

# CMK2-M Series

## How to order

No switch (built-in magnet for switch)

CMK2-M - 00 - 20 - 100 - V I

With switch (built-in magnet for switch)

CMK2-M - 00 - 20 - 100 - T0H - R - V I

A Mounting  
\*1

B Bore size

C Port thread

D Stroke

E Switch model No.

F Switch quantity  
\*8

G Option  
\*3, \*4

H Accessory  
\*5

## ⚠ Precautions for model No. selection

\*1 : One side foot (LS) has the max. stroke of 50 mm.

\*2 : For the min. stroke with switch and the max. and min. strokes with bellows, refer to page 166.

\*3 : The compatible tube O.D. of F (with push-in fitting (straight)) and FE (with push-in fitting (elbow)) is ø6.

\*4 : The instantaneous max. temperature is the temperature when sparks and cutting chips, etc., instantaneously contact the bellows.

\*5 : "I" and "Y" cannot be selected together.

\*6 : Refer to Ending Page 85 for custom specifications of rod end form.

\*7 : Refer to page 84 for combination of variations/options.

\*8 : Up to three switches can be installed. If four or more switches are required, switch mounting brackets for the extra switches must be prepared separately.

\*9 : For 20 or 25 bore size, the rod is stainless steel as standard and the rod nut is zinc chromate. If a stainless steel rod nut is necessary, select the "M" option code.

[Example of model No.]

CMK2-M-00-20-100-T0H-R-VI

Model: Medium bore size cylinder, double acting/rotation-stop

- A Mounting : Basic
- B Bore size : ø20 mm
- C Port thread : Rc thread
- D Stroke : 100 mm
- E Switch model No. : Reed T0H switch, lead wire 1 m
- F Switch quantity : 1 on rod side
- G Option : Boss cutoff
- H Accessory : Rod eye

| Code              | Description  |
|-------------------|--|
| <b>A Mounting</b> |  |
| 00                | Basic  |
| LB                | Axial foot (Both sides)                            |
| LS                | Axial foot (One side)                              |
| FA                | Rod side flange                                    |
| FB                | Head side flange                                   |
| CA                | Eye bracket  |
| CC                | Eye bracket integrated                             |
| CC1               | Eye bracket, bush pressfit                         |
| CB                | Clevis bracket (pin and split washer pin included) |
| TA                | Rod side trunnion                                  |
| TB                | Head side trunnion                                 |

|                         |     |    |
|-------------------------|-----|----|
| <b>B Bore size (mm)</b> |     |    |
| 20                      | ø20 | *9 |
| 25                      | ø25 | *9 |
| 32                      | ø32 |    |
| 40                      | ø40 |    |

|                      |                                    |
|----------------------|------------------------------------|
| <b>C Port thread</b> |                                    |
| Blank                | Rc thread                          |
| NN                   | NPT thread (made-to-order product) |
| GN                   | G thread (made-to-order product)   |

| <b>D Stroke (mm)</b> |           |                    |
|----------------------|-----------|--------------------|
| Bore size            | Stroke *2 | Custom stroke      |
| ø20                  | 5 to 750  | In 1 mm increments |
| ø25                  | 5 to 750  |                    |
| ø32                  | 5 to 750  |                    |
| ø40                  | 5 to 750  |                    |

| <b>E Switch model No.</b> |                  |           |         |                       |           |  |
|---------------------------|------------------|-----------|---------|-----------------------|-----------|--|
| Axial lead wire           | Radial lead wire | Contact   | Voltage | Indicator             | Lead wire |  |
|                           |                  |           | AC DC   |                       |           |  |
| T0H*                      | T0V*             | Reed      | ● ●     | 1-color LED           | 2-wire    |  |
| T5H*                      | T5V*             |           | ● ●     | No indicator lamp     |           |  |
| T8H*                      | T8V*             |           | ● ●     | 1-color LED           |           |  |
| T1H*                      | T1V*             | Proximity | ● ●     | 1-color LED           | 2-wire    |  |
| T2H*                      | T2V*             |           | ● ●     |                       |           |  |
| T3H*                      | T3V*             |           | ● ●     |                       | 3-wire    |  |
| T3PH*                     | T3PV*            |           | ● ●     | 2-color LED           | 3-wire    |  |
| T2WH*                     | T2WV*            |           | ● ●     |                       |           |  |
| T2YH*                     | T2YV*            |           | ● ●     |                       | 2-wire    |  |
| T3WH*                     | T3WV*            |           | ● ●     |                       |           |  |
| T3YH*                     | T3YV*            |           | ● ●     |                       | 3-wire    |  |
| T2JH*                     | T2JV*            |           | ● ●     | 1-color LED off-delay | 2-wire    |  |

|                           |                |
|---------------------------|----------------|
| <b>* Lead wire length</b> |                |
| Blank                     | 1 m (standard) |
| 3                         | 3 m (option)   |
| 5                         | 5 m (option)   |

|                          |                |
|--------------------------|----------------|
| <b>F Switch quantity</b> |                |
| R                        | 1 on rod side  |
| H                        | 1 on head side |
| D                        | 2              |
| T                        | 3              |

|                 |  |                    |                          |
|-----------------|--|--------------------|--------------------------|
| <b>G Option</b> |  |                    |                          |
|                 |  | Max. ambient temp. | Instantaneous max. temp. |
| J               | Bellows                                  | 100°C              | 200°C                    |
| L               | Bellows                                  | 250°C              | 400°C                    |
| F               | With push-in fitting (straight)          |                    |                          |
| FE              | With push-in fitting (elbow)             |                    |                          |
| V               | Boss cutoff                              |                    |                          |
| M               | Piston rod material (stainless steel) *9 |                    |                          |

|                    |  |
|--------------------|--|
| <b>H Accessory</b> |  |
| I                  | Rod eye  |
| Y                  | Rod clevis (pin and split washer pin included) |
| B2                 | Clevis bracket (pin and snap ring included)    |

### How to order switch

- Switch body + mounting bracket set

**CMK2** - **T0H** - **20**

Bore size (Item **B** on page 168)

Switch model No. (Item **E** on page 168)

- Switch body only

**SW** - **T0H**

Switch model No. (Item **E** on page 168)

- Mounting bracket set

**CMK2** - **T** - **20**

Bore size (Item **B** on page 168)

Mounting bracket

### How to order mounting bracket

| Bore size (mm)      |    | ø20      | ø25      | ø32      | ø40      |
|---------------------|----|----------|----------|----------|----------|
| Mounting bracket    |    |          |          |          |          |
| Basic (00)          | *3 | M1-00-20 | M1-00-30 | M1-00-30 | M1-00-30 |
| Axial foot (LB/LS)  |    | M1-LB-20 | M1-LB-30 | M1-LB-30 | M1-LB-30 |
| Flange (FA/FB)      |    | M1-FA-20 | M1-FA-30 | M1-FA-30 | M1-FA-30 |
| Trunnion (TA)       |    | M1-TA-20 | M1-TA-30 | M1-TA-30 | M1-TA-40 |
| Eye bracket (CA)    |    | M1-CA-20 | M1-CA-30 | M1-CA-30 | M1-CA-30 |
| Clevis bracket (CB) |    | M1-CB-20 | M1-CB-30 | M1-CB-30 | M1-CB-30 |

\*1 : Regarding mounting brackets, mounting nuts and toothed washers are supplied with the axial foot and flange. The trunnion includes mounting nuts.

\*2 : For axial foot (two-sided), 2 sets of "M1-LB-\*" in the table above are required.

\*3 : Mounting nut, toothed washer only. Although 1 set is included with the basic of the product (00), use this when needed.

SCP\*3

CMK2

CMA2

SCM

SCG

SCA2

SCS2

CKV2

CAV2/  
COVP/N2

SSD2

SSG

SSD

CAT

MDC2

MVC

SMG

MSD/  
MSDG

FC\*

STK

SRL3

SRG3

SRM3

SRT3

MRL2

MRG2

SM-25

ShkAbs

FJ

FK

Spd  
Contr

Ending