

SSD2-O Series

How to order

No switch (without magnet for switch)

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

With switch (built-in magnet for switch)

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

Model: Compact cylinder double acting/low 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-O		Double acting/single rod															
SSD2-OL		Double acting/single 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 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-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*		●	1-color LED (PNP output)		3-wire	●	●	●	●	●	●	●	●	●	●	
T3H*	T3V*		●				●	●	●	●	●	●	●	●	●	●	
T3PH*	T3PV*	Proximity				●	2-color LED	2-wire	●	●		●	●	●	●	●	●
T2WH*	T2WV*				●	●			●	●	●	●	●	●	●	●	●
T2YH*	T2YV*			●	2-color LED	3-wire		●	●		●	●	●	●	●	●	●
T3WH*	T3WV*			●				●	●	●	●	●	●	●	●	●	●
T3YH*	T3YV*		●	2-color LED for AC magnetic field		2-wire			●	●	●	●	●	●	●	●	
T2YD*	-		●				●	●	●	●	●	●	●	●	●	●	
T2YDT*	-		●		1-color LED off-delay	2-wire			●	●	●	●	●	●	●	●	
T2JH*	T2JV*		●				●	●	●	●	●	●	●	●	●	●	
* 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]

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 858 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 for the min. stroke with mounting bracket LB.

How to order switch



Switch model No.
(Item ㊦ on page 860)

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.

Dimensions

Same as SSD2 Series (double acting/single rod). Refer to pages 760 to 766.

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