

Smooth Cylinder

Double Acting, Single Rod

CJ2Y Series

ø10, ø16

RoHS

How to Order

CJ2Y B 16 - 60 □ Z - □ - □ - □

With auto switch

CDJ2Y B 16 - 60 □ Z - □ - □ - M9BW □ - B - □

With auto switch (Built-in magnet)

Smooth cylinder

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.

6 Rod end bracket

NII	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.

* A knuckle joint pin is not provided with the single knuckle joint.

** Refer to page 148 for the double knuckle joint (with one-touch connecting pin).



2 Bore size

10	10 mm
16	16 mm

3 Cylinder standard stroke (mm)

Refer to "Standard Strokes" on page 142.

4 Head cover port location

NII	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.

5 Pivot bracket

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

* Only for CJ2D (double clevis)

* Pivot bracket is shipped together with the product, but not assembled.

7 Auto switch

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

9 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 153 for auto switch mounting brackets.

8 Number of auto switches

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

10 Made to Order

Refer to page 142 for details.

* Refer to "Ordering Example of Cylinder Assembly" on page 142.

Applicable Auto Switches/Refer to pages 941 to 1067 for further information on auto switches.

Type	Special function	Electrical entry	Indicating 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 (NII)	1 (M)	3 (L)	5 (Z)			None (N)	
							Perpendicular	In-line	Perpendicular	In-line								
Solid state auto switch	—	Grommet	No	3-wire (NPN)	5 V, 12 V	—	M9NV	M9N	M9NV	M9N	●	●	●	○	○	IC circuit	Relay, PLC	
				3-wire (PNP)			M9PV	M9P	M9PV	M9P	●	●	●	○	○			
		2-wire		M9BV	M9B	M9BV	M9B	●	●	●	○	○	—					
		—		—	H7C	J79C	—	—	—	—	—	—						
	Diagnostic indication (2-color indicator)	Grommet	Yes	3-wire (NPN)	5 V, 12 V	—	M9NWV	M9NW	M9NWV	M9NW	●	●	●	○	○	IC circuit		
				3-wire (PNP)			M9PWV	M9PW	M9PWV	M9PW	●	●	●	○	○			
		2-wire		M9BWV	M9BW	M9BWV	M9BW	●	●	●	○	○	—					
		—		—	—	—	—	—	—	—	—	—						
Water resistant (2-color indicator)	Grommet	No	3-wire (NPN)	5 V, 12 V	—	M9NAV ^{R1}	M9NA ^{R1}	M9NAV ^{R1}	M9NA ^{R1}	○	○	●	○	○	IC circuit			
			3-wire (PNP)			M9PAV ^{R1}	M9PA ^{R1}	M9PAV ^{R1}	M9PA ^{R1}	○	○	●	○	○				
	2-wire		M9BAV ^{R1}	M9BA ^{R1}	M9BAV ^{R1}	M9BA ^{R1}	○	○	●	○	○	—						
	—		—	—	—	—	—	—	—	—	—							
Reed auto switch	—	Grommet	Yes	3-wire (NPN equivalent)	5 V	—	A96V	A96	A96V	A96	●	—	●	—	—	IC circuit	—	
				—			—	—	—	—	—	—	—	—	—			
		2-wire		—	200 V	—	—	A72	A72H	●	—	●	—	—	—			
		—		—	100 V	A93V ^{R2}	A93	A93V ^{R2}	A93	●	●	●	—	—				
	Diagnostic indication (2-color indicator)	Grommet	Yes	2-wire	24 V	12 V	100 V or less	A90V	A90	A90V	A90	●	—	●	—	—		IC circuit
				—			—	—	—	—	—	—	—	—	—			
		24 V or less		—	—	C73C	A73C	—	—	—	—	—	—	—				
		—		—	—	C80C	A80C	—	—	—	—	—	—					
—	—	—	—	—	—	—	—	A79W	—	—	—	—	—					

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

Please consult with 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 NII (Example) M9NV 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 154 for details.

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

* The D-A93/M93/A73/A80C/F73/J73 auto switches are shipped together, but not assembled. (For band mounting, only the auto switch mounting brackets are assembled before shipment.)

REA

REB

REC

Smooth

Low Speed

MQ

RHC

RZQ

D-□

-X□