

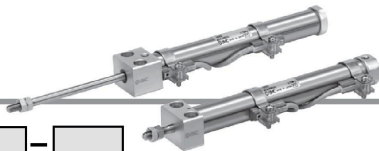
Air Cylinder: Direct Mount Type Single Acting, Spring Return/Extend

CJ2R Series

ø10, ø16

RoHS

How to Order



CJ2RA 16 - 45 S □ Z - □ - □

With auto switch

CDJ2RA 16 - 45 S □ Z - □ - M9BW □ - B - □

With auto switch (Built-in magnet)

1 Mounting

A	Bottom mounting
---	-----------------

2 Bore size

10	10 mm
16	16 mm

3 Cylinder standard stroke [mm]

Refer to "Standard Strokes" on page 124.

4 Action

S	Single acting, Spring return
T	Single acting, Spring extend

5 Head cover port location

Nil	Perpendicular to axis	
R	Axial	

*: Not applicable to single acting, spring extend (T).

6 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).

7 Auto switch

Nil	Without auto switch
-----	---------------------

*: 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.

8 Number of auto switches

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

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 148 for auto switch mounting brackets.

10 Made to Order

Refer to page 124 for details.

*: Refer to "Ordering Example of Cylinder Assembly" on page 124.

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

Type	Special function	Electrical entry	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 (None)	(Z)			(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					
			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	—	M9NWV	M9NW	M9NWV	M9NW	●	●	●	○	—	○	IC circuit				
			No	3-wire (PNP)			M9PWV	M9PW	M9PWV	M9PW	●	●	●	○	—	○					
	Water resistant (2-color indicator)	Grommet	No	3-wire (NPN)	5 V, 12 V	—	M9BWW	M9BW	M9BWW	M9BW	●	●	●	○	—	○	—				
				3-wire (PNP)			M9NAV ^{*1}	M9NA ^{*1}	M9NAV ^{*1}	M9NA ^{*1}	○	○	●	○	—	○					
	With diagnostic output (2-color indicator)	Grommet	No	2-wire	12 V	—	M9PAV ^{*1}	M9PA ^{*1}	M9PAV ^{*1}	M9PA ^{*1}	○	○	●	○	—	○	IC circuit				
				3-wire (NPN)			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				
							—	200 V	—	—	A72	A72H	●	—	●	—		—	—		
							—	100 V	A93V ^{*2}	A93	A93V ^{*2}	A93	●	●	●	—		—	—	—	
							—	100 V or less	A90V	A90	A90V	A90	●	—	●	—		—	—	—	
		Connector	No	Yes	2-wire	24 V	12 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.

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) M9NW
3 m..... L (Example) M9NL
5 m..... Z (Example) M9NZ
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 "○" are produced upon receipt of order.

*: The D-A9□/M9□/A7□/A8□/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