

Cylinder with Lock

Double Acting, Single Rod

CNA2 Series

ø40, ø50, ø63, ø80, ø100

How to Order

CNA2 L 50 - 100 JN - D -

CDNA2 L 50 - 100 JN - D - M9BW -

With auto switch
(Built-in magnet)

Mounting

B	Basic
L	Axial foot
F	Rod flange
G	Head flange
C	Single clevis
D	Double clevis
T	Center trunnion

Cylinder tube material

Nil	Aluminum tube
F*	Steel tube

* Auto switches are not available with steel tube.

Bore size

40	40 mm
50	50 mm
63	63 mm
80	80 mm
100	100 mm

Thread type

Nil	Rc
TN	NPT
TF	G

Cylinder stroke (mm)
Refer to page 923 for standard stroke.

Locking direction

D	Both directions
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Auto switch

Nil	Without auto switch
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* For applicable auto switches, refer to the below table.

Made to Order
Refer to page for 923 details.

Number of auto switches

Nil	2 pcs.
S	1 pc.
n	"n" pcs.

With bellows/cushion

Bellows	Nil	None
	J	Nylon tarpaulin
Cushion	K	Heat resistant tarpaulin
	Nil	With double-side cushion
Cushion	N	Without cushion

* When the symbols are two or more, indicate them alphabetically.

Built-in Magnet Cylinder Model

If a built-in magnet cylinder without an auto switch is required, there is no need to enter the symbol for the auto switch.
(Example) CDNA2L40-100-D

Applicable Auto Switches/Refer to pages 1119 to 1245 for further information on auto switches.

Type	Special function	Electrical entry	Indicator light	Wiring (Output)	Load voltage		Auto switch model		Lead wire length (m)					Pre-wired connector	Applicable load						
					DC	AC	Tie-rod mounting	Band mounting	0.5 (Nil)	1 (M)	3 (L)	5 (Z)									
Solid state auto switch		Grommet	No	3-wire (NPN)	24 V	5 V, 12 V	—	M9N	●	●	●	○	○	IC circuit							
				3-wire (PNP)				G59	●	●	●	○	○								
		2-wire		M9P	●	●	●	○	○												
		—		G5P	●	●	●	○	○												
	Terminal conduit	Yes	Grommet	3-wire (NPN)	24 V	12 V	—	M9B	●	●	●	○	○	—							
				2-wire				K59	●	●	●	○	○								
	Diagnostic indication (2-color indicator)	Yes	Grommet	3-wire (NPN)	24 V	5 V, 12 V	—	G39C	●	●	●	○	○	IC circuit	Relay, PLC						
				3-wire (PNP)				G39	●	●	●	○	○								
				2-wire	K39C	●	●	●	○	○											
				—	M9NW	●	●	●	○	○											
Water resistant (2-color indicator)	No	Grommet	3-wire (NPN)	24 V	12 V	—	M9PW	●	●	●	○	○	—								
			3-wire (PNP)				G59W	●	●	●	○	○									
			2-wire	M9BW	●	●	●	○	○												
			—	K59W	●	●	●	○	○												
With diagnostic output (2-color indicator)	No	Grommet	4-wire (NPN)	24 V	5 V, 12 V	—	M9NA* ¹	—	○	○	○	○	—								
			2-wire (Non-polar)				M9PA* ¹	—	○	○	○	○									
Magnetic field resistant (2-color indicator)	No	Grommet	—	24 V	12 V	—	M9BA* ¹	—	○	○	○	○	—								
			—				G5BA* ¹	—	○	○	○	○									
Reed auto switch		Grommet	Yes	3-wire (NPN equivalent)	24 V	12 V	—	A96	—	●	●	●	—	IC circuit	—						
								A93	—	●	●	●	—	IC circuit							
								A90	—	●	●	●	—	—							
								A54	B54	●	—	●	●	—		—					
								A64	B64	●	—	●	●	—		—					
		Terminal conduit		Yes	Grommet	2-wire	24 V	12 V	—	A33C	A33	—	—	—	—	—	PLC				
										A34C	A34	—	—	—	—	—	—				
		DIN terminal		Yes	Grommet	2-wire	24 V	12 V	—	A44C	A44	—	—	—	—	—	Relay, PLC				
										Grommet	2-wire	24 V	12 V	—	A59W	B59W	●	—	●	—	—
															—	—	—	—	—	—	—

*1 Water resistant type auto switches can be mounted on the above models, but in such case SMC cannot guarantee water resistance.

Consult with SMC regarding water resistant types with the above model numbers.

* Lead wire length symbols: 0.5 m Nil (Example) M9NW
1 m M (Example) M9NW
3 m L (Example) M9NW
5 m Z (Example) M9NW

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

* Since there are other applicable auto switches than listed, refer to page 947 for details.

* For details about auto switches with pre-wired connector, refer to pages 1192 and 1193.

* The D-A9□/M9□□□/P3DWA□ auto switches are shipped together, (but not assembled). (Only auto switch mounting brackets are assembled at the time of shipment for the D-A9□/M9□□□.)