M9PAV*1 | M9PA*1 | 0 | 0 | • | 0 | - | 0 | ic circuit |
| | | | | 2-wire | | 12 V | | M9BAV*1 | M9BA*1 | 0 | 0 | • | 0 | — | 0 | | | |
| | Magnetic field resistant (2-color indicator) | | | 2-wire (Non-polar) | | _ | | _ | P3DWA | • | _ | • | • | _ | 0 | | | |
| Reed auto switch | | Grommet | Yes No | 3-wire (NPN equivalent) | _ | 5 V | _ | A96V | A96 | • | _ | • | _ | - | _ | IC circuit | _ | |
| | | | | 2-wire | 24 V | 12 V | 100 V | A93V*2 | A93 | • | • | • | • | - | _ | _ | Relay, | |
| | | | | Z-WIFE | 24 V | 5 V,12 V | 100 V or less | A90V | A90 | • | _ | • | - | - | _ | IC circuit | PLC | |

- *1 Water resistant type auto switches can be mounted on the above models, but in such case SMC cannot guarantee water resistance. If water resistance is needed, we recommend water resistant cylinders be used. (Page 949)
- *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 "O" are produced upon receipt of order.
- * The D-P3DWA□ type is available from ø25 to ø100 only.
- * There are other applicable auto switches other than the listed above. For details, refer to page 970.
- * For details about auto switches with pre-wired connector, refer to pages 1648 and 1649



773 A

CUJ

CU cas

JCQ

C₀₂ RQ

COM CQU

MU

D-

-X□

Technical