

Valve Mounted Cylinder

Double Acting, Single Rod

CVJ5 Series

∅10, ∅16

How to Order

Mounting type

B	Basic type
L	Axial foot type
F	Rod side flange type

Bore size

∅10	15, 30, 45, 60
∅16	15, 30, 45, 60

Stroke (mm)

∅10	15, 30, 45, 60
∅16	15, 30, 45, 60

Electrical entry

G	Grommet
L	L plug connector
M	M plug connector

Light/Surge voltage suppressor

Nil	Without light/surge voltage suppressor
S	With surge voltage suppressor
Z	With light/surge voltage suppressor
R	With surge voltage suppressor (No polarity)
U	With light/surge voltage suppressor (No polarity)

* Type "R", "U": DC only
* In the case of AC, since the rectifier prevents the production of surge voltage, there is no type "S".

With auto switch **CVJ5 L 16 - 60 - 5 L -**

With auto switch (Built-in magnet) **CDVJ5 L 16 - 60 - 5 L - M9BW - C -**

Auto switch mounting bracket (Note)
Note) This symbol is indicated when the D-A9□ or M9□ type auto switch is specified. This mounting bracket does not apply to other auto switches (D-C7□ and H7□, etc.) (Nil)

Built-in Magnet Cylinder Model

S	24 VDC	1	100 VAC
6	12 VDC	2	200 VAC
V	6 VDC	3	110 VAC (115 VAC)
S	5 VDC	4	220 VAC (230 VAC)
R	3 VDC		

Suffix the symbol "A" (Rail mounting type) or "B" (Band mounting type) to the end of the w/ auto switch cylinder part number.

Example: Rail mounting type CDVJ5B16-60-A
Band mounting type CDVJ5B10-45-B

Auto switch
Magnet installed even without auto switch

Symbol	Auto switch mounting
A	Rail mounting type
B	Band mounting type

Number of auto switches

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

* For the applicable auto switch model, refer to the table below.

Made to Order
Refer to page 751 for details.

Applicable Auto Switches/Refer to pages 941 to 1067 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	Diagnostic indication (2-color indicator)	Grommet	No	3-wire (NPN)	24 V	5 V, 12 V	—	M9NV	M9N	F7NV	F79	●	●	○	○	○	IC circuit					
				3-wire (PNP)				M9PV	M9P	F7PV	F7P	●	●	○	○	○						
				2-wire				M9BV	M9B	F7BV	J79	●	●	○	○	○		—				
		Grommet	Yes	3-wire (NPN)				M9NVW	M9NW	H7C	J79C	●	●	○	○	IC circuit			Relay, PLC			
				3-wire (PNP)				M9PWV	M9PW	—	—	●	●	○	○					○		
				2-wire				M9BWW	M9BW	F7BWV	J79W	●	●	○	○			○				
	Water resistant (2-color indicator)	Grommet	No	3-wire (NPN)	24 V	5 V, 12 V	—	M9NAV ^{*1}	M9NA ^{*1}	—	—	○	○	●	○	○	IC circuit					
				3-wire (PNP)				M9PAV ^{*1}	M9PA ^{*1}	—	—	○	○	●	○	○						
				2-wire				M9BAV ^{*1}	M9BA ^{*1}	—	—	○	○	○	○	○		—				
				4-wire (NPN)				—	H7NF	—	F79F	●	●	○	○	○			IC circuit			
				Connector				Yes	3-wire (NPN equivalent)	—	A96V	A96	—	A76H	●	●				○	○	IC circuit
									2-wire	—	200 V	—	A72	A72H	●	●		○		○		
Reed auto switch	Diagnostic indication (2-color indicator)	Grommet	No	2-wire	24 V	12 V	100 V or less	A93V ^{*2}	A93	A73	A73H	●	●	○	○	IC circuit	Relay, PLC					
								A90V	A90	A80	A80H	●	●	○	○			○				
								—	C73C	A73C	—	●	●	○	○			○				
		Connector	Yes					24 V or less	—	C80C	A80C	—	—	●	●	○		○	IC circuit			
								—	—	—	A79W	—	—	●	●	○		○				
								—	—	—	—	—	—	—	●	●		○		○		

* Lead wire length symbols: 0.5 m..... Nil (Example) M9NW
1 m..... M (Example) M9NWM
3 m..... L (Example) M9NWL
5 m..... Z (Example) M9NWZ

* Since there are other applicable auto switches than listed, refer to page 759 for details.
* For details about auto switches with pre-wired connector, refer to pages 1014 and 1015.

* Solid state auto switches marked with "○" are produced upon receipt of order.
* D-A9□/M9□/A7□/A8□/F7□/J7□ auto switches are shipped together (not assembled). (For D-A9□/M9□, only auto switch mounting brackets are assembled before shipped).
* D-C7□/C80□/H7□ auto switches are assembled at the time of shipment.
* Order auto switch mounting brackets separately when D-A9□(V)/M9□(V)/M9□(W)/M9□(A) are mounted on ∅10 and ∅16 of the rail mounting type. Refer to page 759 for details.
* 1 Water resistant type auto switches can be mounted on the above models, but in this case SMC cannot guarantee water resistance. Consult with SMC regarding water resistant types with the above model numbers.
* 2 1 m type lead wire is only applicable to D-A93.