

# SCM-W4 Series

## How to order

No switch (built-in magnet for switch)

SCM-W4 - LB - 40 - D - 100 - J - I

With switch (built-in magnet for switch)

SCM-W4 - LB - 40 - D - 100 - T0H - D - J - I

A Mounting  
\*1

B Bore size

C Port thread

D Cushion

E Stroke

F Switch model No.  
\*4  
\*5

G Switch quantity

H Switch mounting

I Option

\*2

\*6

\*8

J Accessory  
\*9

## ! Precautions for model No. selection

- \*1 : Mounting bracket will be shipped with the product.
- \*2 : If the product is supplied with bellows and the mounting bracket is LB, FA, or TA, it will be shipped assembled.
- \*3 : Refer to page 328 for the number of installed switches and the min. stroke.
- \*4 : Switches other than F Switch model No. are also available. (Made to order)  
Refer to Ending Page 1 for details.
- \*5 : T8H/V switches cannot be mounted when the bore size is from ø20 to ø40 and the switch mounting style is the rail.
- \*6 : The instantaneous max. temperature is the temperature when sparks, cutting chips, etc., instantaneously contact the bellows.
- \*7 : Refer to Ending Page 85 for custom specifications of rod end form.
- \*8 : "Q" (switch rail enclosed at shipment) is not available for the "Z" switch mounting.
- \*9 : "I" and "Y" cannot be selected together.
- \*10 : Switches are shipped with the product. Contact CKD if assembling before shipment is necessary.

## [Example of model No.]

### SCM-W4-LB-40D-100-T0H-D-JI

Model: Round shaped cylinder, double acting/tandem

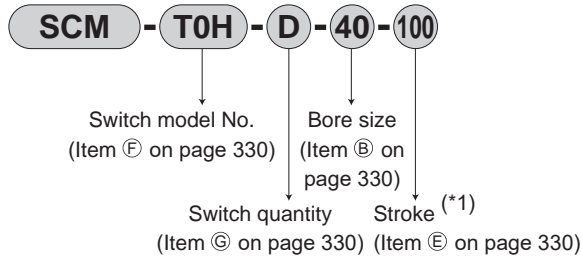
- A Mounting : Axial foot
- B Bore size : ø40 mm
- C Port thread : Rc thread
- D Cushion : With two-sided rubber cushion
- E Stroke : 100 mm
- F Switch model No. : Reed T0H switch, lead wire 1 m
- G Switch quantity : 2
- H Switch mounting : Rail
- I Option : Bellows material for max. ambient temperature 100°C
- J Accessory : Rod eye

| Code               | Description  |                    |                          |                       |                   |        |
|--------------------|--|--------------------|--------------------------|-----------------------|-------------------|--------|
| A Mounting         |  |                    |                          |                       |                   |        |
| 00                 | Basic  |                    |                          |                       |                   |        |
| LB                 | Axial foot   |                    |                          |                       |                   |        |
| FA                 | Rod side flange  |                    |                          |                       |                   |        |
| FB                 | Head side flange   |                    |                          |                       |                   |        |
| CA                 | Eye bracket  |                    |                          |                       |                   |        |
| TA                 | Rod side trunnion  |                    |                          |                       |                   |        |
| TB                 | Head side trunnion   |                    |                          |                       |                   |        |
| B Bore size (mm)   |  |                    |                          |                       |                   |        |
| 20                 | ø20  |                    |                          |                       |                   |        |
| 25                 | ø25  |                    |                          |                       |                   |        |
| 32                 | ø32  |                    |                          |                       |                   |        |
| 40                 | ø40  |                    |                          |                       |                   |        |
| 50                 | ø50  |                    |                          |                       |                   |        |
| 63                 | ø63  |                    |                          |                       |                   |        |
| C Port thread      |  |                    |                          |                       |                   |        |
| Blank              | Rc thread  |                    |                          |                       |                   |        |
| N                  | NPT thread (made-to-order product)                                 |                    |                          |                       |                   |        |
| G                  | G thread (made-to-order product)                                   |                    |                          |                       |                   |        |
| D Cushion          |  |                    |                          |                       |                   |        |
| D                  | With two-sided rubber cushion                                      |                    |                          |                       |                   |        |
| E Stroke (mm)      |  |                    |                          |                       |                   |        |
| Bore size          | Stroke *3  | Custom stroke      |                          |                       |                   |        |
| ø20 to ø63         | 10 to 600  | In 1 mm increments |                          |                       |                   |        |
| F Switch model No. |  |                    |                          |                       |                   |        |
| 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*   |                    | ●                        | ●                     | 1-color LED       | 3-wire |
| T3H*               | T3V*   |                    | ●                        | ●                     | 1-color LED       |        |
| T3PH*              | T3PV*  |                    | ●                        | ●                     | 1-color LED       | 2-wire |
| T2WH*              | T2WV*  |                    | ●                        | ●                     | 2-color LED       |        |
| T2YH*              | T2YV*  |                    | ●                        | ●                     |                   |        |
| T3WH*              | T3WV*  |                    | ●                        | ●                     |                   | 3-wire |
| T3YH*              | T3YV*  |                    | ●                        | ●                     |                   |        |
| T2YD*              | -  |                    | ●                        | ●                     | 2-color LED       | 2-wire |
| T2YDT*             | -  |                    | ●                        | ●                     | AC magnetic field | 2-wire |
| T2JH*              | T2JV*  | ●                  | ●                        | 1-color LED off-delay |                   |        |
| * Lead wire length |  |                    |                          |                       |                   |        |
| Blank              | 1 m (standard)   |                    |                          |                       |                   |        |
| 3                  | 3 m (option)   |                    |                          |                       |                   |        |
| 5                  | 5 m (option)   |                    |                          |                       |                   |        |
| G Switch quantity  |  |                    |                          |                       |                   |        |
| R                  | 1 on rod side  |                    |                          |                       |                   |        |
| H                  | 1 on head side   |                    |                          |                       |                   |        |
| D                  | 2  |                    |                          |                       |                   |        |
| T                  | 3  |                    |                          |                       |                   |        |
| 4                  | 4 (when there are more than 4 switches, indicate switch quantity.) |                    |                          |                       |                   |        |
| H Switch mounting  |  |                    |                          |                       |                   |        |
| Blank              | Rail method  |                    |                          |                       |                   |        |
| Z                  | Band method  |                    |                          |                       |                   |        |
| I Option           |  |                    |                          |                       |                   |        |
|                    |  | Max. ambient temp. | Instantaneous max. temp. |                       |                   |        |
| J                  | Bellows  | 100°C              | 200°C                    |                       |                   |        |
| L                  | Bellows  | 250°C              | 400°C                    |                       |                   |        |
| Q                  | Switch rail included at shipment                                   |                    |                          |                       |                   |        |
| M                  | Piston rod material (stainless steel)                              |                    |                          |                       |                   |        |
| P6                 | Copper and PTFE free   |                    |                          |                       |                   |        |
| J Accessory        |  |                    |                          |                       |                   |        |
| I                  | Rod eye  |                    |                          |                       |                   |        |
| Y                  | Rod clevis (pin and snap ring included)                            |                    |                          |                       |                   |        |
| B2                 | Clevis bracket   |                    |                          |                       |                   |        |

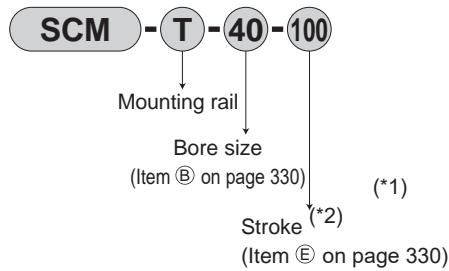
### How to order switch

#### [Switch mounting: Rail]

- Switch body + mounting rail set



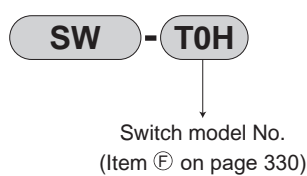
- Mounting rail only



\*1: Indicate X if the stroke exceeds 300 mm.  
If exceeding 300 mm, a short rail (with 100 mm switch adjustment length) will be included per switch.

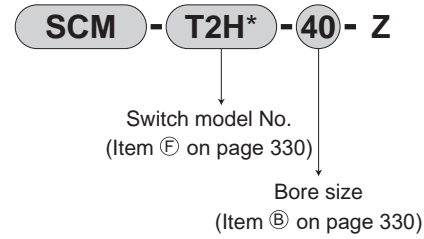
\*2: If indicating X when ordering mounting rails only, order the same number of rails as that of applicable switches.

#### [Switch body only]

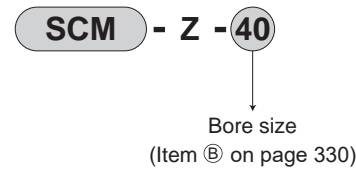


#### [Switch mounting: Band]

- Switch body + mounting bracket set + band



- Mounting bracket set + band



### How to order mounting bracket

| Bore size (mm)   | ø20       | ø25       | ø32       | ø40       | ø50       | ø63       |
|------------------|-----------|-----------|-----------|-----------|-----------|-----------|
| Mounting bracket |           |           |           |           |           |           |
| Foot (LB)        | SCM-LB-20 | SCM-LB-25 | SCM-LB-32 | SCM-LB-40 | SCM-LB-50 | SCM-LB-63 |
| Flange (FA/FB)   | SCM-FA-20 | SCM-FA-25 | SCM-FA-32 | SCM-FA-40 | SCM-FA-50 | SCM-FA-63 |
| Eye bracket (CA) | SCM-CA-20 | SCM-CA-25 | SCM-CA-32 | SCM-CA-40 | SCM-CA-50 | SCM-CA-63 |
| Trunnion (TA/TB) | SCM-TA-20 | SCM-TA-25 | SCM-TA-32 | SCM-TA-40 | SCM-TA-50 | SCM-TA-63 |

\*1: All mounting brackets are supplied with mounting bolts.

\*2: The foot mounting bracket is provided as 2 pcs./set.

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