

Air Cylinder: With End Lock

CBJ2 Series

ø16



How to Order

CBJ2 **L** 16-**60**-**H** **N**

With auto switch

CDBJ2 **L** 16-**60**-**H** **N**-**M9BW** - **C**

With auto switch
(Built-in magnet)

1 Mounting

B	Basic
L	Axial foot
F	Rod flange
D	Double clevis**

*: Foot/Flange brackets are shipped together with the product, but not assembled.

**: Rod end lock only.

2 Cylinder standard stroke [mm]

Refer to "Standard Strokes" on page 135.

5 Auto switch

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

★ Enter the auto switch mounting type (A or B) even when a built-in magnet cylinder without an auto switch is required.

3 Lock position

H	Head end lock
R	Rod end lock

4 Manual release

N	Non-locking type
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6 Number of auto switches

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

7 Auto switch mounting bracket

*: This symbol is indicated when the D-A9□ or M9□ type auto switch is specified. This mounting bracket does not apply to other auto switches (D-C7□ and H7□, etc.) (Nil)

Built-in Magnet Cylinder Model

Suffix the symbol "A" (Rail mounting) or "B" (Band mounting) to the end of part number of cylinder with auto switch.

Example	Rail mounting	CDBJ2B16-45-HN-A
	Band mounting	CDBJ2B16-60-HN-B

*: For rail mounting, screws and nuts for 2 auto switches come with the rail.

*: Refer to page 148 for auto switch mounting brackets.

Applicable Auto Switches/Refer to pages 1575 to 1701 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	Band mounting		Rail mounting		0.5 (Nil)	1 (M)	3 (L)	5 (Z)	None (N)			
							Perpendicular	In-line	Perpendicular	In-line								
Solid state auto switch	—	Grommet	—	3-wire (NPN)	5 V, 12 V	—	M9NV	M9N	M9NV	M9N	●	●	●	○	○	IC circuit	Relay, PLC	
				3-wire (PNP)			M9PV	M9P	M9PV	M9P	●	●	●	○	○			
		Connector	—	2-wire	M9BV	M9B	M9BV	M9B	●	●	●	○	○	—				
				—	—	H7C	J79C	—	—	●	●	●	●		—			
	Diagnostic indication (2-color indicator)	Grommet	Yes	—	3-wire (NPN)	5 V, 12 V	—	M9NWX	M9NW	M9NWX	M9NW	●	●	●	○	○		IC circuit
					3-wire (PNP)			M9PWX	M9PW	M9PWX	M9PW	●	●	●	○	○		
	Water resistant (2-color indicator)	Grommet	—	—	2-wire	12 V	—	M9BWX	M9BW	M9BWX	M9BW	●	●	●	○	○		—
					3-wire (NPN)			M9NAV ^{*1}	M9NA ^{*1}	M9NAV ^{*1}	M9NA ^{*1}	○	○	●	○	○		
	With diagnostic output (2-color indicator)	Grommet	Yes	—	3-wire (PNP)	5 V, 12 V	—	M9PAV ^{*1}	M9PA ^{*1}	M9PAV ^{*1}	M9PA ^{*1}	○	○	●	○	○		IC circuit
					2-wire			M9BAV ^{*1}	M9BA ^{*1}	M9BAV ^{*1}	M9BA ^{*1}	○	○	○	○	○		
4-wire (NPN)					—			H7NF	—	F79F	●	—	●	○	○	○	IC circuit	
—					—			—	—	—	—	—	—	—	—	—		
Reed auto switch	—	Grommet	Yes	3-wire (NPN equivalent)	5 V	—	A96V	A96	A96V	A96	●	—	●	—	—	IC circuit	Relay, PLC	
							—	200 V	—	—	A72	A72H	●	—	●			—
		Connector	No	—	2-wire	24 V	12 V	—	A93V ^{*2}	A93	A93V ^{*2}	A93	●	●	●	—		—
									100 V or less	A90V	A90	A90V	A90	●	●	●		
		Grommet	Yes	—	—	—	24 V or less	—	C73C	A73C	—	—	●	—	●	●		—
									—	C80C	A80C	—	—	●	—	●		
Grommet	Yes	—	—	—	—	—	—	A79W	—	—	—	●	—	●	—			
							—	—	—	—	—	—	—	—		—	—	—

*1: Water resistant type auto switches can be mounted on the above models, but in such case SMC cannot guarantee water resistance. Please contact SMC regarding water resistant types with the above model numbers.

*2: 1 m type lead wire is only applicable to D-A93.

*: Lead wire length symbols: 0.5 m..... Nil (Example) M9NW
1 m..... M (Example) M9NWM
3 m..... L (Example) M9NWL
5 m..... Z (Example) M9NWZ
None..... N (Example) H7CN

*: Since there are other applicable auto switches than listed, refer to page 149 for details.

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

*: The D-A9□/M9□/A7□/A8□/F7□/J7□ auto switches are shipped together, (but not assembled). (However, when the D-A9□/M9□ types are selected, only auto switch mounting brackets are assembled before being shipped.)

*: When the D-A9□/M9□ types are mounted on a rail, order auto switch mounting brackets separately. Refer to page 148 for details.