

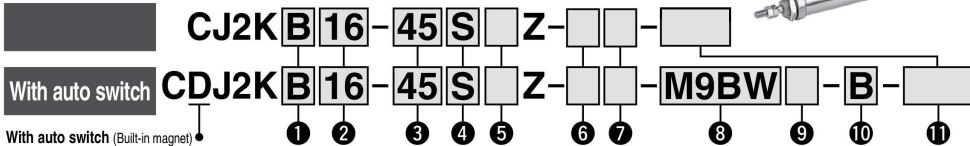
Air Cylinder: Non-rotating Rod Type Single Acting, Spring Return/Extend

CJ2K Series

ø10, ø16

RoHS

How to Order



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).

2 Bore size

3 Cylinder standard stroke [mm]

10	10 mm
16	16 mm

4 Action

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

5 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.
*: Not applicable to single acting, spring extend (T).

6 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.

7 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).

8 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.

9 Number of auto switches

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

10 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.

11 Made to Order

Refer to page 96 for details.

*: Refer to "Ordering Example of Cylinder Assembly" on page 96.

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 (Nil)	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	●	●	●	○	○							
		Connector	Yes	2-wire	12 V	—	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)			M9PWW	M9PW	M9PWW	M9PW	●	●	●	○	○	IC circuit						
	Water resistant (2-color indicator)	Grommet	No	2-wire	12 V	—	M9BWW	M9BW	M9BWW	M9BW	●	●	●	○	○	—						
				3-wire (NPN)	M9NAV ^{#1}	M9NA ^{#1}	M9NAV ^{#1}	M9NA ^{#1}	○	○	●	○	○	IC circuit								
	With diagnostic output (2-color indicator)	Grommet	Yes	3-wire (PNP)	5 V, 12 V	—	M9PAV ^{#1}	M9PA ^{#1}	M9PAV ^{#1}	M9PA ^{#1}	○	○	●	○	○	IC circuit						
				2-wire			M9BAV ^{#1}	M9BA ^{#1}	M9BAV ^{#1}	M9BA ^{#1}	○	○	●	○	○	—						
Reed auto switch	—	Grommet	Yes	3-wire (NPN equivalent)	—	5 V	A96V	A96	A96V	A96	●	●	—	—	—	IC circuit	Relay, PLC					
							—	—	A72	A72H	—	●	●	—	—	—						
							—	—	A93V ^{#2}	A93	A93V ^{#2}	A93	●	●	●	—		—				
							—	—	100 V or less	A90V	A90	A90V	A90	●	●	●		—	—			
							—	—	12 V	—	C73C	A73C	—	●	—	●		●	—	IC circuit		
		Connector	No	2-wire	24 V	—	—	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.

*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) M9NVW
3 m..... L (Example) M9NWL

5 m..... Z (Example) M9NWZ
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