Rotary Actuator
Vane Style
Series CRB1
Size: 50, 63, 80, 100

How to Order

Without auto switch CRB1 B W □ 80 – 90 S □ —— □

With auto switch CDRB1 B W □ 80 – 90 S □ – T79 L □ – □

With auto switch
(With auto switch unit and built-in magnet)
* Refer to page 141 when the auto switch unit is needed separately.

Size

50
63
80
100

Made to Order or Port thread type
Refer to pages 129 to 131, 138 and 139 for the details of Made to Order specifications.

Nil	Rc
-XF *	G
-XN *	NPT

* Combination with Made to Order is not available.

Mounting style

B	Basic style
L	Flange style

Refer to Table (1) below if only foot assembly is required separately.

Table (1): Foot Assembly Part No.

Model	Unit part no.
CRB1LW 50	P411020-5
CRB1LW 63	P411030-5
CRB1LW 80	P411040-5
CRB1LW100	P411050-5

Number of auto switches

S	1 pc. *
Nil	2 pcs. **

* S (1 auto switch) is shipped with a right-hand auto switch.
** Nil (2 auto switches) is shipped with a right-hand and a left-hand switch.

Electrical entry/Lead wire length

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

* Connectors are available only for auto switch types R73, R80 and 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

Shaft type

W	Double shaft (Long shaft key & Four chamfers)

Pattern

Nil	Option
P	Simple Specials/Made to Order

* For details, refer to pages 129 to 131, 138 and 139.

Rotating angle

Classification	Symbol	Single vane	Double vane
Standard	90	90°	90°
	180	180°	—
	270	270°	—
Option	100	100°	100°
	190	190°	—
	280	280°	—

Auto switch

Nil	Without auto switch (built-in magnet)

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

Connection port location

Nil	Side ported
E	Axial ported

Vane type

S	Single vane
D	Double vane

Applicable Auto Switches/Refer to pages 761 to 809 for further information on auto switches.

Type	Electrical entry	Indicator light	Wiring (Output)	Load voltage DC		Load voltage AC	Auto switch model	Lead wire length (m) * 0.5 (Nil)	3 (L)	5 (Z)	None (N)	Applicable load	
Solid state switch	Grommet	Yes	2-wire	24 V	12 V	—	T79	●	●	—	—	—	Relay, PLC
	Connector						T79C	●	●	●	●		
	Grommet		3-wire (NPN)		5 V, 12 V		S79	●	●	—	—	IC circuit	
			3-wire (PNP)				S7P	●	●	—	—		
Reed switch	Grommet	No	2-wire	24 V	—	100 V	R73	●	●	—	—	—	Relay, PLC
	Connector					—	R73C	●	●	●	●		
	Grommet	Yes			48 V, 100 V	100 V or less	R80	●	●	—	—	IC circuit	
	Connector				—	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