

## How to order

No switch (built-in magnet for switch)

SCA2 — LB — 40 — B — 100 — S — I

With switch (built-in magnet for switch)

SCA2 — LB — 40 — B — 100 — T0H — R — S — I

With strong magnetic field proof (for H0, H0Y switches) switch (built-in magnet for switch)

SCA2-L2 — LB — 40 — B — 100 — H0Y — R — S — I

A Mounting  
\*1

B Bore size

C Port thread

D Cushion

E Stroke  
\*2  
\*3

F Switch model No.  
\*4

G Switch quantity  
\*6

H Option  
\*7  
\*8

I Accessory  
\*9

## ⚠ Precautions for model No. selection

\*1 : Mounting bracket will be shipped with the product. (Trunnion are assembled at shipment.)

\*2 : If the stroke exceeds the max. stroke, refer to Ending Page 69.

\*3 : The max. stroke available for ø63 to ø100 bore size models with bellows is 2000 mm.

\*4 : Switches are shipped with the product.

\*5 : Refer to pages 450 and 451 for the min. stroke with switch.

\*6 : When selecting TA, TD, TB or TE mounting, the switch quantity is limited to "H" (1 on head side) for TA and TD, and "R" (1 on rod side) for TB and TE.

\*7 : The max. available stroke is 2000 mm for models with bellows. (ø63 to ø100) The instantaneous max. temperature is the temperature when sparks and cutting chips, etc., instantaneously contact the bellows.

\*8 : When selecting TA, TD, TB or TE mounting format, the cushion needle position is blank and fixed at S, with no options available.

\*9 : "I" and "Y" cannot be selected together.

\*10: Refer to Ending Page 85 for custom specifications of rod end form.

\*11: Refer to page 448 for combinations of variations/options.

## [Example of model No.]

### SCA2-LB-40B-100-T0H-R-SI

Model: Medium bore size cylinder, double acting/single rod

- A Mounting : Axial foot
- B Bore size : ø40 mm
- C Port thread : Rc thread
- D Cushion : Both sides cushioned
- E Stroke : 100 mm
- F Switch model No. : Reed T0H switch, lead wire length 1 m
- G Switch quantity : 1 on rod side
- H Option : Cushion needle position S
- I Accessory : Rod eye

Code	Description
<b>A Mounting</b>	
00	Basic
LB	Axial foot
FA	Rod side flange
FB	Head side flange
FC	Head side special flange
CA	Eye bracket
CB	Clevis bracket (pin and snap ring included)
TC	Intermediate trunnion
TA	Rod side trunnion
TB	Head side trunnion
TF	Intermediate supporting hole trunnion (ø40 is not available)
TD	Rod side hole trunnion (ø40 is not available)
TE	Head side hole trunnion (ø40 is not available)

<b>B Bore size (mm)</b>	
40	ø40
50	ø50
63	ø63
80	ø80
100	ø100

<b>C Port thread</b>	
Blank	Rc thread
N	NPT thread (made-to-order product)
G	G thread (made-to-order product)

<b>D Cushion</b>	
B	Both sides cushioned
R	Rod side cushioned
H	Head side cushioned
N	Without cushion

<b>E Stroke (mm)</b>			
Bore size	Stroke *4	Available stroke	Custom stroke
ø40	1 to 600	1600	In 1 mm increments
ø50	1 to 600	2000	
ø63	1 to 600	2500	
ø80	1 to 700	2500	
ø100	1 to 800	2500	

<b>F Switch model No.</b>	
Refer to the switch model No. table on the following page.	
<b>* Lead wire length</b>	
Blank	1 m (standard)
3	3 m (option)
5	5 m (option)

<b>G Switch quantity</b>	
R	1 on rod side
H	1 on head side
D	2
T	3

<b>H Option</b>			
		Max. ambient temp.	Instantaneous max. temp.
J	Bellows	100°C	200°C
L	Bellows	250°C	400°C
M	Piston rod material (stainless steel)		
Blank	Cushion needle position R (standard)		
S	Cushion needle position S		
T	Cushion needle position T		
P6	Copper and PTFE free		

<b>I Accessory</b>	
I	Rod eye
Y	Rod clevis (pin and snap ring included)
B1	Eye bracket
B2	Clevis bracket (pin and snap ring included)
B3	Eye bracket
B4	Trunnion No. 2 bracket (2 pcs./set)

[F] Switch model No.

T-switch model No.						
Lead wire Straight	Lead wire L-shaped	Contact	Voltage		Indicator	Lead wire
			AC	DC		
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*		■	●		3-wire
T3H*	T3V*		■	●		2-wire
T2WH*	T2WV*		■	●	2-color LED	3-wire
T2YH*	T2YV*		■	●		
T3WH*	T3WV*		■	●		2-wire
T3YH*	T3YV*		■	●	1-color LED	3-wire
T3PH*	T3PV*		■	●		2-wire
T2YD*	-		■	●	AC magnetic field	2-wire
T2YDT*	-		■	●		
T2JH*	T2JV*		■	●	1-color LED off-delay	2-wire
H switch model No.						
HO*	-	Reed	●	●	Strong magnetic field proof	2-wire
HOY*	-		■	●	Strong magnetic field, 2-color LED	

## How to order switch

[T-switch]

● Switch body + mounting bracket set

SCA2 - T0H - 40

Switch model No.  
(Item (F))      Bore size  
(Item (B) on page 454)

● Switch body only

SW - T0H

Switch model No.  
(Item (F))

● Switch mounting bracket set

SCA2 - TS - 40

Mounting bracket      Bore size  
(Item (B) on page 454)

\* Contact CKD when using an  
environment-friendly T-switch.

[H switch]

● Switch body + mounting bracket set

SCA2-L2 - H0 - 40

Switch model No.  
(Item (F))      Bore size  
(Item (B) on page 454)

● Switch body only

SW - H0

Switch model No.  
(Item (F))

● Mounting bracket set

SCA2-L2 - H - 40

Bore size  
(Item (B) on page 454)

[T2YD switch]

● Switch body + mounting bracket set

SCA2 - T2YD - 40

Switch model No.  
(Item (F))      Bore size  
(Item (B) on page 454)

● Switch body only

SW - T2YD

Switch model No.  
(Item (F))

● Mounting bracket set

SCA2 - T - 40

Bore size  
(Item (B) on page 454)

## How to order mounting bracket

Bore size (mm)		ø40	ø50	ø63	ø80	ø100
Mounting bracket						
Foot (LB)	*2	S1-LB-40	S1-LB-50	S1-LB-63	S1-LB-80	S1-LB-100
Flange (FA/FB)		S1-FA-40	S1-FA-50	S1-FA-63	S1-FA-80	S1-FA-100
Eye bracket (CA)		S1-CA-40	S1-CA-50	S1-CA-63	S1-CA-80	S1-CA-100
Clevis bracket (CB)		S1-CB-40	S1-CB-50	S1-CB-63	S1-CB-80	S1-CB-100

\*1 : For material of the mounting bracket, refer to page 456.

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

\*3 : All mounting brackets are supplied with mounting bolts.

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