

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

CJ2K Series

ø10, ø16



How to Order



CJ2K **B** **16** - **60** **Z** - **1** **1** - **1**

With auto switch

CDJ2K **B** **16** - **60** **Z** - **1** **1** - **M9BW** **1** - **B** - **1**

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.

**: Refer to page 151-1 for the double clevis (with one-touch connecting pin).

7 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

10	10 mm
16	16 mm

4 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.

8 Number of auto switches

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

3 Cylinder standard stroke [mm]

Refer to "Standard Strokes" on page 89.

5 Pivot bracket

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

*: Only for the double clevis type
*: Pivot bracket is shipped together with the product, but not assembled.

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).

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 89 for details.

*: Refer to "Ordering Example of Cylinder Assembly" on page 89.

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)	5 V, 12 V	—	M9NV	M9N	M9NV	M9N	●	●	●	○	○	IC circuit	Relay, PLC	
				3-wire (PNP)			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)	5 V, 12 V	—	M9NV	M9NV	M9NV	M9NV	●	●	●	○	○		IC circuit
					3-wire (PNP)			M9PV	M9PV	M9PV	M9PV	●	●	●	○	○		
		Connector	—	—	2-wire	12 V	—	M9BW	M9B	M9BW	M9B	●	●	●	○	○		—
					3-wire (NPN)	M9NAV ^{*1}	M9NA ^{*1}	M9NAV ^{*1}	M9NA ^{*1}	○	○	○	○	○	IC circuit			
Water resistant (2-color indicator)	Grommet	—	—	3-wire (NPN)	5 V, 12 V	—	M9PAV ^{*1}	M9PA ^{*1}	M9PAV ^{*1}	M9PA ^{*1}	○	○	○	○		○	IC circuit	
				3-wire (PNP)			M9PAV ^{*1}	M9PA ^{*1}	M9PAV ^{*1}	M9PA ^{*1}	○	○	○	○	○			
With diagnostic output (2-color indicator)	Grommet	Yes	—	2-wire	12 V	—	M9BAV ^{*1}	M9BA ^{*1}	M9BAV ^{*1}	M9BA ^{*1}	○	○	●	○	○	IC circuit		
				4-wire (NPN)			5 V, 12 V	—	H7NF	—	F79F	●	—	●	○		○	
Reed auto switch	—	Grommet	Yes	3-wire (NPN equivalent)	5 V	—	A96V	A96	A96V	A96	●	—	—	—	—	IC circuit	—	
							—	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	—	—	—	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) 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, refer to page 149 for details.

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

*: The D-A9J/M9C/A7C/A8C/F7J/J7C auto switches are shipped together, but not assembled. (For band mounting, only auto switch mounting brackets are assembled before being shipped.)