

# SSD2-KU Series

## How to order

No switch (without magnet for switch)

SSD2-KU-20-10-N-LB-I

With switch (built-in magnet for switch)

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

A Bore size

B Port thread

C Stroke

D Switch model No.

\*1

\*6

\*8

E Switch quantity

F Option

\*2

G Mounting bracket

\*3

\*4

## 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 : Piston rod of ø20 and ø25 is stainless steel as standard. C-snap ring is stainless steel instead of steel. The rod end male thread nut is stainless steel.

\*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 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.

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

\*6 : The F-switch with L lead wire on ø20 models cannot be selected on strokes 10 mm or under.

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

\*8 : Switches are shipped with the product. Contact CKD if assembling before shipment is necessary.

\*9 : F-switch cannot be selected.

## [Example of model No.]

### SSD2-KUL-20-10-T0H-R-N

Model: Compact cylinder, high load/low friction

A Bore size : ø20 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

\*5

Code	Description
<b>A Bore size (mm)</b>	
20	ø20
25	ø25
32	ø32
40	ø40
50	ø50
63	ø63
80	ø80
100	ø100

<b>B Port thread</b>	
Blank	Rc thread
NN	NPT thread (ø32 and over) (made-to-order product)
GN	G thread (ø32 and over) (made-to-order product)

<b>C Stroke (mm)</b>	
Refer to the stroke table on the following page.	

D Switch model No.															
Lead wire	Lead wire	Contact	Voltage		Indicator	Lead	Bore size								
Straight	L-shaped		AC	DC		wire	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		●	●	●	●	●	●	●	●	
T5H*	T5V*		●	●	No indicator lamp	2-wire	●	●	●	●	●	●	●	●	
T8H*	T8V*		●	●	1-color LED					●	●	●	●	●	
T1H*	T1V*	Proximity	●		1-color LED		●	●	●	●	●	●	●	●	
T2H*	T2V*			●		2-wire	●	●	●	●	●	●	●	●	●
T3H*	T3V*			●			●	●	●	●	●	●	●	●	●
T3PH*	T3PV*			●		1-color LED (PNP output)	3-wire	●	●	●	●	●	●	●	●
T2WH*	T2WV*			●	2-color LED		●	●	●	●	●	●	●	●	
T2YH*	T2YV*			●		2-wire	●	●	●	●	●	●	●	●	●
T3WH*	T3WV*			●			●	●	●	●	●	●	●	●	●
T3YH*	T3YV*			●		3-wire	●	●	●	●	●	●	●	●	●
T2YD*	-			●		2-color LED		●	●	●	●	●	●	●	●
T2YDT*	-			●			for AC magnetic field	2-wire	●	●	●	●	●	●	●
T2JH*	T2JV*		●	1-color LED off-delay	2-wire	●	●	●	●	●	●	●	●	●	

<b>* Lead wire length</b>	
Blank	1 m (standard)
3	3 m (option)
5	5 m (option)

<b>E Switch quantity</b>	
R	1 on rod side
H	1 on head side
D	2

<b>F Option</b>	
Blank	Rod end female thread
N	Rod end male thread
M *2	Piston rod material (stainless steel)

<b>G Mounting bracket</b>	
Blank	Without mounting bracket
LB	Axial foot
CB	Clevis bracket (pin and snap ring included)
FA	Rod side flange
FB	Head side flange

<b>H Accessory (available when rod end male thread "N" is selected)</b>	
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	5	●	●	●	●				
	10	●	●	●	●	●	●	●	●
	15	●	●	●	●	●	●	●	●
	20	●	●	●	●	●	●	●	●
	25	●	●	●	●	●	●	●	●
	30	●	●	●	●	●	●	●	●
	35	●	●	●	●	●	●	●	●
	40	●	●	●	●	●	●	●	●
	45	●	●	●	●	●	●	●	●
	50	●	●	●	●	●	●	●	●
	75			●	●	●	●	●	●
	100			●	●	●	●	●	●
Min. stroke (mm)		5							
Max. stroke (mm)		50		100					
Custom stroke *2		In 1 mm increments							

\*1: Less than 10 mm with the 2-color LED, off-delay, strong magnetic field proof, T1\* or T8\* switch is not available.

Refer to page 864 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 mounting bracket

Bore size (mm)	ø20	ø25	ø32	ø40	ø50	ø63	ø80	ø100
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	SSD2-LB-100
Flange (FA/FB)	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-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.

## Dimensions

Same as SSD2-K Series (double acting/high load). Refer to pages 782 to 790.

## Technical data

Refer to SCM-U Series on page 306 for technical data regarding sliding resistance values. SSD2-KU Series shows a similar trend to the data of "SCM-U Series".

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