

How to order

No switch (built-in magnet for switch)

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

With switch (built-in magnet for switch)

SCM-O-LB-40-D-100-T2H-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 298 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-O-LB-40D-100-T2H-D-JI

- 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. : Proximity T2H 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									
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	●	●	●	●	●	●		
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)
G	G thread (made-to-order product)

D Cushion	
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		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*			●		
T2YH*	T2YV*			●	2-color LED	2-wire
T3WH*	T3WV*			●		
T3YH*	T3YV*			●		3-wire
T2YD*	-			●	2-color LED	
T2YDT*	-			●	AC magnetic field	
T2JH*	T2JV*			●	1-color LED off-delay	2-wire

* 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

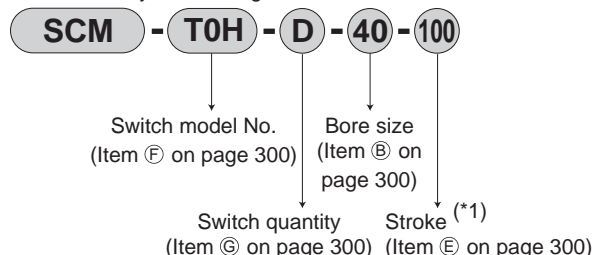
I Option			
		Max. ambient temp.	Instantaneous max. temp.
J	Bellows	100°C	200°C
L	Bellows	250°C	400°C
Q	Switch rail included at shipment		
M	Piston rod material (stainless steel)		

J 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	●	●	●	●	●	●		

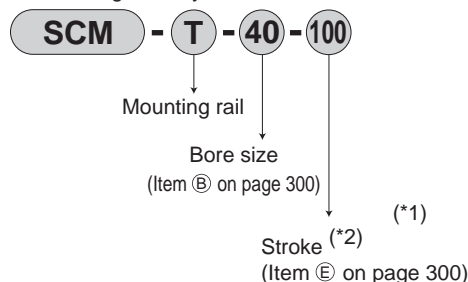
How to order switch

[Switch mounting: Rail]

● Switch body + mounting rail set



● Mounting rail only

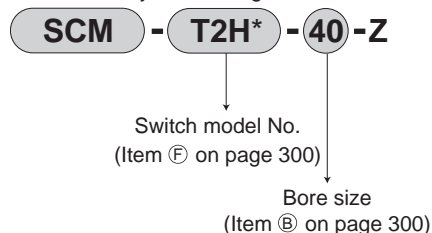


*1: Indicate X if the stroke exceeds 300 mm. If exceeding 300 mm, a short rail (with 100 mm switch adjustment length) will be included per switch.

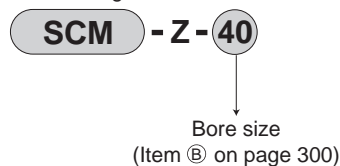
*2: If indicating X when ordering mounting rails only, order the same number of rails as that of applicable switches.

[Switch mounting: Band]

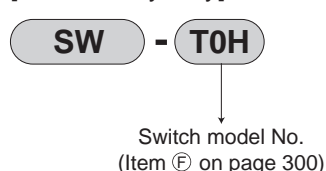
● Switch body + mounting bracket set + band



● 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.

Internal structure

Same as standard. Refer to page 236.

Repair parts list

Bore size (mm)	Kit No.	Repair parts No.
ø20	SCM-O-20K	3 6 8 10 13
ø25	SCM-O-25K	
ø32	SCM-O-32K	
ø40	SCM-O-40K	
ø50	SCM-O-50K	
ø63	SCM-O-63K	
ø80	SCM-O-80K	
ø100	SCM-O-100K	

Dimensions

Same as standard. Refer to pages 238 to 251.

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