

SCS2-D Series

How to order

No switch (lubrication) (without magnet for switch)

SCS2-D — **LB** — **125** — **B** — **50** — **J** — **I**

With switch (no-lubrication) (built-in magnet for switch)

SCS2-LND — **LB** — **125** — **B** — **50** — **T0H** — **R** — **J** — **I**

A Mounting
*1

B Bore size

C Port thread

D Cushion

E Stroke *2

F Switch model No.

G Switch quantity
*3

H Option
*4

I Accessory
*5

⚠ Precautions for model No. selection

- *1 : Supporting hole is available custom made for ø125 to 160 only. Contact CKD for details about dimensions.
- *2 : Refer to page 648 for the min. stroke with switch.
- *3 : When selecting TA or TB as mounting, the number of switches is limited to "H" (1 on head side) for TA and TD, and "R" (1 on rod side) for TB.
- *4 : The instantaneous max. temperature is the temperature when sparks, cutting chips, etc., instantaneously contact the bellows.
- *5 : Refer to page 651 for the cushion needle position indication.

[Example of model No.]

SCS2-LND-LB-125B-50-T0H-R-JY

Model: Large bore size cylinder double acting/double rod, with switch

- A** Mounting : Axial foot
- B** Bore size : ø125 mm
- C** Port thread : Rc thread
- D** Cushion : Both sides cushioned
- E** Stroke : 50 mm
- F** Switch model No.: Reed T0H switch, lead wire 1 m
- G** Switch quantity : 1 on rod side
- H** Option : Bellows material for max. ambient temperature 100°C
- I** Accessory : Rod clevis

Code	Description
A Mounting	
00	Basic
LB	Axial foot
FA	Rod side flange
FB	Head side flange
TC	Intermediate trunnion
TA	Rod side trunnion
TB	Head side trunnion

B Bore size (mm)	
125	ø125
140	ø140
160	ø160
180	ø180
200	ø200
250	ø250

C Port thread	
Blank	RC thread
N	NPT thread (made-to-order product)
G	G thread (made-to-order product)

D Cushion	
B	Both sides cushioned
R	Rod side cushioned
H	Head side cushioned
N	Without cushion


E Stroke (mm)		
Bore size	Stroke *2	Custom stroke
ø125 to ø160	1 to 800	In 1 mm increments
ø180	1 to 900	
ø200	1 to 1000	
ø250	1 to 1200	

F Switch model No.						
Axial lead wire	Radial lead wire	Contact	Voltage		Indicator	Lead Line
			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 (PNP output)	3-wire
T2WH*	T2WV*			●		
T2YH*	T2YV*			●	2-color LED	2-wire
T3WH*	T3WV*			●		
T3YH*	T3YV*			●		
T2YD*	-			●	2-color LED	2-wire
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

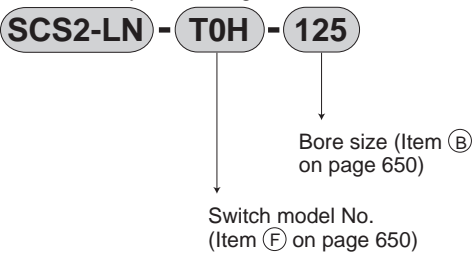
H Option	
C2	With cushion section check valve
J	Bellows : Max. ambient temp. : 100°C : Instantaneous ambient temp. : 200°C
L	Bellows : 250°C : 400°C
M	Piston rod material (stainless steel)

Blank	Cushion needle position (standard)	Standard
R	Cushion needle position R	
S	Cushion needle position S	
T	Cushion needle position T	
P6	Copper and PTFE free (made to order)	

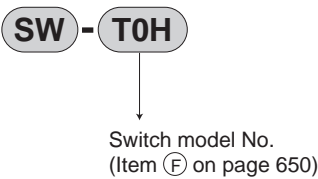
I Accessory	
I	Rod eye
Y	Rod clevis (pin and snap ring included)

How to order switch

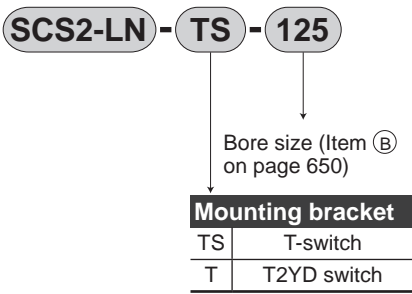
● Switch body + mounting bracket set



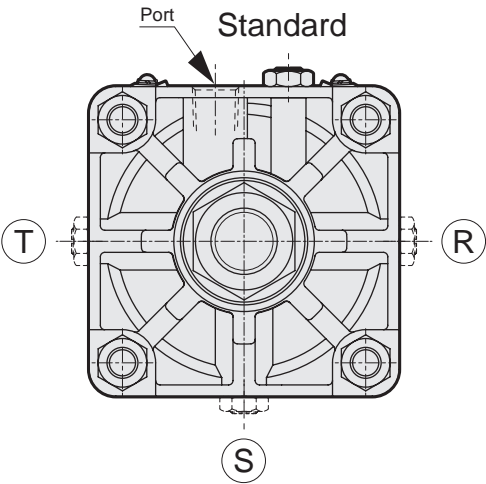
● Switch body only



● Mounting bracket set



Cushion needle position (needle position from rod direction with the port on the top side)



Certified class 2 pressure vessel stroke

Bore size	Stroke
ø200	946 or more
ø250	752 or more

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