

How to order

No switch (built-in magnet for switch)

SCG-M - LB - 40 - B - 100 - J - I

With switch (built-in magnet for switch)

SCG-M - LB - 40 - B - 100 - T2H - R - J - I

Model No.

A Mounting
*1

B Bore size

C Port thread

D Cushion

E Stroke

F Switch model No.

G Switch quantity

*3

H Option

I Accessory

*4

⚠ Precautions for model No. selection

*1 : Mounting bracket will be shipped with the product.
(If the product is the trunnion (TA, TB or TC) with bellows and the mounting bracket is LB or FA, it will be included with the product.)

*2 : Refer to pages 412 and 413 for the min. stroke with switch.

*3 : When selecting TA or TB as mounting, the number of switches is limited to "H" (1 on head side) for TA, and "R" (1 on rod side) for TB.

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

[Example of model No.]

SCG-M-LB-40B-100-T2H-D-JI

Model No.: Tie rod cylinder, double acting/rotation-stop

- A Mounting : Axial foot
- B Bore size : ø40 mm
- C Port thread : Rc thread
- D Cushion : With air cushion
- E Stroke : 100 mm
- F Switch model No. : Proximity T2H switch, lead wire 1 m
- G Switch quantity : 2
- H Option : With bellows
- I Accessory : Rod eye (included product)

Code	Description
A Mounting	
00	Basic
LB	Axial foot
FA	Rod side flange
FB	Head side flange
CA	Eye bracket
CB	Clevis bracket (pin and split pin included)
TA	Rod side trunnion
TB	Head side trunnion
TC	Intermediate trunnion

B Bore size (mm)	
32	ø32
40	ø40
50	ø50
63	ø63

C Port thread	
Blank	Rc thread
N	NPT thread (made-to-order product)
G	G thread (made-to-order product)

D Cushion	
B	Two-sided air cushion (basic)
D	Two-sided rubber cushion

Note: The rubber cushion has a longer total length than the air cushion.

E Stroke (mm)		
Bore size	Stroke *2	Custom stroke
ø32	1 to 600	In 1 mm increments
ø40		
ø50		
ø63		

F Switch model No.						
Axial lead wire	Radial lead wire	Contact	Voltage		Indicator	Lead wire
			AC	DC		
TOH*	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*			●	1-color LED	3-wire
T3PH*	T3PV*			●		3-wire
T2WH*	T2WV*			●	2-color LED	2-wire
T2YH*	T2YV*			●		3-wire
T3WH*	T3WV*			●		
T3YH*	T3YV*			●		
T2YD*	-			●	2-color LED for AC magnetic field	2-wire
T2YDT*	-			●		2-wire
T2JH*	T2JV*			●	1-color LED off-delay	2-wire

* Lead wire length	
Blank	1 m (standard)
3	3 m (option)
5	5 m (option)

G Switch quantity	
R	1 on rod side
H	1 on head side
D	2
T	3

H Option			
		Max. ambient temp.	Instantaneous ambient temp
J	Bellows	100°C	200°C

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

How to order switch

- Switch body + mounting bracket set

SCG - T0H - 40

Switch model No.

(Item (F) on page 414)

Bore size

(Item (B) on page 414)

- Switch body only

SW - T0H

Switch model No.

(Item (F) on page 414)

- Switch mounting bracket set

SCG - T - 40

Mounting
bracket

Bore size

(Item (B) on page 414)

Note: Contact CKD when using
an environment-friendly
T-switch.

How to order mounting bracket

Bore size (mm)	ø32	ø40	ø50	ø63
Mounting bracket				
Foot (LB)	SCG-LB-32	SCG-LB-40	SCG-LB-50	SCG-LB-63
Flange (FA) (FB) *1	SCG-FA-32	SCG-FA-40	SCG-FA-50	SCG-FA-63
Eye bracket (CA)	SCG-CA-32	SCG-CA-40	SCG-CA-50	SCG-CA-63
Clevis bracket (CB)	SCG-CB-32	SCG-CB-40	SCG-CB-50	SCG-CB-63

*1: Specify the flange (FA) with bellows as "SCG-FA-(bore size)-J".

*2: The foot mounting bracket (LB) is provided as 2 pcs./set.

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

Theoretical thrust table

(Unit: N)

Bore size (mm)	Operating direction	Working pressure MPa											
		0.05	0.1	0.15	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
ø32	Push	—	80.4	1.21x10 ²	1.61x10 ²	2.41x10 ²	3.22x10 ²	4.02x10 ²	4.83x10 ²	5.63x10 ²	6.43x10 ²	7.24x10 ²	8.04x10 ²
	Pull	—	69.1	1.04x10 ²	1.38x10 ²	2.07x10 ²	2.76x10 ²	3.46x10 ²	4.15x10 ²	4.84x10 ²	5.53x10 ²	6.22x10 ²	6.91x10 ²
ø40	Push	—	1.26x10 ²	1.88x10 ²	2.51x10 ²	3.77x10 ²	5.03x10 ²	6.28x10 ²	7.54x10 ²	8.80x10 ²	1.01x10 ³	1.13x10 ³	1.26x10 ³
	Pull	—	1.06x10 ²	1.58x10 ²	2.11x10 ²	3.17x10 ²	4.22x10 ²	5.28x10 ²	6.33x10 ²	7.39x10 ²	8.44x10 ²	9.50x10 ²	1.06x10 ³
ø50	Push	—	1.96x10 ²	2.95x10 ²	3.93x10 ²	5.89x10 ²	7.85x10 ²	9.82x10 ²	1.18x10 ³	1.37x10 ³	1.57x10 ³	1.77x10 ³	1.96x10 ³
	Pull	—	1.65x10 ²	2.47x10 ²	3.30x10 ²	4.95x10 ²	6.60x10 ²	8.25x10 ²	9.90x10 ²	1.15x10 ³	1.32x10 ³	1.48x10 ³	1.65x10 ³
ø63	Push	1.56x10 ²	3.12x10 ²	4.68x10 ²	6.23x10 ²	9.35x10 ²	1.25x10 ³	1.56x10 ³	1.87x10 ³	2.18x10 ³	2.49x10 ³	2.81x10 ³	3.12x10 ³
	Pull	1.40x10 ²	2.80x10 ²	4.20x10 ²	5.61x10 ²	8.41x10 ²	1.12x10 ³	1.40x10 ³	1.68x10 ³	1.96x10 ³	2.24x10 ³	2.52x10 ³	2.80x10 ³