How to order

No switch (without magnet for switch)

SSD2-M - 12 ○ - 5 ──── N - LB - I

With switch (built-in magnet for switch)

SSD2-ML - 12 ○ - 5 - T0H - R - N - LB - I

Ⓐ Model No.

Ⓑ Bore size

Ⓒ Port thread

Ⓓ Stroke

Ⓔ Switch model No.
*1
*2
*3
*8
*9

Ⓕ Switch quantity

Ⓖ Option *4

Ⓗ Mounting bracket
*5
*6

Ⓘ Accessory
*7

⚠ 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 917, 919, 921 and 922. 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-ML-12-5-T0H-R-N-LB-I

Model: Compact cylinder rotation-stop
Ⓑ Bore size : ø12 mm
Ⓒ Port thread : Rc thread
Ⓓ Stroke : 5 mm
Ⓔ Switch model No. : Reed T0H switch
Ⓕ Switch quantity : 1 on rod side
Ⓖ Option : Rod end male thread
Ⓗ Mounting bracket : Axial foot
Ⓘ Accessory : Rod eye

CKD

Code	Description									
Ⓐ Model No.										
SSD2-M	Double acting/rotation-stop									
SSD2-ML	Double acting/rotation-stop/with switch									
Ⓑ Bore size (mm)										
12	ø12									
16	ø16									
20	ø20									
25	ø25									
32	ø32									
40	ø40									
50	ø50									
63	ø63									

Ⓒ 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)

Ⓓ Stroke (mm)

Refer to the stroke table on the following page.

Ⓔ Switch model No.

Lead wire Straight	Lead wire L-shaped	Contact	Voltage AC	Voltage DC	Indicator	Lead wire	Bore size 12	16	20	25	32	40	50	63
-	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*			●	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*	Proximity	●		1-color LED	2-wire					●	●	●	●
T2H*	T2V*			●			●	●	●	●	●	●	●	●
T3H*	T3V*			●		3-wire			●	●	●	●	●	●
T3PH*	T3PV*			●	1-color LED (PNP output)				●	●	●	●	●	●
T2WH*	T2WV*			●	2-color LED	2-wire	●	●	●	●	●	●	●	●
T2YH*	T2YV*			●					●	●	●	●	●	●
T3WH*	T3WV*			●		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)	*11

Ⓕ Switch quantity

R	1 on rod side
H	1 on head side
D	2

Ⓖ Option

Blank	Rod end female thread
N	Rod end male thread
M *4	Piston rod material (stainless steel) (made to order (ø32 to ø63))

Ⓗ 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

Ⓘ 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
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 910 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.

How to order switch

$$\boxed{SW} - \boxed{T0H}$$

Switch model No.
(Item Ⓔ on page 912)
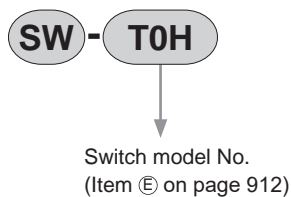
How to order mounting bracket

Bore size (mm) / Mounting bracket	ø12	ø16	ø20	ø25	ø32	ø40	ø50
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) / Mounting bracket	ø63
Foot (LB)	SSD2-LB-63
Flange (FA/FB)	SSD2-FA-63
Clevis bracket (CB)	SSD2-CB-63

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