

SSD2 (Long stroke) Series

How to order

No switch (without magnet for switch)

SSD2 - **12** - **100** - **N** - **LB** - **I**

With switch (built-in magnet for switch)

SSD2-L - **12** - **100** - **T0H** - **R** - **N** - **LB** - **I**

A Bore size

B Port thread

C Stroke

D Switch model No.

*1

*2

*3

*8

E Switch quantity

F Option
*4

G Mounting bracket
*5
*6

⚠ 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 799 and 801. 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 : Switches are shipped with the product. Contact CKD if assembling before shipment is necessary.

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

*10 : F-switch cannot be selected.

[Example of model No.]

SSD2-L-12-100-T0H-R-N

Model: Compact cylinder, long stroke

A Bore size : ø12 mm

B Port thread : Rc thread

C Stroke : 100mm

D Switch model No. : Reed T0H switch
· Lead wire 1 m

E Switch quantity : 1 on rod side

F Option : Rod end male thread

H Accessory
*7

Code	Description
A Bore size (mm)	
12	ø12
16	ø16
20	ø20
25	ø25
32	ø32
40	ø40
50	ø50
63	ø63
80	ø80
100	ø100

B 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)

C Stroke (mm)	
Refer to the stroke table on the following page.	

D 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*			●	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*			●			1-color LED	3-wire	●	●	●	●	●	●	●	●	●
T3H*	T3V*			●					●	●	●	●	●	●	●	●	●
T3PH*	T3PV*			●					1-color LED (PNP output)	●	●	●	●	●	●	●	●
T2WH*	T2WV*			●	2-color LED	2-wire	●		●	●	●	●	●	●	●	●	
T2YH*	T2YV*			●				●	●	●	●	●	●	●	●	●	
T3WH*	T3WV*			●		2-color LED	3-wire	●	●	●	●	●	●	●	●	●	●
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) *10

E Switch quantity	
R	1 on rod side
H	1 on head side
D	2

F Option											
Bore size (ø)		12	16	20	25	32	40	50	63	80	100
Blank	Rod end female thread	●	●	●	●	●	●	●	●	●	●
N	Rod end male thread	●	●	●	●	●	●	●	●	●	●
M *4	Piston rod material (stainless steel)	●	●	●	●	●	●	●	●	●	●
P6	Copper and PTFE free	Standard	●	●	●	●	●	●	●	●	●
P4	Specifications for	●	●	●	●	●	●	●	●	●	●
P40	rechargeable battery	●	●	●	●	●	●	●	●	●	●

G 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

H 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									
		ø12	ø16	ø20	ø25	ø32	ø40	ø50	ø63	ø80	ø100
Standard stroke	35	●	●								
	40	●	●								
	45	●	●								
	50	●	●								
	75	●	●	●	●						
	100	●	●	●	●						
	125			●	●	●	●	●	●	●	●
	150			●	●	●	●	●	●	●	●
	175			●	●	●	●	●	●	●	●
	200			●	●	●	●	●	●	●	●
	250				●	●	●	●	●	●	●
300				●	●	●	●	●	●	●	
Max. stroke (mm)		100		200		300					
Custom stroke *1		In 1 mm increments									

*1: The total length is the same as that of the next longer standard stroke.

How to order switch

SW - T0H

Switch model No.
(Item ① on page 794)

Cylinder weight table

(the weight of the switches is when there are 2 cylinder switches.)

(Unit: g)

Stroke (mm)	35		40		45		50		75		100		125		150		175		200		250		300	
Bore size (mm)	No switch	Switch	No switch	Switch	No switch	Switch	No switch	Switch	No switch	Switch	No switch	Switch	No switch	Switch	No switch	Switch	No switch	Switch	No switch	Switch	No switch	Switch	No switch	Switch
ø12	144	146	153	155	161	163	170	172	212	214	255	257	-	-	-	-	-	-	-	-	-	-	-	-
ø16	179	180	190	191	201	202	212	213	267	268	322	323	-	-	-	-	-	-	-	-	-	-	-	-
ø20	-	-	-	-	-	-	-	-	321	326	383	388	446	451	508	513	571	576	633	638	-	-	-	-
ø25	-	-	-	-	-	-	-	-	412	417	492	497	572	577	652	657	732	737	812	817	972	977	1132	1137
ø32	-	-	-	-	-	-	-	-	-	-	-	-	790	799	897	905	1003	1012	1111	1119	1326	1334	1541	1549
ø40	-	-	-	-	-	-	-	-	-	-	-	-	1000	1016	1133	1148	1265	1281	1398	1413	1663	1678	1928	1943
ø50	-	-	-	-	-	-	-	-	-	-	-	-	1553	1571	1779	1796	2004	2022	2217	2234	2642	2659	3067	3084
ø63	-	-	-	-	-	-	-	-	-	-	-	-	2138	2162	2413	2437	2688	2712	2963	2987	3512	3536	4062	4086
ø80	-	-	-	-	-	-	-	-	-	-	-	-	3478	3505	3911	3937	4343	4370	4776	4802	5640	5666	6505	6531
ø100	-	-	-	-	-	-	-	-	-	-	-	-	4816	4848	5386	5418	5956	5988	6526	6558	7667	7699	8807	8839

How to order mounting bracket

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

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