

SSD2-Q Series

How to order

● No switch (without magnet for switch)

SSD2-Q - 20 - 10 - R - NMO - LB - I

● With switch (built-in magnet for switch)

SSD2-QL - 20 - 10 - R - T0H - R - NMO - LB - I

A Bore size

B Port thread

C Stroke

D Position locking mechanism

E Switch model No.

*1

*6

F Switch quantity

G Option

*2

⚠ Precautions for model No. selection

*1 : The F-switch can only be mounted on the piping port surface of bore sizes ø20 and ø25.

*2 : Only non-locking manual override unless "M0" or "M1" of G option is selected. A release bolt is not included.

*3 : The mounting bracket is included at shipment.

*4 : 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 847, 848, 850 and 851. 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.

*5 : "I" and "Y" cannot be selected together.

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

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

*8 : F-switch cannot be selected.

[Example of model No.]

SSD2-QL-20-10-R-T0H-R-N-LB-I

Model: Compact cylinder, position locking

A Bore size : ø20 mm

B Port thread : Rc thread

C Stroke : 10mm

D Position locking mechanism : With rod side position locking

E Switch model No. : Reed switch T0H, lead wire 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
*3
*4

I Accessory
*5

How to order switch

SW - T0H

Switch model No. (Item E above)

CKD

Code	Description
A Bore size (mm)	
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 Position locking mechanism	
R	With rod side position locking
H	With head side position locking

E Switch model No.																
Lead wire	Lead wire	Contact	Voltage		Indicator	Lead wire	Bore size									
Straight	L-shaped		AC	DC			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*			●	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*		●	●			●					●	●	●	●	
T3H*	T3V*		●	●			●						●	●	●	
T3PH*	T3PV*		●	1-color LED (PNP output)		3-wire	●	●					●	●	●	
T2WH*	T2WV*	Proximity		●	2-color LED	2-wire	●	●			●	●	●	●	●	
T2YH*	T2YV*			●			●	●						●	●	●
T3WH*	T3WV*			●			●	●							●	●
T3YH*	T3YV*			●		●	●	3-wire	●	●					●	●
T2YD*	-			●	2-color LED for AC magnetic field	2-wire	●	●						●	●	
T2YDT*	-			●			●	●							●	●
T2JH*	T2JV*		●	1-color LED off-delay	2-wire	●	●						●	●		

* 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
M0	Non-locking manual override (with release bolt)
M1	Locking manual override
P4	Specifications for rechargeable battery (made to order)

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							
		ø20	ø25	ø32	ø40	ø50	ø63	ø80	ø100
Standard stroke	10	●	●	●	●	●	●		
	15	●	●	●	●	●	●		
	20	●	●	●	●	●	●		
	25	●	●	●	●	●	●	●	●
	50	●	●	●	●	●	●	●	●
	75	●	●	●	●	●	●	●	●
	100	●	●	●	●	●	●	●	●
Min. stroke (mm)		10						25	
Max. stroke (mm)		100							

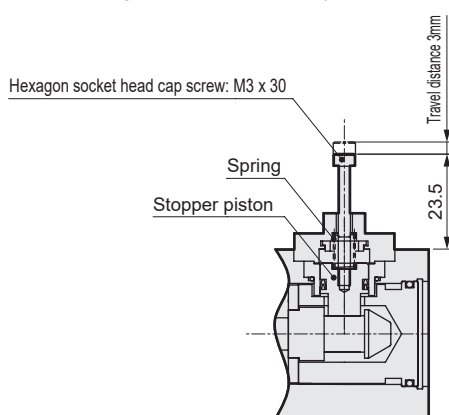
How to order mounting bracket

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

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

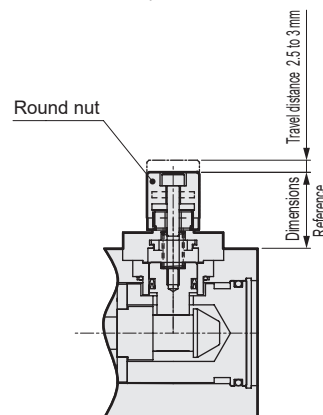
[Explanation of manual override]

● Non-locking manual override (option code: M0)



By screwing the hexagon socket head cap screw (M3 x 30) into the stopper piston and pulling the bolt with force of 20 N or more, the stopper piston moves and the lock is released. (Perform when horizontally installed with no load or when the opposite side port is pressurized)
When you release the bolt, the stopper piston is returned to the original position and engaged in the groove, and the piston is locked.

● Locking manual override (option code: M1)



By rotating the round nut leftward (counterclockwise), the stopper piston moves and the lock is released. Locking the round nut by rotating it to the right (clockwise) causes the stopper piston to return. When it fits into the lock groove, the piston is locked. Screw in the round nut fully, since the cylinder may be damaged if the stopper piston is not securely locked in the groove.