

Rotary Actuator with Solenoid Valve

CVRB1 Series

Size: 50, 63, 80, 100

How to Order

Rotary Actuator

Rotary **CDVRB1** **B** **W** **80** - **90** **S** - **M9B** **L** -

Auto switch

Nil	Basic type
D	With auto switch (With auto switch unit and built-in magnet)

Mounting

B	Basic
L	Foot

Size

50	
63	
80	
100	

Shaft type

W	Double shaft (Long shaft key & Four chamfers)
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Rotating angle

90	90°
100	100°
180	180°
190	190°
270	270°
280	280°

Vane type

S	Single vane
D	Double vane

Auto switch

Nil	Without auto switch (Built-in magnet)
M	Without D-M9 type auto switch (Built-in magnet)

Made to Order
For details, refer to pages 124 to 126, 133 and 134.

Number of auto switches

S	1 pc.*
Nil	2 pcs.**

* S: A right-hand auto switch is shipped.
** Nil: A right-hand switch and a left-hand switch are shipped.

Electrical entry/Lead wire length

Nil	Grommet/Lead wire: 0.5 m
M	Grommet/Lead wire: 1 m
L	Grommet/Lead wire: 3 m
CN	Connector/Without lead wire
CL	Connector/Lead wire: 0.5 m
CL	Connector/Lead wire: 3 m

* Connectors are available only for the R73, R80, T79.
** Lead wire with connector part nos.
D-LC05: Lead wire 0.5 m
D-LC30: Lead wire 3 m
D-LC50: Lead wire 5 m

How to Order (Example)

When ordering the rotary actuator with solenoid valve, CVRB1 series, specify the models of both the rotary and the valve (solenoid valve).

Note) For the valve, add * in front of the part number when ordering.

Example) CDVRB1BW80-90S-R73...1 pc.
*VZ5140-5LZ1 pc.

Solenoid Valve

Valve **VZ** **3** **1** **40** - **5** **L** - **X199**

Valve series

3	VZ3000 series	□ VVRB1BW50,63
5	VZ5000 series	□ VVRB1BW80,100

Type of actuation

1	2-position single solenoid
2	2-position double solenoid

Rated voltage

1	100 VAC 50/60 Hz
2	200 VAC 50/60 Hz
5	24 VDC

Electrical entry

G : Grommet Lead wire length: 300 mm	L : Plug connector With lead wire (Wire length: 300 mm)	M : Plug connector With lead wire (Wire length: 300 mm)	DIN terminal With connector
H : Lead wire length: 600 mm	LO : Without connector	MO : Without connector	DO : Without connector

Manual
For VZ3000 series only

Light/Surge voltage suppressor

Nil	Without light/surge voltage suppressor
S	With surge voltage suppressor
Z (Note)	With light/surge voltage suppressor

Note) GZ, HZ and DOZ are not available.

Applicable Auto Switches/Refer to pages 797 to 850 for further information on auto switches.

Type	Special function	Electrical entry	Indicator light	Wiring (Output)	Load voltage		Auto switch model		Lead wire type	Lead wire length [m]					Pre-wired connector	Applicable load
					DC	AC	Perpendicular	In-line		0.5 (Nil)	1 (M)	3 (L)	5 (Z)	None (N)		
Solid state auto switch	—	Grommet	Yes	3-wire (NPN)	5 V, 12 V	—	M9NV	M9N	Oilproof heavy-duty cord	●	●	●	○	○	IC circuit	
				3-wire (PNP)	12 V		M9PV	M9P		●	●	●	○	○		
				2-wire	12 V		M9BV	M9B		●	●	●	○	○		
				3-wire (NPN)	5 V, 12 V		—	S79		●	●	●	○	○		
				3-wire (PNP)	12 V		—	S7P		●	●	●	○	○		
		Connector	2-wire	12 V	—	T79	●	●		●	○	○	IC circuit			
Reed auto switch	—	Grommet Connector Grommet Connector Grommet Connector	No	2-wire	—	100 V	—	T79C	●	●	●	○		○	Relay, PLC	
					—	100 V	—	R73	●	●	●	○		○		
					—	100 V	—	R73C	●	●	●	○		○		
					48 V, 100 V	100 V	—	R80	●	●	●	○		○		
					—	24 V or less	—	R80C	●	●	●	○	○			

* Lead wire length symbols:
0.5 m Nil (Example) R73C
3 m L (Example) R73CL
5 m Z (Example) R73CZ
None N (Example) R73CN

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