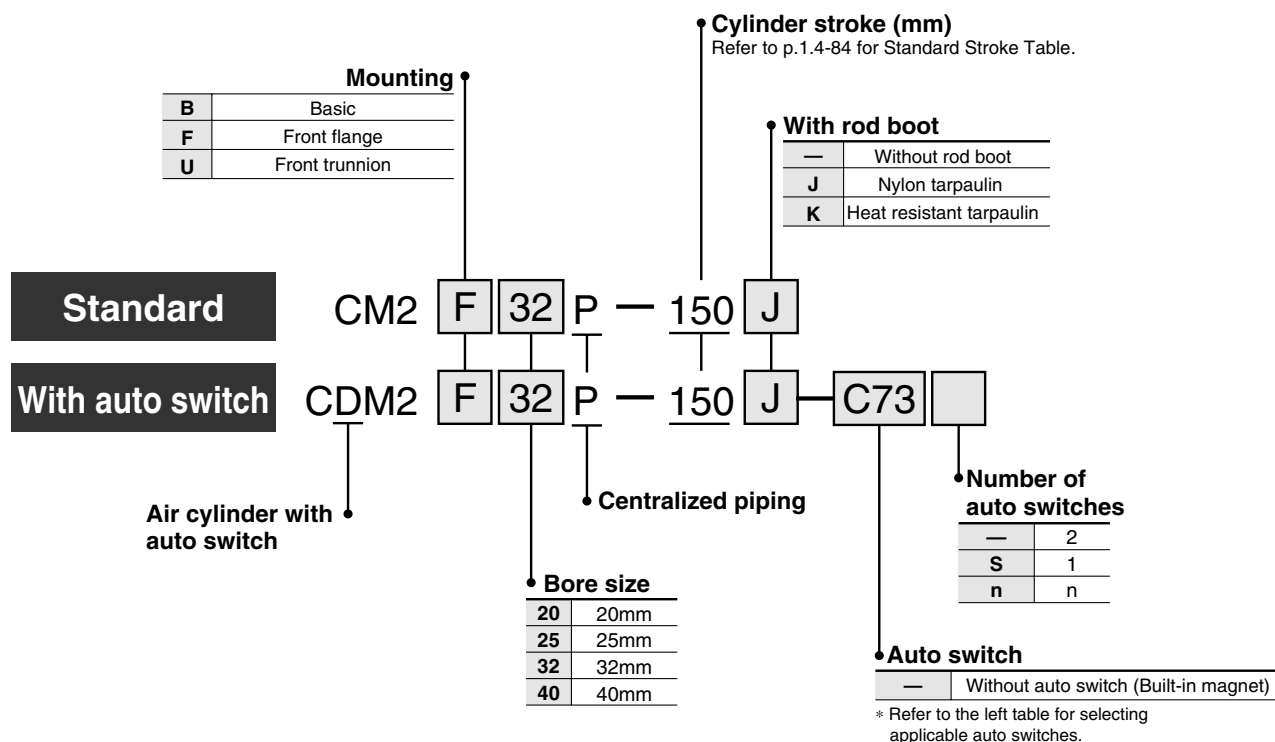


Centralized Piping: Double Acting Single Rod

Series **CM2** **P**

ø20, ø25, ø32, ø40

How to Order



Applicable Auto Switches/Refer to p.5.3-2 for further information on auto switches.

Style	Special function	Electrical entry	Indicator	Wiring (Output)	Load voltage		Auto switch model	Lead wire* (m)				Applicable load	
					DC	AC		0.5 (—)	3 (L)	5 (Z)	None (N)		
Reed switch	—	Grommet	Yes	3 wire (NPN)	—	5V	C76	●	●	—	—	IC	—
					—	12V	C73	●	●	●	—	—	Relay PLC
			No	2 wire	5V, 12V	100V or less	C80	●	●	—	—	IC	—
					12V	—	B53	●	●	●	—	—	PLC
		Connector	Yes	2 wire	12V	100V, 200V	B54	●	●	●	—	—	—
					12V	200V or less	B64	●	●	—	—	—	Relay PLC
			No	2 wire	12V	—	C73C	●	●	●	●	—	—
					5V, 12V	24V or less	C80C	●	●	●	●	IC	—
	Diagnostic indicator(2 colour)	Grommet	Yes	—	—	—	B59W	●	●	—	—	—	Relay PLC
Solid state switch	—	Grommet	—	3 wire(NPN)	5V, 12V	—	H7A1	●	●	○	—	IC	Relay PLC
				3 wire(PNP)	—	—	H7A2	●	●	○	—	—	
		Connector	—	2 wire	12V	—	H7B	●	●	○	—	—	
				2 wire	—	—	H7C	●	●	●	●	—	
	Diagnostic indicator (2 colour)	Grommet	Yes	3 wire(NPN)	5V, 12V	—	H7NW	●	●	○	—	IC	
				3 wire(PNP)	—	—	H7PW	●	●	○	—	—	
	Water resistant(2 colour)	Grommet	—	2 wire	12V	—	H7BW	●	●	○	—	—	
				2 wire	—	—	H7BA	—	●	○	—	—	
	With timer	Grommet	—	3 wire(NPN)	—	—	G5NT	—	●	○	—	—	
	With diagnostic output(2 colour)			4 wire (NPN)	5V, 12V	—	H7NF	●	●	○	—	IC	
	Latch with diagnostic output (2 colour)			—	—	—	H7LF	●	●	○	—	—	
	—			—	—	—	—	—	—	—	—	—	



* Lead wire length

0.5m : —
3m : L
5m : Z
None: N

e.g.) C80CZ, C80CN

* Solid state switches marked with "○" are manufactured upon receipt of order.

Centralized Piping: Double Acting Single Rod *Series CM2□P*

A cylinder in which two piping ports are provided in the head cover, enabling pipes to be connected only in the axial direction.



Specifications

Bore size (mm)	20	25	32	40
Action	Double acting/Single rod			
Fluid	Air			
Proof pressure	1.5MPa			
Max. operating pressure	1.0MPa			
Min. operating pressure	0.05MPa			
Ambient and fluid temperature	Without auto switch: -10 to +70°C (No freezing) With auto switch: -10 to +60°C (No freezing)			
Lubrication	Non-lube			
Thread tolerance	JIS class 2			
Stroke tolerance	+1.4 0			
Piston speed	Rubber bumper			
Cushion	50 to 700 mm/s	50 to 650 mm/s	50 to 590 mm/s	50 to 240 mm/s
Allowable kinetic energy	0.27J	0.4J	0.65J	1.2J

Standard Stroke

Bore size (mm)	Standard stroke (mm) ⁽¹⁾	Long stroke ⁽²⁾ (mm)
20	25, 50, 75, 100, 125, 150 200, 250, 300	400
25		450
32		450
40		500

Note 1) Other intermediate strokes can be manufactured upon receipt of order.

Note 2) Long stroke applies to the front flange style. If other mounting brackets are used or the application exceeds the long stroke limit, the maximum stroke is determined based on the stroke selection table in technical data.

Mounting Accessories

Accessories	Standard		Option		
	Mounting nut	Rod end nut	Single knuckle joint	Double knuckle joint (with pins) *	Rod boot
Basic	● (1pc.)	●	●	●	●
Front flange	● (1pc.)	●	●	●	●
Front trunnion	● (1pc.)	●	●	●	●

* Pins and snap rings (cotter pins for ø40) are attached.

Mounting Bracket Part No.

Bore size (mm)	20	25	32	40
Flange	CM-F020B	CM-F032B	CM-F040B	
Trunnion (with nuts)	CM-T020B	CM-T032B	CM-T040B	

Auto Switch Mounting Bracket Part No.

Auto switch model	Bore size (mm)			
	20	25	32	40
D-C7/C8 D-H7□	BM2-020	BM2-025	BM2-032	BM2-040
D-B5/B6 D-G5NTL	BA2-020	BA2-025	BA2-032	BA2-040



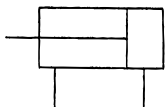
Note) A set of following stainless steel mounting screws is attached. (A switch mounting band is not attached. Please order the band separately.)

BBA4: D-C7/C8/H7

· "D-H7BAL" switch is set on the cylinder with the screws above when shipped.
When a switch only is shipped, "BBA4" screws are attached.

JIS symbol

Double acting/Single rod



Precautions

Be sure to read before handling. Refer to p.0-39 to 0-43 for Safety Instructions and common precautions and refer to p.1.4-5 for those on CM2 series.

CJ1

CJP

CJ2

CM2

C85

C76

CG1

MB

MB1

CP95

C95

C92

CA1

CS1