

SSD2-F/SSD2-KF Series

How to order

No switch (without magnet for switch)

SSD2-F-12-5-N-LB-I

With switch (built-in magnet for switch)

SSD2-LF-12-10-T0H-R-N-LB-I

A Model No.

B Bore size

C Port thread

D Stroke

E Switch model No.

*1

*2

*3

*8

*10

F Switch quantity

G Option

*4

⚠ Precautions for model No. selection

- *1 : The T2YD* switch cannot be mounted on the ø12 and ø16 bore sizes.
- *2 : The T8* switch cannot be mounted on the ø12 to ø32 bore sizes.
- *3 : The F-switch can only be mounted on the piping port surface of bore sizes ø20 and ø25.
- *4 : Piston rod of ø12 to ø25 is stainless steel as standard. C-snap ring is stainless steel instead of steel. The rod end male thread nut is stainless steel.
- *5 : The mounting bracket is included at shipment.
- *6 : The projection dimension of piston rod WF when LB or FA is selected is different from that of the standard. Refer to the dimensions on pages 761, 763, 765 and 766. The number of the specified protruding dimension will be added at the end of the model No. printed on the metal plate on the body.
- *7 : "I" and "Y" cannot be selected together.
- *8 : The F-switch with L lead wire on ø20 models cannot be selected on strokes of 15 mm or under.
- *9 : Refer to pages 750 and 751 for combinations of variations/options.
- *10 : Switches are shipped with the product. Contact CKD if assembling before shipment is necessary.
- *11 : F-switch cannot be selected.

[Example of model No.]

SSD2-LF-12-10-T0H-R-N-LB-I

Model: Compact cylinder, fine speed

- B** Bore size : ø12 mm
- C** Port thread : Rc thread
- D** Stroke : 10mm
- E** Switch model No. : Reed switch T0H, lead wire length 1 m
- F** Switch quantity : 1 on rod side
- G** Option : Rod end male thread
- H** Mounting bracket : Axial foot
- I** Accessory : Rod eye

H Mounting bracket

*5

*6

I Accessory

*7

Code		Description														
A Model No.																
SSD2-F	Double acting/single rod															
SSD2-LF	Double acting/single rod/with switch															
SSD2-KF	Double acting/high load															
SSD2-KLF	Double acting/high load/with switch															
B Bore size (mm)																
12	ø12															
16	ø16															
20	ø20															
25	ø25															
32	ø32															
40	ø40															
50	ø50															
63	ø63															
80	ø80															
100	ø100															
C Port thread																
Blank	Rc thread															
NN	NPT thread (ø32 and over) (made-to-order product)															
GN	G thread (ø32 and over) (made-to-order product)															
D Stroke (mm)																
Refer to the stroke table on the following page.																
E Switch model No.																
Lead wire	Lead wire	Contact	Voltage	Indicator	Lead wire	Bore size										
Straight	L-shaped		AC		DC		12	16	20	25	32	40	50	63	80	100
-	F2S*	Proximity	●	1-color LED	2-wire			●	●							
-	F3S*		●		3-wire			●	●							
F2H*	F2V*		●		2-wire			●	●							
F3H*	F3V*		●		3-wire			●	●							
F3PH*	F3PV*	Proximity	●	1-color LED (PNP output) (custom)	3-wire			●	●							
F2YH*	F2YV*		●	2-color LED	2-wire			●	●							
F3YH*	F3YV*		●		3-wire			●	●							
T0H*	T0V*		●		1-color LED	2-wire	●	●	●	●	●	●	●	●	●	●
T5H*	T5V*	Reed	●	No indicator lamp	2-wire	●	●	●	●	●	●	●	●	●	●	
T8H*	T8V*		●	1-color LED						●	●	●	●	●		
T1H*	T1V*		●	1-color LED	2-wire			●	●	●	●	●	●	●	●	
T2H*	T2V*		●		3-wire	●	●	●	●	●	●	●	●	●	●	
T3H*	T3V*	●	1-color LED (PNP output)		3-wire	●	●	●	●	●	●	●	●	●	●	
T3PH*	T3PV*	●	2-color LED		2-wire	●	●	●	●	●	●	●	●	●	●	
T2WH*	T2WV*	●		3-wire	●	●	●	●	●	●	●	●	●	●	●	
T2YH*	T2YV*	●					●	●	●	●	●	●	●	●	●	
T3WH*	T3WV*	●					●	●	●	●	●	●	●	●	●	
T3YH*	T3YV*	Proximity	●	2-color LED	3-wire			●	●	●	●	●	●	●	●	
T2YD*	-		●		2-color LED	2-wire			●	●	●	●	●	●	●	●
T2YDT*	-		●		for AC magnetic field	2-wire			●	●	●	●	●	●	●	●
T2JH*	T2JV*		●		1-color LED off-delay	2-wire			●	●	●	●	●	●	●	●
* Lead wire length																
Blank	1 m (standard)															
3	3 m (option)															
5	5 m (option)															
F Switch quantity																
R	1 on rod side															
H	1 on head side															
D	2															
G Option																
Blank	Rod end female thread															
N	Rod end male thread															
M *4	Piston rod material (stainless steel)															
H Mounting bracket																
Blank	Without mounting bracket															
LB	Axial foot															
CB	Clevis bracket (pin and snap ring included)															
FA	Rod side flange															
FB	Head side flange															
I Accessory (available when rod end male thread “N” is selected)																
I	Rod eye															
Y	Rod clevis (pin and snap ring included)															

[Stroke table]

● SSD2-F/SSD2-KF

Stroke (mm)		Applicable bore size									
		12	16	20	25	32	40	50	63	80	100
Standard stroke	5	●	●	●	●	●	●				
	10	●	●	●	●	●	●	●	●	●	●
	15	●	●	●	●	●	●	●	●	●	●
	20	●	●	●	●	●	●	●	●	●	●
	25	●	●	●	●	●	●	●	●	●	●
	30	●	●	●	●	●	●	●	●	●	●
	35			●	●	●	●	●	●	●	●
	40			●	●	●	●	●	●	●	●
	45			●	●	●	●	●	●	●	●
	50			●	●	●	●	●	●	●	●
	75					●	●	●	●	●	●
	100					●	●	●	●	●	●
Min. stroke (mm) *1		1									
Max. stroke (mm)		30		50		100					
Custom stroke *2		In 1 mm increments									

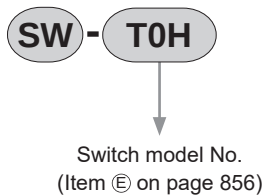
1: Less than 5 mm for 1-color LED switch and less than 10 mm for the 2-color LED, off-delay, AC magnetic field proof, T1 or T8* switch are not available.

Refer to page 854 for the min. stroke with switch.

*2: The total length when using a custom stroke is the same as that when using the next longer standard stroke.

*3: Refer to pages 763 and 765 (F and LF) or page 789 (KF) for the min. stroke with mounting bracket LB.

How to order switch



How to order mounting bracket

Bore size (mm)	ø12	ø16	ø20	ø25	ø32	ø40	ø50
Mounting bracket							
Foot (LB)	SSD2-LB-12	SSD2-LB-16	SSD2-LB-20	SSD2-LB-25	SSD2-LB-32	SSD2-LB-40	SSD2-LB-50
Flange (FA/FB)	SSD2-FA-12	SSD2-FA-16	SSD2-FA-20	SSD2-FA-25	SSD2-FA-32	SSD2-FA-40	SSD2-FA-50
Clevis bracket (CB)	SSD2-CB-12	SSD2-CB-16	SSD2-CB-20	SSD2-CB-25	SSD2-CB-32	SSD2-CB-40	SSD2-CB-50
Bore size (mm)	ø63	ø80	ø100				
Mounting bracket							
Foot (LB)	SSD2-LB-63	SSD2-LB-80	SSD2-LB-100				
Flange (FA/FB)	SSD2-FA-63	SSD2-FA-80	SSD2-FA-100				
Clevis bracket (CB)	SSD2-CB-63	SSD2-CB-80	SSD2-CB-100				

*1: The foot mounting bracket is provided as 2 pcs./set.

SCP*3

CMK2

CMA2

SCM

SCG

SCA2

SCS2

CKV2

CAV2/
COVP/IN2

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