

SCM-D Series

How to order

No switch (built-in magnet for switch)

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

With switch (built-in magnet for switch)

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

A Mounting

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

⚠ 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 308 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-D-LB-40B-100-T2H-D-JI

Model: Round shaped cylinder, double acting/double rod

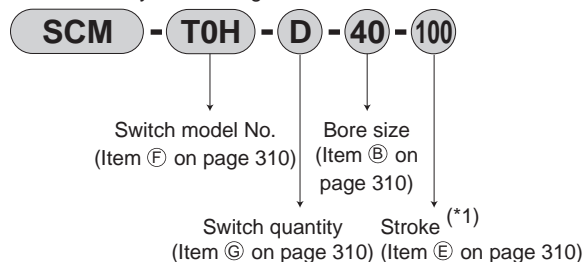
- A** Mounting : Axial foot
- B** Bore size : ø40 mm
- C** Port thread : Rc thread
- D** Cushion : With two-sided air cushion
- E** Stroke : 100 mm
- F** Switch model No. : Proximity T2H switch, lead wire 1 m
- G** Switch quantity : 2
- H** Switch mounting : Rail
- I** Option : Bellows material for max. 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	●	●	●	●	●	●	●	●	
TA	Rod 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										
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			Custom stroke					
ø20 to ø100		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	2-wire				
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		3-wire			
T3YH*	T3YV*			●	2-color LED	2-wire				
T2YD*	-			●	AC magnetic field					
T2YDT*	-			●	1-color LED off-delay	2-wire				
T2JH*	T2JV*			●						
* 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)		20	25	32	40	50	63	80	100	
I	Rod eye	●	●	●	●	●	●	●	●	
Y	Rod clevis (pin and snap ring included)	●	●	●	●	●	●	●	●	
B2	Clevis bracket	●	●	●	●	●	●			

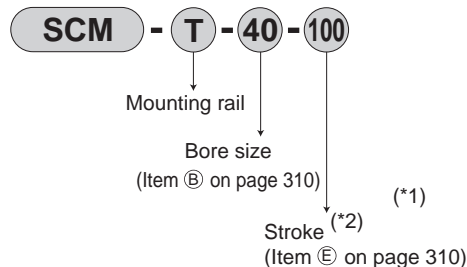
How to order switch

[Switch mounting: Rail]

● Switch body + mounting rail set



● Mounting rail only



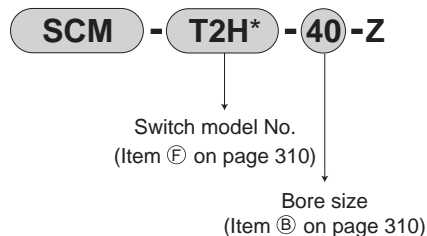
*1: Indicate X if the stroke exceeds 300 mm.

If exceeding 300 mm, a short rail (with 100 mm switch adjustment length) will be included per switch.

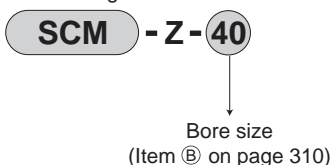
*2: If indicating X when ordering mounting rails only, order the same number of rails as that of applicable switches.

[Switch mounting: Band]

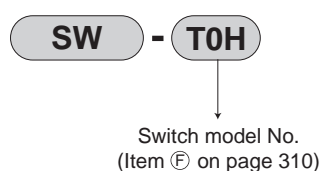
● Switch body + mounting bracket set + band



● 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)	SCM-FA-20	SCM-FA-25	SCM-FA-32	SCM-FA-40	SCM-FA-50	SCM-FA-63	SCM-FA-80	SCM-FA-100
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