

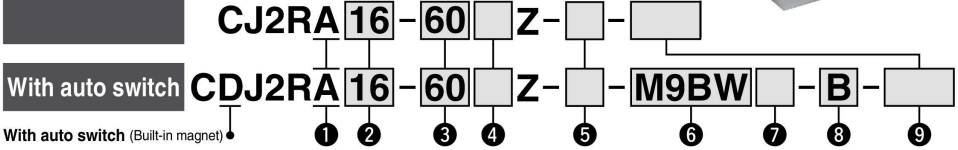
Air Cylinder: Direct Mount Type Double Acting, Single Rod

CJ2R Series

ø10, ø16



How to Order



1 Mounting

A	Bottom mounting
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2 Bore size

10	10 mm
16	16 mm

3 Cylinder standard stroke [mm]

Refer to "Standard Strokes" on page 120.

4 Head cover port location

Nil	Perpendicular to axis	
	Axial	

5 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.
**: Refer to page 63 for the double knuckle joint (with one-touch connecting pin).

6 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.

7 Number of auto switches

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

8 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 148 for auto switch mounting brackets.

9 Made to Order

Refer to page 120 for details.

*: Refer to "Ordering Example of Cylinder Assembly" on page 120.

Applicable Auto Switches/Refer to pages 1575 to 1701 for further information on auto switches.

Type	Special function	Electrical entry	Indication type	Wiring (Output)	Load voltage		Auto switch model				Lead wire length [m]					Pre-wired connector	Applicable load
					DC	AC	Band mounting		Rail mounting		0.5	1	3	5	None		
							Perpendicular	In-line	Perpendicular	In-line	(M)	(L)	(Z)	(N)			
Solid state auto switch	—	Grommet	—	3-wire (NPN)	5 V, 12 V	—	M9NV	M9N	M9NV	M9N	●	●	●	○	○	IC circuit	
				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	—	M9NVV	M9NW	M9NVV	M9NW	●	●	●	○	○	IC circuit	
				3-wire (PNP)			M9PVV	M9PW	M9PVV	M9PW	●	●	●	○	○		
		Connector	—	2-wire	M9BWW	M9BW	M9BWW	M9BW	●	●	●	○	○	—			
				—	H7C	J79C	—	●	●	●	○	○					
	Water resistant (2-color indicator)	Grommet	—	3-wire (NPN)	5 V, 12 V	—	M9NAV ^{*1}	M9NA ^{*1}	M9NAV ^{*1}	M9NA ^{*1}	○	○	●	○	○	IC circuit	
				3-wire (PNP)			M9PAV ^{*1}	M9PA ^{*1}	M9PAV ^{*1}	M9PA ^{*1}	○	○	●	○	○		
Connector		—	2-wire	M9BAV ^{*1}	M9BA ^{*1}	M9BAV ^{*1}	M9BA ^{*1}	○	○	●	○	○	—				
			4-wire (NPN)	—	H7NF	—	F79F	—	●	●	●	○		○			
Reed auto switch	—	Grommet	Yes	3-wire (NPN equivalent)	—	—	A96V	A96	A96V	A96	●	●	—	—	—	IC circuit	
							—	A72	A72H	—	●	●	—	—	—		
							100 V	A93V ^{*2}	A93	A93V ^{*2}	A93	●	●	●	—		—
							100 V or less	A90V	A90	A90V	A90	●	●	●	—		—
		Connector	No	2-wire	24 V	—	—	C73C	A73C	—	—	●	●	●	●	—	IC circuit
								C80C	A80C	—	—	●	●	●	●	—	
								24 V or less	—	A79W	—	●	●	●	●	—	
								—	—	—	—	●	●	●	●	—	

*1: Water resistant type auto switches can be mounted on the above models, but in such case SMC cannot guarantee water resistance.
*2: 1 m type lead wire is only applicable to D-A93.
*: Lead wire length symbols: 0.5 m..... Nil (Example) M9NV
1 m..... M (Example) M9NVV
3 m..... L (Example) M9NVL
5 m..... Z (Example) M9NVZ
*: Since there are other applicable auto switches than listed, refer to page 149 for details.
*: Solid state auto switches marked with "○" are produced upon receipt of order.
*: The D-A9□/M9□/A7□/A80□/F7□/J7□ auto switches are shipped together, but not assembled. (For band mounting, only auto switch mounting brackets are assembled before being shipped.)



- CJ1
- CJP
- CJ2**
- JCM
- CM2
- CM3
- CG1
- CG3
- JMB
- MB
- MB1
- CA2
- CS1
- CS2

- D-□
- X□
- Technical Data