

SSD2-D Series

How to order

No switch (without magnet for switch)

SSD2-D - **12** - **5** - **N** - **LB** - **I**

With switch (built-in magnet for switch)

SSD2-DL - **12** - **10** - **T0H** - **R** - **N** - **LB** - **I**

A Model No.

B Bore size

C Port thread

D Cushion

E Stroke

F Switch model No.

*1, *2

*3, *8

*9

G Switch quantity

H 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 ø12 and ø16.

*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 877, 879 and 881. 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 type lead wire on ø20 models cannot be selected on strokes of 15 mm or under.

*9 : Switches are shipped with the product. Contact CKD if assembling before shipment is necessary.

*10: Refer to pages 750 and 751 for combinations of variations/options.

*11 : F-switch cannot be selected.

[Example of model No.]

SSD2-DL-12-5-T0H-R-N-LB-I

Model: Compact cylinder double acting/double rod

B Bore size : ø12 mm

C Port thread : Rc thread

D Cushion : No cushion

E Stroke : 5mm

F Switch model No. : Reed T0H switch/
Lead wire length 1 m

G Switch quantity : 1 on rod side

H Option : Rod end male thread

I Mounting bracket : Axial foot

J Accessory : Rod eye

How to order switch

SW - **T0H**

Switch model No. (Item **F** above)

I Mounting bracket
*5
*6

J Accessory
*7

Code		Description															
A Model No.																	
SSD2-D	Double acting/double rod																
SSD2-DL	Double acting/double rod/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 Cushion																	
Blank	Without cushion																
D	With rubber cushion																
E Stroke (mm)																	
Refer to the stroke table on the following page.																	
F Switch model No.																	
Lead wire	Lead wire	Contact	Voltage	Indicator	Lead	Bore size											
Straight	L-shaped		AC DC		wire	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*			●		1-color LED (PNP output) (custom)	3-wire			●	●						
F2YH*	F2YV*	Reed		●	2-color LED	2-wire			●	●							
F3YH*	F3YV*			●		3-wire			●	●							
T0H*	T0V*			●		●	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*			●		2-wire	●	●	●	●	●	●	●	●	●		
T3H*	T3V*			●		3-wire	●	●	●	●	●	●	●	●	●		
T3PH*	T3PV*			●		1-color LED (PNP output)	3-wire	●	●	●	●	●	●	●	●		
T2WH*	T2WV*			●		2-color LED	2-wire	●	●	●	●	●	●	●	●		
T2YH*	T2YV*			●	2-wire		●	●	●	●	●	●	●	●	●		
T3WH*	T3WV*			●	3-wire		●	●	●	●	●	●	●	●	●		
T3YH*	T3YV*			●	2-wire		●	●	●	●	●	●	●	●	●		
T2YD*	-			●	2-color LED		2-wire			●	●	●	●	●	●	●	
T2YDT*	-			●	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)																
G Switch quantity																	
R	1 on rod side																
H	1 on head side																
D	2																
H Option																	
	Bore size (mm)	12	16	20	25	32	40	50	63	80	100						
Blank	Rod end female thread	●	●	●	●	●	●	●	●	●	●						
N	Rod end male thread	●	●	●	●	●	●	●	●	●	●						
P6	Copper and PTFE free specifications	Supported as standard							●	●	●						
M *4	Piston rod material (stainless steel)	●	●	●	●	●	●	●	●	●	●						
P4	Specifications for rechargeable battery (made to order)	●	●	●	●	●	●	●	●	●	●						
P40		●	●	●	●	●	●	●	●	●	●						
I Mounting bracket																	
Blank	Without mounting bracket																
LB	Axial foot																
FA	Rod side flange																
J Accessory (available when rod end male thread “N” is selected)																	
I	Rod eye																
Y	Rod clevis (pin and snap ring included)																

[Stroke table]

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 5 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 868 for the min. stroke with switch.

*2: Available only for more than 50 mm stroke.

How to order mounting brackets

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)	SSD2-FA-12	SSD2-FA-16	SSD2-FA-20	SSD2-FA-25	SSD2-FA-32	SSD2-FA-40	SSD2-FA-50
Bore size (mm)	ø63	ø80	ø100				
Mounting bracket							
Foot (LB)	SSD2-LB-63	SSD2-LB-80	SSD2-LB-100				
Flange (FA)	SSD2-FA-63	SSD2-FA-80	SSD2-FA-100				

*1: 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