

SSD2-K Series

How to order

No switch (without magnet for switch)

SSD2-K - 12 - 10 - N - LB - I

With switch (built-in magnet for switch)

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

A Bore size

B Port thread

C Stroke

D Switch model No.

*1
*2
*3
*8
*9

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 783, 785, 787, 789 and 790. 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 10 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-KL-12-10-T0H-R-N

Model: Compact cylinder, high load

A Bore size : ø12 mm

B Port thread : Rc thread

C Stroke : 10mm

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.	

② Switch model No.																	
Lead wire Straight	Lead wire L-shaped	Contact	Voltage		Indicator	Lead wire	Bore size										
			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*	Proximity		●	2-color LED	2-wire			●	●							
F3YH*	F3YV*			●		3-wire			●	●							
T0H*	T0V*		Reed	●		●	1-color LED	2-wire	●	●	●	●	●	●	●	●	●
T5H*	T5V*	●		●	No indicator lamp	●	●		●	●	●	●	●	●	●	●	●
T8H*	T8V*	●		●	1-color LED						●	●	●	●	●	●	●
T1H*	T1V*	●			1-color LED	2-wire				●	●	●	●	●	●	●	●
T2H*	T2V*		●	3-wire		●	●	●	●	●	●	●	●	●	●	●	
T3H*	T3V*		●	3-wire		●	●	●	●	●	●	●	●	●	●	●	
T3PH*	T3PV*		●	1-color LED (PNP output)		3-wire	●	●	●	●	●	●	●	●	●	●	
T2WH*	T2WV*	Proximity		●	2-color LED	2-wire	●		●	●	●	●	●	●	●	●	●
T2YH*	T2YV*			●		2-wire			●	●	●	●	●	●	●	●	●
T3WH*	T3WV*			●		3-wire	●	●		●	●	●	●	●	●	●	●
T3YH*	T3YV*			●		3-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) *11

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		●	●	●	●	●	●	●	●
S	Dedicated unit for custom stroke	●	●	●	●	●	●	●	●	●	●
P4	Specifications for rechargeable battery	●	●	●	●	●	●	●	●	●	●
P40		●	●	●	●	●	●	●	●	●	●

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									
	12	16	20	25	32	40	50	63	80	100
5	●	●	●	●	●	●	●	●	●	●
10	●	●	●	●	●	●	●	●	●	●
15	●	●	●	●	●	●	●	●	●	●
20	●	●	●	●	●	●	●	●	●	●
25	●	●	●	●	●	●	●	●	●	●
30	●	●	●	●	●	●	●	●	●	●
35	●	●	●	●	●	●	●	●	●	●
40	●	●	●	●	●	●	●	●	●	●
45	●	●	●	●	●	●	●	●	●	●
50	●	●	●	●	●	●	●	●	●	●
75	●	●	●	●	●	●	●	●	●	●
100	●	●	●	●	●	●	●	●	●	●

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

Refer to page 776 for the min. stroke with switch.

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

*3: Refer to page 789 for the min. stroke with mounting bracket LB.

How to order switch

SW - T0H

Switch model No.
(Item ⑤ on page 778)

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

(Unit: g)

Stroke (mm)	5		10		15		20		25		30		35		40		45		50		75		100	
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	44	86	53	95	61	103	70	112	78	121	87	129	-	-	-	-	-	-	-	-	-	-	-	-
ø16	59	104	69	114	80	125	91	136	102	147	113	158	-	-	-	-	-	-	-	-	-	-	-	-
ø20	75	150	88	163	101	176	113	188	126	201	138	213	151	226	163	238	176	251	188	263	-	-	-	-
ø25	102	193	118	209	134	225	150	241	165	256	182	273	198	289	214	305	230	321	246	337	-	-	-	-
ø32	167	281	188	302	209	323	231	345	253	367	275	389	297	411	318	432	340	454	361	475	534	583	642	690
ø40	236	379	263	406	290	433	316	459	342	485	369	512	396	539	422	565	449	592	475	618	702	751	834	883
ø50	-	-	425	619	467	661	510	704	553	747	594	788	636	830	678	872	720	914	762	956	1109	1166	1319	1376
ø63	-	-	617	896	672	951	727	1006	782	1061	838	1117	893	1172	948	1227	1003	1282	1058	1337	1548	1612	1823	1887
ø80	-	-	1101	1514	1188	1601	1274	1687	1361	1774	1448	1861	1535	1948	1621	2034	1708	2121	1794	2207	2574	2640	3006	3072
ø100	-	-	1660	2227	1774	2341	1888	2455	2002	2569	2115	2682	2229	2796	2343	2910	2457	3024	2571	3138	3636	3708	4206	4278

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.

Specifications for rechargeable battery (catalog No. CC-1226A)

- Design compatible with rechargeable battery manufacturing process

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