

How to order

No switch (built-in magnet for switch)

CMA2 - FA - 20 - 50 - P I

With switch (built-in magnet for switch)

CMA2 - FA - 20 - 50 - T0H - R - P I

A Mounting
*1

B Bore size

C Stroke

D Switch model No.

E Switch quantity

F Option
*3, *4

G Accessory
*5

⚠ Precautions for model No. selection

*1 : One side foot (LS) has the max. stroke of 50 mm.

*2 : Refer to page 208 for the min. stroke with switch.

*3 : The stroke will be 25 mm and over with bellows "J".
Contact CKD when stroke is shorter than 25 mm.

*4 : The instantaneous max. temperature is the temperature when sparks, cutting chips, etc., instantaneously contact the bellows.

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

[Example of model No.]

CMA2-FA-20-50-T0H-R-PI

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

- A** Mounting : Rod side flange
- B** Bore size : ø20 mm
- C** Stroke : 50 mm
- D** Switch model No. : Reed T0H switch, lead wire 1m
- E** Switch quantity : 1 on rod side
- F** Option : Same port position
- G** Accessory : Rod eye

Code	Description
A Mounting	
00	Basic
LB	Axial foot (Both sides)
LS	Axial foot (One side)
FA	Rod side flange
FB	Head side flange
CA	Eye bracket
CB	Clevis bracket (pin and washer included)
TA	Rod side trunnion
TB	Head side trunnion

B Bore size (mm)	
20	ø20
30	ø30
40	ø40

C Stroke (mm)			
Bore size	Stroke *2	Available stroke	Custom stroke
ø20	1 to 700	1000	In 1 mm increments
ø30	1 to 700	1200	
ø40	1 to 700	1500	

D Switch model No.			
Refer to the switch model No. table on the following page.			

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

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

F Option			
		Max. ambient temp.	Instantaneous max. temp.
J	Bellows	100°C	200°C
L	Bellows	250°C	400°C
M	Piston rod material (stainless steel)		
P	Same port position		
P6	Copper and PTFE free		

G Accessory	
I	Rod eye
Y	Rod clevis (with pin and washer included)
B2	Clevis bracket (pin and snap ring included)

[D] Switch model No.

T-switch						
Axial lead wire	Radial lead wire	Contact	Voltage		Indicator	Lead wire
			AC	DC		
TOH*	TOV*	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*			●		
T3PH*	T3PV*			●	1-color LED	3-wire
T2WH*	T2WV*			●	2-color LED	2-wire
T2YH*	T2YV*			●		3-wire
T3WH*	T3WV*			●		
T3YH*	T3YV*			●		
T2JH*	T2JV*			●	Off-delay	2-wire

How to order switch

[T-switch]

● Switch body + mounting bracket set

CMA2 - T0H - 40

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Switch model No.
(Item ①)

↓

Bore size
(Item ② on page 210)

● Switch body only

SW - T0H

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Switch model No.
(Item ①)

● Mounting bracket set

CMA2 - T - 40

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Mounting bracket

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Bore size (Item ② on page 210)

How to order mounting bracket

Bore size (mm)		ø20	ø30	ø40
Mounting bracket				
Basic (00)	*3	M1-00-20	M1-00-30	M1-00-30
Axial foot (LB/LS)		M1-LB-20	M1-LB-30	M1-LB-30
Flange (FA/FB)		M1-FA-20	M1-FA-30	M1-FA-30
Eye bracket (CA)		M1-CA-20	M1-CA-30	M1-CA-30
Clevis bracket (CB)		M1-CB-20	M1-CB-30	M1-CB-30
Trunnion (TA/TB)		M1-TA-20	M1-TA-30	M1-TA-40

*1 : The mounting bracket model numbers above include tightening nut, toothed washer and parallel pin set.

*2 : For axial foot (two-sided), 2 sets of "MI-LB-***" are required.

*3 : Mounting nut, toothed washer only. Although 1 set is included with the basic of the product (00), use this when needed.