

# SCM-B Series

## How to order

No switch (built-in magnet for switch)

SCM-B-LB-40-D25-Cylinder 1 stroke-D50-Cylinder 2 stroke-JY

With switch (built-in magnet for switch)

SCM-B-LB-40-D25-T0H-D-Cylinder 1-D50-T0H-R-Cylinder 2-JY

A Mounting  
\*1

B Bore size

C Port thread

D Cushion

D Cushion

E Stroke  
=S1

E Stroke  
=S2

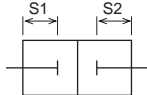
F Switch model No.

\*4

F Switch model No.

\*3

Cylinder 1 stroke 25 mm (S1)  
+ Cylinder 2 stroke 50 mm (S2)  
Total stroke 75 mm S1 + S2



## 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 316 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 : Switches are shipped with the product. Contact CKD if assembling before shipment is necessary.

## [Example of model No.]

### SCM-B-LB-40-D25-T0H-D-D50-T0H-R-JY

Model: Round shaped cylinder, double acting/back to back

- A Mounting : Axial foot
- B Bore size : ø40 mm
- C Port thread : Rc thread
- D Cushion : With two-sided rubber cushion ] Cylinder 1
- E Stroke : S1=25 mm
- D Cushion : With two-sided rubber cushion ] Cylinder 2
- E Stroke : S2=50 mm
- F Switch model No. : Reed T0H switch,  
Lead wire 1 m
- G Switch quantity : Cylinder 1; 2 pieces included,  
Cylinder 2; 1 on rod side
- H Switch mounting : Rail
- I Option : Bellows material for max. ambient temperature 100°C
- J Accessory : Rod clevis

Code	Description
<b>A Mounting</b>	
00	Basic
LB	Axial foot
FA	Cylinder 1 side flange
FB	Cylinder 2 side flange
TA	Cylinder 1 side trunnion
TB	Cylinder 2 side trunnion

<b>B Bore size (mm)</b>	
20	ø20
25	ø25
32	ø32
40	ø40
50	ø50
63	ø63

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

<b>D Cushion</b>	
D	With two-sided rubber cushion

<b>E Stroke (mm)</b>		
Bore size	Stroke *2	Custom stroke
ø20 to ø32	10 to 500	In 1 mm
ø40 to ø63	10 to 750	increments

<b>F 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	●			2-wire
T2H*	T2V*			●	1-color LED	
T3H*	T3V*			●		
T3PH*	T3PV*			●	1-color LED	3-wire
T2WH*	T2WV*			●		
T2YH*	T2YV*			●	2-color LED	
T3WH*	T3WV*			●		2-wire
T3YH*	T3YV*			●		
T2YD*	-			●	2-color LED	
T2YDT*	-			●	AC magnetic field	2-wire
T2JH*	T2JV*			●	1-color LED off-delay	

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

<b>G Switch quantity</b>	
R	1 on rod side
H	1 on head side
D	2
T	3
4	4 (If > 4 switches, indicate switch quantity.)

<b>H Switch mounting</b>	
Blank	Rail method
Z	Band method

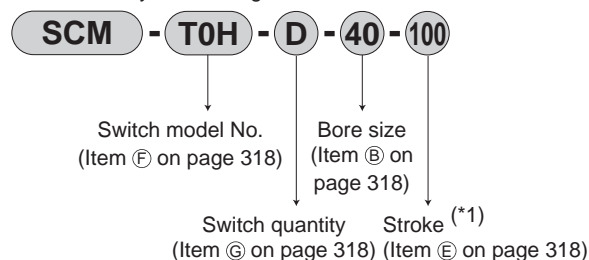
<b>I Option</b>			
		Max. ambient temp.	Instantaneous max. temp.
J	Bellows	100°C	200°C
L	Bellows	250°C	400°C
Q	Switch rail included at shipment		
M	Piston rod material (stainless steel)		
P6	Copper and PTFE free		

<b>J Accessory</b>	
I	Rod eye
Y	Rod clevis (pin and snap ring included)
B2	Clevis bracket

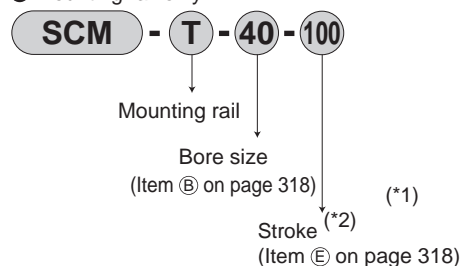
### How to order switch

#### [Switch mounting: Rail]

- Switch body + mounting rail set



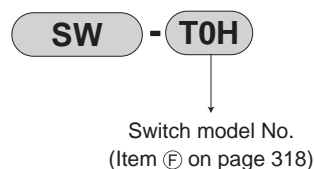
- Mounting rail only



\*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.

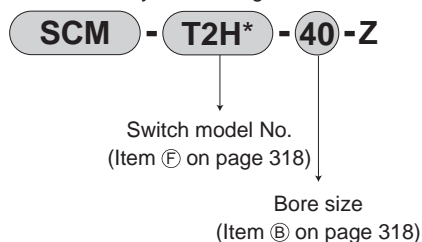
\*2: If indicating X when ordering mounting rails only, order the same number of rails as that of applicable switches.

#### [Switch body only]

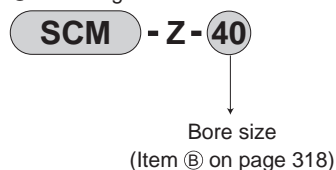


#### [Switch mounting: Band]

- 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)	SCM-FA-20	SCM-FA-25	SCM-FA-32	SCM-FA-40	SCM-FA-50	SCM-FA-63
Trunnion (TA)	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