

Air Cylinder: Standard Type Double Acting, Single Rod

CJ2 Series

ø6, ø10, ø16

RoHS



How to Order

CJ2 **B** 16 - **60** **A** **Z** - [] [] - []

With auto switch

CDJ2 **B** 16 - **60** **A** **Z** - [] [] - **M9BW** [] - **B** - []

With auto switch (Built-in magnet)

1 Mounting

B	Basic
E	Double-side bossed
D**	Double clevis
L	Single foot
M	Double foot
F	Rod flange
G	Head flange

- *: Foot/Flange brackets are shipped together with the product, but not assembled.
- *: Double clevis is only available for ø10 and ø16.
- ** : Refer to page 151-1 for the double clevis (with one-touch connecting pin).

8 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.

2 Bore size

6	6 mm
10	10 mm
16	16 mm

5 Head cover port location

Nil	Perpendicular to axis	
R	Axial	

- *: For double clevis, the product is perpendicular to the cylinder axis.
- *: For double-side bossed, the product is perpendicular to the cylinder axis.

9 Number of auto switches

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

3 Cylinder standard stroke [mm]

Refer to "Standard Strokes" on page 47.

6 Pivot bracket

Nil	None
N	Pivot bracket is shipped together with the product.

- *: Only for the double clevis type (ø10 and ø16)
- *: Pivot bracket is shipped together with the product, but not assembled.

10 Auto switch mounting type

A	Rail mounting
B	Band mounting

- *: For rail mounting, screws and nuts for 2 auto switches come with the rail.
- *: Refer to page 146 for auto switch mounting brackets.
- *: ø6: Band mounting only

4 Cushion

Nil	Rubber bumper
A	Air cushion

- *: ø6: Rubber bumper only

7 Rod end bracket

Nil	None
V	Single knuckle joint
W**	Double knuckle joint
T	Rod end cap (Flat type)
U	Rod end cap (Round type)

- *: Rod end bracket is shipped together with the product, but not assembled.
- *: Single/Double knuckle joint: ø10 and ø16 only
- ** : Refer to page 63 for the double knuckle joint (with one-touch connecting pin).

11 Made to Order

Refer to page 47 for details.

*: Refer to "Ordering Example of Cylinder Assembly" on page 47.

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)	3-wire (PNP)	5 V, 12 V	—	M9NV	M9N	M9NV	M9N	●	●	●	○	○	IC circuit	Relay, PLC	
							M9PV	M9P	M9PV	M9P	●	●	●	○	○			
		Connector	2-wire	12 V	—	M9BV	M9B	M9BV	M9B	●	●	●	○	○	—			
						—	H7C	J79C	—	●	—	●	—	○				—
	Diagnostic indication (2-color indicator)	Grommet	Yes	3-wire (NPN)	3-wire (PNP)	5 V, 12 V	—	M9NVV	M9NW	M9NVV	M9NW	●	●	●	○	○		
								M9PWW	M9PW	M9PWW	M9PW	●	●	●	○	○		
	Water resistant (2-color indicator)	Grommet	No	2-wire	3-wire (PNP)	5 V, 12 V	—	M9BWW	M9BW	M9BWW	M9BW	●	●	●	○	○		—
								M9NAV ^{*1}	M9NA ^{*1}	M9NAV ^{*1}	M9NA ^{*1}	○	○	○	○	○		
	With diagnostic output (2-color indicator)	Grommet	No	2-wire	3-wire (PNP)	12 V	—	M9PAV ^{*1}	M9PA ^{*1}	M9PAV ^{*1}	M9PA ^{*1}	○	○	○	○	○		IC circuit
								M9BAV ^{*1}	M9BA ^{*1}	M9BAV ^{*1}	M9BA ^{*1}	○	○	○	○	○		
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	100 V or less	A93V ^{*2}	A93	A93V ^{*2}	A93	●	●	●	—	—		IC circuit
								—	—	C73C	A73C	—	●	—	●	●		
	Diagnostic indication (2-color indicator)	Grommet	Yes	2-wire	24 V or less	—	—	C80C	A80C	—	●	—	●	●	—	IC circuit		
							—	—	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 5 m..... Z (Example) M9NWZ
 1 m..... M (Example) M9NWM None..... N (Example) H7CN
 3 m..... L (Example) M9NWL

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

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

*: The D-A9C/M9C/A7C/A8C/07C/07C auto switches are shipped together, but not assembled. (For band mounting, only the auto switch mounting brackets are assembled before shipment.)