

Air Cylinder: Direct Mount, Non-rotating Rod Type Double Acting, Single Rod

CJ2RK Series

ø10, ø16



How to Order

CJ2RKA 16 - 60 □ Z - □ - □

With auto switch

CDJ2RKA 16 - 60 □ Z - □ - M9BW □ - B - □

With auto switch (Built-in magnet)*

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 128.

4 Head cover port location

Nil	Perpendicular to axis	
R	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 128 for details.

*: Refer to "Ordering Example of Cylinder Assembly" on page 128.

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 (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		
			3-wire (PNP)			M9PV	M9P	M9PV	M9P	●	●	○	○	○	—			
	Diagnostic indication (2-color indicator)	Connector	2-wire	12 V	—	M9BV	M9B	M9BV	M9B	●	●	○	○	○		—		
			—			H7C	J79C	—	●	●	○	○	—					
	Water resistant (2-color indicator)	Grommet	3-wire (NPN)	5 V, 12 V	—	M9NVV	M9NV	M9NVV	M9NV	●	●	○		○	○	IC circuit		
			3-wire (PNP)			M9PVV	M9PV	M9PVV	M9PV	●	●	○	○	○	—			
	With diagnostic output (2-color indicator)	Connector	2-wire	12 V	—	M9BWW	M9BW	M9BWW	M9BW	●	●	○	○	○		—		
			3-wire (NPN)			M9NAV ^{*1}	M9NA ^{*1}	M9NAV ^{*1}	M9NA ^{*1}	○	○	○	○	○	IC circuit			
	Reed auto switch	—	Grommet	3-wire (NPN equivalent)	5 V	—	M9PAV ^{*1}	M9PA ^{*1}	M9PAV ^{*1}	M9PA ^{*1}	○	○	○	○		○	IC circuit	
				2-wire			M9BAV ^{*1}	M9BA ^{*1}	M9BAV ^{*1}	M9BA ^{*1}	○	○	○	○	○	—		
—	—	Connector	2-wire	24 V	12 V	—	H7NF	—	F79F	●	●	○	○	○	IC circuit			
						A96V	A96	A96V	A96	●	—	●	—	—		—	—	
						—	—	A72	A72H	●	—	●	—	—		—		—
						—	200 V	—	—	●	—	●	—	—		—	—	
						—	100 V	A93V ^{*2}	A93	A93V ^{*2}	A93	●	●	●		●		—
						—	100 V or less	A90V	A90	A90V	A90	●	—	●		—	—	IC circuit
Diagnostic indication (2-color indicator)	Grommet	Yes	2-wire	24 V	24 V or less	—	C73C	A73C	—	●	—	●	—	—	—			
						—	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
1 m..... M (Example) M9NWM
3 m..... L (Example) M9NWL
5 m..... Z (Example) M9NZZ
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