

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.

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

Shaft type

W	Double shaft (Long shaft key & Four chamfers)
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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	
		90°	180°	90°	180°
Standard	90	90°	—	90°	—
	180	180°	—	—	—
	270	270°	—	—	—
Option	100	100°	—	100°	—
	190	190°	—	—	—
	280	280°	—	—	—

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.

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

Auto switch

Nil	Without auto switch (built-in magnet)
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* 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		Auto switch model	Lead wire length (m) *				Applicable load	
				DC	AC		0.5 (Nil)	3 (L)	5 (Z)	None (N)		
Solid state switch	Grommet	Yes	2-wire	24 V	12 V	—	T79	●	●	—	—	Relay, PLC
							T79C	●	●	●	●	
	Connector		3-wire (NPN)	5 V, 12 V	S79	●	●	—	—	IC circuit		
					S7P	●	●	—	—			
Reed switch	Grommet	No	2-wire	24 V	—	100 V	R73	●	●	—	—	Relay, PLC
							R73C	●	●	●	●	
	Connector		3-wire (PNP)	48 V, 100 V	100 V or less	R80	●	●	—	—	IC circuit	
						R80C	●	●	●	●		
Grommet	2-wire	24 V	24 V or less	—	—	—	—	—	—	—	—	
							—	—	—	—	—	—

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