



## C(D)Q2, Compact Cylinder, Double Acting Single Rod, Long Stroke w/Auto Switch Mounting Groove

### CDQ2A32-180DCMZ

Datasheet

### General series information

- Compact Cylinder: Long Stroke Double Acting, Single Rod
- Bore sizes (mm): 32, 40, 50, 63, 80, 100
- Standard stroke range (mm): 125 to 300
- Port threads: Rc, NPT or G
- Can mount small auto switches on 4 surfaces.



Double-acting, single-rod cylinder

### Standard specifications

|                                                    |                                        |
|----------------------------------------------------|----------------------------------------|
| Magnet                                             | D (Built-in)                           |
| Mounting                                           | A (Both Ends Tapped)                   |
| Type                                               | Standard                               |
| Bore Size                                          | Ø32 mm                                 |
| Port Thread Type                                   | Rc                                     |
| Stroke                                             | 180                                    |
| Cushion                                            | C (Rubber Bumper)                      |
| Body Option                                        | M (Rod End Male Thread)                |
| Auto Switch                                        | No Switch                              |
| Lead Wire or Prewired Connector                    | 0.5 m or None in the Case of No Switch |
| Number                                             | 2 pcs.                                 |
| Rod End Options                                    | None                                   |
| Made of Stainless Steel                            | None                                   |
| Fluororubber Seal                                  | None                                   |
| -                                                  | Compressed air                         |
| Maximum temperature of pressure medium with magnet | 60 °C                                  |
| Minimum temperature of pressure medium with magnet | -10 °C                                 |
| Maximum operating pressure                         | 1.0 MPa                                |

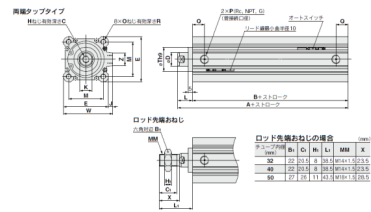
|                                         |             |
|-----------------------------------------|-------------|
| Minimum operating pressure              | 0.05 MPa    |
| Proof pressure                          | 1.5 MPa     |
| Maximum ambient temperature with magnet | 60 °C       |
| Minimum ambient temperature with magnet | -10 °C      |
| Pneumatic input connection              | Rc 1/8      |
| Maximum piston speed                    | 500 mm/s    |
| Type of cushioning                      | Elastically |
| Piston rod end                          | Male-Thread |
| Male thread of rod end                  | M14 x 1.5   |
| Female thread of rod end                | M8 x 1.25   |
| Minimum piston speed                    | 50 mm/s     |

## Dimensions

ø32~ø50

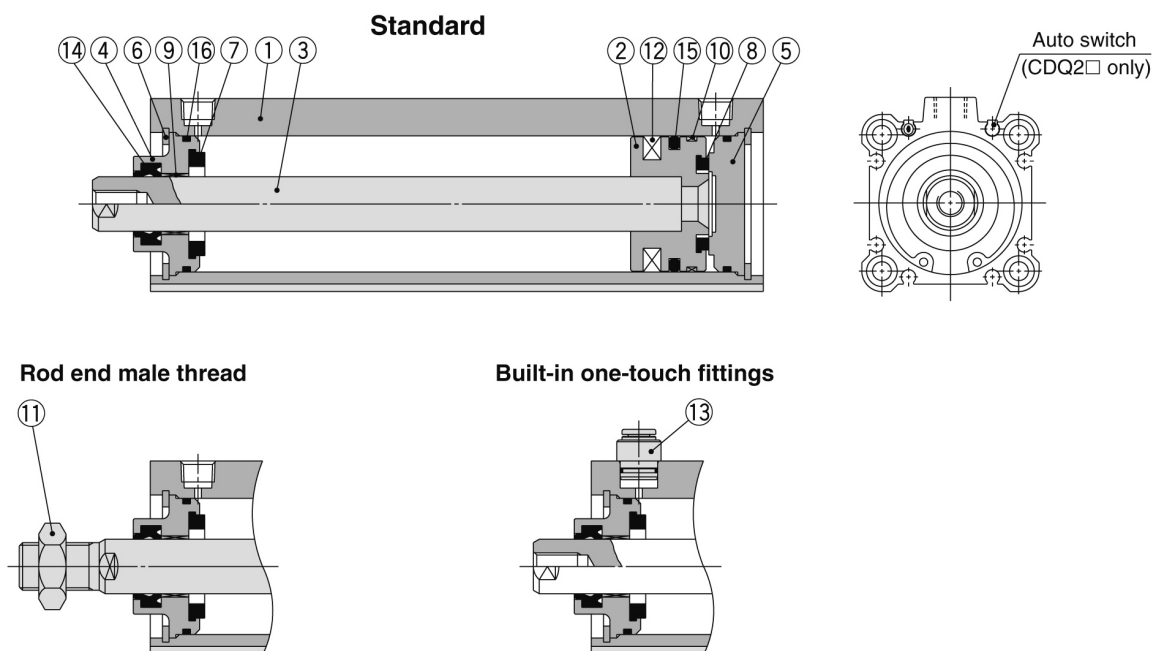
C□Q2Aシリーズ

オートスイッチなし、付とも外形寸法は同じです。



ワンタッチ気継手内蔵形の寸法はCQ2シリーズ/推動片ロッドと同等です。

## Constructions



### Component Parts

| No. | Description       | Material          | Note               |
|-----|-------------------|-------------------|--------------------|
| 1   | Cylinder tube     | Aluminum alloy    | Hard anodised      |
| 2   | Piston            | Aluminum alloy    | Chromated          |
| 3   | Piston rod        | Carbon steel      | Hard chrome plated |
| 4   | Collar            | Aluminum alloy    | Anodised           |
| 5   | Bottom plate      | Aluminum alloy    | Anodised           |
| 6   | Retaining ring    | Carbon tool steel | Phosphate coated   |
| 7   | Bumper A          | Urethane          |                    |
| 8   | Bumper B          | Urethane          |                    |
| 9   | Bushing           | Bearing alloy     |                    |
| 10  | Wear ring         | Resin             |                    |
| 11  | Rod end nut       | Carbon steel      | Nickel plated      |
| 12  | Magnet            | —                 | For CDQ2A□ only    |
| 13  | One-touch fitting | —                 | ø32 to ø63         |
| 14* | Rod seal          | NBR               |                    |
| 15* | Piston seal       | NBR               |                    |
| 16* | Tube gasket       | NBR               |                    |

### Replacement Parts/Seal Kit

| Bore size (mm) | Kit no.      | Contents                                      |
|----------------|--------------|-----------------------------------------------|
| 32             | CQ2A32-L-PS  | Kits include items 14, 15, 16 from the table. |
| 40             | CQ2A40-L-PS  |                                               |
| 50             | CQ2A50-L-PS  |                                               |
| 63             | CQ2A63-L-PS  |                                               |
| 80             | CQ2A80-L-PS  |                                               |
| 100            | CQ2A100-L-PS |                                               |

\* Seal kit includes 14, 15, 16. Order the seal kit, based on each bore size.

\* Since the seal kit does not include a grease pack, order it separately.

**Grease pack part no.: GR-S-010 (10 g)**

## Additional information

Catalogue

[CQ2-Z-B\\_EU.pdf](#)