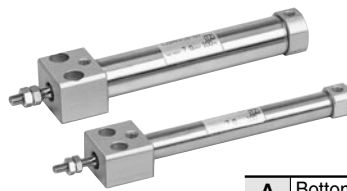


Non-rotating Rod/Direct Mount: Double Acting Single Rod

Series CJ2RK

ø10, ø16

How to Order



Bore size

| | |
|----|------|
| 10 | 10mm |
| 16 | 16mm |

Mounting

| | |
|---|-----------------|
| A | Bottom mounting |
|---|-----------------|

Standard stroke (mm)

| | |
|-----|---|
| ø10 | 15, 30, 45, 60, 75, 100, 125, 150 |
| ø16 | 15, 30, 45, 60, 75, 100, 125, 150, 175, 200 |

Standard

CJ2RKA 16 60

With auto switch

CDJ2RKA 16 60 C73

With auto switch (built-in magnet)

Port location on head cover

| Symbol | Port location |
|--------|---------------|
| — | Perpendicular |
| R | In-line |

* Refer to p.1-78 for the configuration.

Auto switch

* Refer to the table below for selecting applicable auto switches.

* If requiring a built-in-magnet cylinder without an auto switch, refer to the model number example below.

Number of switches

| | |
|---|---|
| — | 2 |
| S | 1 |
| n | n |

Applicable Auto Switches

| Style | Special function | Electrical entry | Indicator | Wiring (Output) | Load voltage | | Auto switch model | | | Lead wire* (m) | | | | Applicable load | |
|--------------------|----------------------------------|------------------|-----------|-----------------|--------------|-------|-------------------|-------|---------|----------------|-------|-------|----------|-----------------|--------------|
| | | | | | DC | AC | Band | Perp. | In-line | 0.5 (-) | 3 (L) | 5 (Z) | None (N) | | |
| Reed switch | — | Grommet | Yes | 3 wire (NPN) | — | 5V | C76 | — | A76H | ● | ● | — | — | IC | Relay PLC |
| | | | | | — | — | — | A72 | A72H | ● | ● | — | — | — | |
| | | | | | — | 200V | — | A73 | A73H | ● | ● | ● | — | — | |
| | | Connector | No | 2 wire | 5V, 12V | ≤100V | C80 | A80 | A80H | ● | ● | — | — | IC | |
| | | | | | 12V | — | C73C | A73C | — | ● | ● | ● | ● | — | |
| | | | | | 5V, 12V | ≤24V | C80C | A80C | — | ● | ● | ● | ● | — | |
| Solid state switch | Diagnostic indication (2 colour) | Grommet | Yes | 3 wire (NPN) | 5V, 12V | — | H7A1 | F7NV | F79 | ● | ● | ○ | — | IC | Relay PLC |
| | | | | 3 wire (PNP) | — | — | H7A2 | F7PV | F7P | ● | ● | ○ | — | — | |
| | | | | 2 wire | 12V | — | H7B | F7BV | J79 | ● | ● | ○ | — | — | |
| | | Connector | No | 3 wire (NPN) | 5V, 12V | — | H7C | J79C | — | ● | ● | ● | ● | — | |
| | | | | 3 wire (PNP) | — | — | H7NW | F7NWV | F79W | ● | ● | ○ | — | — | |
| | | | | 2 wire | 12V | — | H7PW | — | F7PW | ● | ● | ○ | — | — | |
| | Water resistant (2 colour) | Grommet | Yes | 3 wire (NPN) | 5V, 12V | — | H7BW | H7BWV | J79W | ● | ● | ○ | — | — | |
| | | | | 3 wire (PNP) | — | — | H7BA | — | F7BA | — | ● | ○ | — | — | |
| | | | | 2 wire | 12V | — | — | — | F7NT | — | ● | ○ | — | — | |
| | | | | 3 wire (NPN) | 5V, 12V | — | H7NF | — | F79F | ● | ● | ○ | — | — | |
| | | | | 4 wire (NPN) | — | — | H7LF | — | F7LF | ● | ● | ○ | — | — | |
| | | | | — | — | — | — | — | — | — | — | — | — | — | |

* Lead wire length 0.5m..... e.g.) C73C 5m.....Z e.g.) C73CZ
3m.....L C73CL None.....N C73CN

* Solid state switches marked with "○" are manufactured upon receipt of order.

Part No. of Cylinder with Built-in Magnet

Symbol "A" (rail mounting) or "B" (band mounting) should be suffixed to the part No. of the cylinder with auto switch.

| | | |
|-----|---------------|----------------|
| Ex. | Rail mounting | CDJ2RKA16-60-A |
| | Band mounting | CDJ2RKA10-45-B |

Series CJ2RK

Non-rotating rod with hexagon rod.

High non-rotating accuracy

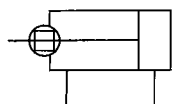
ø10: ±1.5°, ø16: ±1°

Auto switch can be mounted to detect the cylinder stroke position.



JIS symbol

Double acting/Single rod



Specifications

| | | |
|-------------------------------|--|--------|
| Action | Double acting/Single rod | |
| Fluid | Air | |
| Proof pressure | 1.05MPa | |
| Max. operating pressure | 0.7MPa | |
| Min. operating pressure | 0.06MPa | |
| Ambient and fluid temperature | Without auto switch: -10°C to 70°C, With auto switch: -10°C to 60°C* | |
| Cushion | Rubber bumper | |
| Lubrication | Non-lube | |
| Thread tolerance | JIS class 2 | |
| Stroke tolerance | +1.0 0 | |
| Non-rotating accuracy | ø10: ±1.5°, ø16: ±1° | |
| Mounting | Bottom mounting | |
| Piston speed | 50 to 750mm/s | |
| Allowable kinetic energy | ø10 | 0.035J |
| | ø16 | 0.090J |

* No freezing

Standard Stroke

(mm)

| Bore size | Standard stroke |
|-----------|---|
| 10 | 15, 30, 45, 60, 75, 100, 125, 150 |
| 16 | 15, 30, 45, 60, 75, 100, 125, 150, 175, 200 |

Minimum Strokes for Auto Switch Mounting

•Refer to p.1-77

Accessory/Refer to p.1-32 for details.

| | |
|----------|---|
| Standard | Rod end nut |
| Option | Single knuckle joint, Double knuckle joint* |

* Double knuckle joint is packaged with pins and rings.