

How to order

No switch (built-in magnet for switch)

SCM-LB-40-B-100-J-I

With switch (built-in magnet for switch)

SCM-LB-40-B-100-T2H-D-J-I

A Mounting
*1

B Bore size

C Port thread

D Cushion

E Stroke

F Switch model No.
*4
*5

⚠ 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 232 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 16 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-LB-40B-100-T2H-D-JI

Model: Round shaped cylinder, double acting

- 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** Switch model No. : Proximity T2H switch, lead wire 1 m
- G** Switch Quantity : 2 pcs. included
- H** Switch mounting : Rail
- I** Option : Bellows material for max. ambient temperature 100°C
- J** Accessory : Rod eye

I Option
*2
*6
*8

J Accessory
*9

Code	Description
A Mounting	
	Bore size (ø)
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
TB	Head side trunnion

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) With air cushion: ø32 and over
G	G thread (made-to-order product) With air cushion: ø32 and over

D Cushion	
B	With two-sided air cushion
R	Rod side air cushioned
H	Head side air cushioned
D	With two-sided rubber cushion

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 Switch model No.					
Axial lead wire	Radial lead wire	Contact	Voltage AC DC	Indicator	Lead wire
T0H*	T0V*	Reed	● ●	1-color LED	2-wire
T5H*	T5V*		● ●	No indicator lamp	
T8H*	T8V*		● ●	1-color LED	
T1H*	T1V*		● ●	1-color LED	
T2H*	T2V*	Proximity	● ●	1-color LED	2-wire
T3H*	T3V*		● ●	1-color LED	3-wire
T3PH*	T3PV*		● ●	1-color LED	2-wire
T2WH*	T2WV*		● ●	2-color LED	
T2YH*	T2YV*		● ●	2-color LED	
T3WH*	T3WV*		● ●	2-color LED	
T3YH*	T3YV*		● ●	2-color LED	3-wire
T2YD*	-		● ●	2-color LED	2-wire
T2YDT*	-		● ●	for AC magnetic field	
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

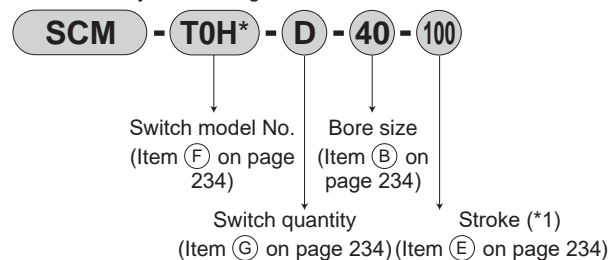
I Option			
		Max. ambient temp.	Instantaneous max. temp.
J	Bellows	100°C	200°C
L	Bellows	250°C	400°C
Q	Switch rail included at shipment		
M	Piston rod material (stainless steel)		
P6	Copper and PTFE free		

J Accessory	
	Bore size (ø)
I	Rod eye
Y	Rod clevis (pin and snap ring included)
B1	Eye bracket
B2	Clevis bracket

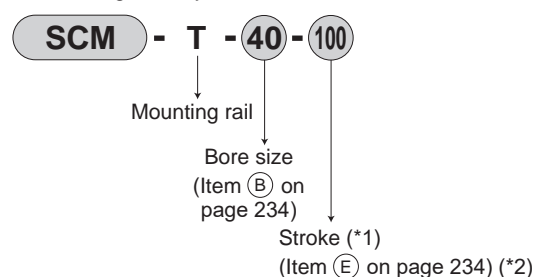
How to order switch

[Switch mounting: Rail]

- Switch body + mounting rail set



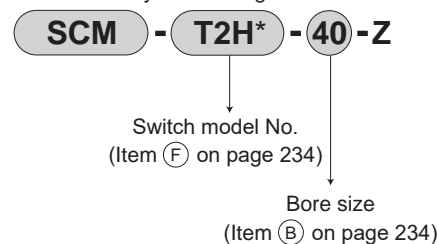
- Mounting rail only



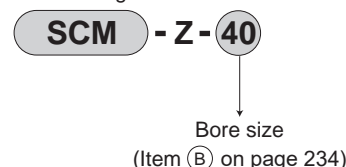
- *1: Indicate X if the stroke exceeds 300 mm.
If exceeding 300 mm, a short rail (with 100 mm switch adjustment length) will be included per switch.
- *2: If indicating X when ordering mounting rails only, order the same number of rails as that of applicable switches.

[Switch mounting: Band]

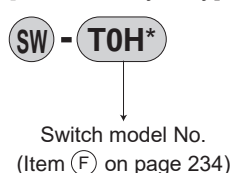
- Switch body + mounting bracket set + band



- Mounting bracket set + band



[Switch body only]



Clean-room specifications

(Catalog No. CB-033SA)

- Anti-dust generation structure for use in cleanrooms

SCM - - P7*

SCM - - P5*

Specifications for rechargeable battery

(Catalog No. CC-1226A)

- Design compatible with rechargeable battery manufacturing process

SCM - - P4*

* Contact CKD for details.

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.

Material of mounting bracket

Mounting	Material
LB	Steel
FA/FB	Aluminum *2
TA/TB	Steel
CA	Steel
CB	Cast iron

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

However, it will be attached to the product if the product is the type with bellows and LB, FA, or TA mounting bracket, SCM-P with LB, FB or TB mounting bracket, or SCM-R with LB, FB or TB mounting bracket.

*2: The ø50 to ø100 material is steel.

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