

## How to order

No switch (built-in magnet for switch)

SCM-Q - LB - 40 - B - 100 - R - Q - I

With switch (built-in magnet for switch)

SCM-Q - LB - 40 - B - 100 - R - T2H - D - Q - I

A Mounting  
\*1, \*2

B Bore size

C Port thread

D Cushion

E Stroke

F Position locking mechanism

## ⚠ Precautions for model No. selection

\*1 : Mounting bracket will be shipped with the product.

\*2 : When the mounting is LB, the cylinder cannot be mounted on the frame if a bracket is already attached to the cylinder. Refer to Safety precautions for details.

\*3 : Refer to page 282 for the number of installed switches and the min. stroke.

\*4 : Switches other than G 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 : Refer to Ending Page 85 for custom specifications of rod end form.

\*7 : "Q" (switch rail enclosed at shipment) is not available for the "Z" switch mounting.

\*8 : "I" and "Y" cannot be selected together.

\*9 : Switches are shipped with the product. Contact CKD if assembling before shipment is necessary.

G Switch model No.

\*4

\*5

H Switch quantity

[Example of model No.]

SCM-Q-LB-40B-100-R-T2H-D-Q-I

Model: Round shaped cylinder, position locking

- A Mounting : Axial foot
- B Bore size : ø40 mm
- C Port thread : Rc thread
- D Cushion : With two-sided air cushion
- E Stroke : 100 mm
- F Position locking mechanism : With rod side position locking
- G Switch model No. : Proximity T2H switch, lead wire 1 m
- H Switch quantity : 2
- I Switch mounting : Rail
- J Option : Switch rail included at shipment
- K Accessory : Rod eye

I Switch

Installation method

J Option

\*7

K Accessory

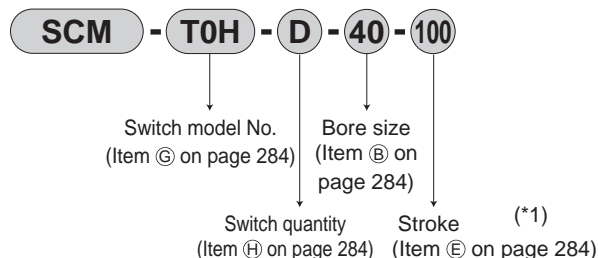
\*8

Code	Description								
A Mounting									
Bore size (ø)		20	25	32	40	50	63	80	100
00	Basic	●	●	●	●	●	●	●	●
LB	Axial foot	●	●	●	●	●	●	●	●
FA	Rod side flange	●	●	●	●	●	●	●	●
FB	Head side flange	●	●	●	●	●	●	●	●
CA	Eye bracket	●	●	●	●	●	●		
CB	Clevis bracket (pin and snap ring incl.)							●	●
TA	Rod side trunnion (Rod side position locking N/A)	●	●	●	●	●	●		
TB	Head side trunnion (head side position locking N/A)	●	●	●	●	●	●		
B Bore size (mm)									
20	ø20								
25	ø25								
32	ø32								
40	ø40								
50	ø50								
63	ø63								
80	ø80								
100	ø100								
C Port thread									
Blank	Rc thread								
N	NPT thread (made-to-order product) ø32 and over								
G	G thread (made-to-order product) ø32 and over								
D Cushion									
B	With two-sided air cushion								
R	Rod side air cushioned								
H	Head side air cushioned								
E Stroke (mm)									
Bore size		Stroke *2		Custom stroke					
ø20 to ø32		10 to 1000		In 1 mm increments					
ø40 to ø100		10 to 1500							
F Position locking mechanism									
R	With rod side position locking								
H	With head side position locking								
G 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*			●					
T3H*	T3V*			●					
T3PH*	T3PV*			●	1-color LED		3-wire		
T2WH*	T2WV*			●	2-color LED		2-wire		
T2YH*	T2YV*			●					
T3WH*	T3WV*			●					
T3YH*	T3YV*			●	2-color LED		3-wire		
T2YD*	-			●					
T2YDT*	-			●					
T2JH*	T2JV*			●	1-color LED off-delay		2-wire		
* Lead wire length									
Blank	1 m (standard)								
3	3 m (option)								
5	5 m (option)								
H 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.)								
I Switch mounting									
Blank	Rail method								
Z	Band method								
J Option									
Q	Switch rail included at shipment								
P6	Copper and PTFE free (made-to-order product)								
K Accessory									
Bore size (ø)		20	25	32	40	50	63	80	100
I	Rod eye	●	●	●	●	●	●	●	●
Y	Rod clevis (pin and snap ring included)	●	●	●	●	●	●	●	●
B1	Eye bracket							●	●
B2	Clevis bracket	●	●	●	●	●	●		

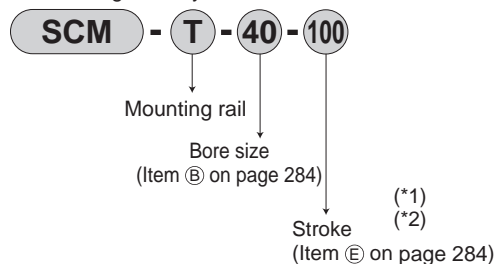
### How to order switch

#### [Switch mounting: Rail]

- Switch body + mounting rail set



- Mounting rail only

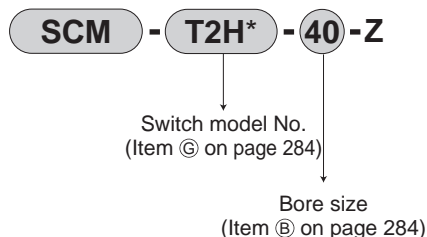


\*1: Indicate X if the stroke exceeds 300 mm.  
If exceeding 300 mm, a short rail (with 100 mm switch adjustment length) will be included per switch.

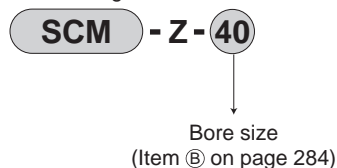
\*2: If indicating X when ordering mounting rails only, order the same number of rails as that of applicable switches.

#### [Switch mounting: Band]

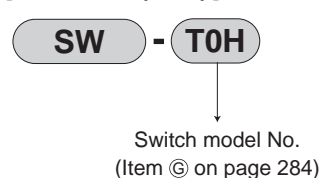
- Switch body + mounting bracket set + band



- Mounting bracket set + band



#### [Switch body only]



### How to order mounting bracket

Bore size (mm)	ø20	ø25	ø32	ø40	ø50	ø63	ø80	ø100
Mounting bracket								
Foot (LB)	SCM-LB-20	SCM-LB-25	SCM-LB-32	SCM-LB-40	SCM-LB-50	SCM-LB-63	SCM-LB-80	SCM-LB-100
Flange (FA/FB)	SCM-FA-20	SCM-FA-25	SCM-FA-32	SCM-FA-40	SCM-FA-50	SCM-FA-63	SCM-FA-80	SCM-FA-100
Eye bracket (CA)	SCM-CA-20	SCM-CA-25	SCM-CA-32	SCM-CA-40	SCM-CA-50	SCM-CA-63	—	—
Clevis bracket (CB)	—	—	—	—	—	—	SCM-CB-80	SCM-CB-100
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.

#### Clean-room specifications

(Catalog No. CB-033SA)

- Anti-dust generation structure for use in cleanrooms

SCM-Q.....- P7\*

SCM-Q.....- P5\*

#### Specifications for rechargeable battery

(Catalog No. CC-1226A)

- Design compatible with rechargeable battery manufacturing process

SCM-Q-...- P4\*

\* Contact CKD for details.