

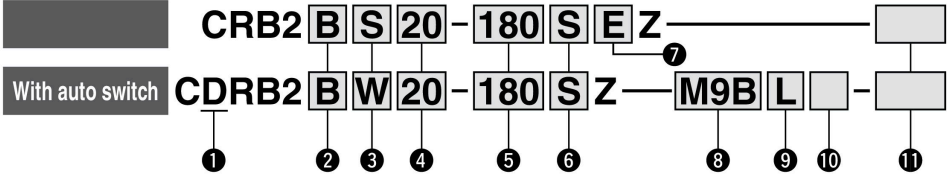
# Rotary Actuator Vane Type

RoHS

# CRB2 Series

Size: 10, 15, 20, 30, 40

## How to Order



### 1 With auto switch

(With auto switch unit and built-in magnet)  
\* Refer to page 99 when the auto switch unit is needed separately.

### 2 Mounting

Symbol	Mounting
B	Basic type
F*	Flange type

\* F: Except size 40

### 3 Shaft type

Symbol	Shaft type	Shaft-end shape	
		Long shaft	Short shaft
S	Single shaft	Single flat*	—
W	Double shaft	Single flat*	Single flat
J**	Double shaft	Round shaft	Single flat
K**	Double shaft	Round shaft	Round shaft
T**	Single shaft	Round shaft	—
Y**	Double shaft	Single flat*	Long shaft with single flat*

\* A key is used for size 40. \*\* J, K, T and Y are made to order.

\*\*\* When an auto switch is mounted to the rotary actuator, only shaft types W and J are available.

### 4 Size

10
15
20
30
40

### 9 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
C	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

### 5 Rotating angle

Single vane	90	90°
	180	180°
	270	270°
Double vane	90	90°
	100	100°

### 6 Vane type

S	Single vane
D	Double vane

### 7 Connecting port location

Nil	Side ported
E	Axial ported

### 8 Auto switch

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

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

\*\* The operating range and hysteresis of the D-M9□ are different from those of the other auto switches. For details, refer to page 102.

### 10 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.

### 11 Made to Order

For details, refer to the next page.

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

Applicable size	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)				
																		IC circuit	
For 10, 15	Solid state auto switch	—	Grommet	Yes	3-wire (NPN)	24 V	5 V, 12 V	—	M9NV	M9N	Oilproof heavy-duty cord	●	●	●	○	—	○	IC circuit	
					3-wire (PNP)				M9PV	M9P		●	●	●	○	—	○		
					2-wire				M9BV	M9B		●	●	●	○	—	○		
	Reed auto switch	—	No	Grommet	Yes	3-wire (NPN)	24 V	5 V, 12 V	5 V, 12 V, 24 V	—	90	Vinyl parallel cord	●	—	●	●	—	—	IC circuit
						3-wire (PNP)				—	90A		●	—	●	●	—	—	
						2-wire				—	97		●	—	●	●	—	—	
For 20, 30, 40	Solid state auto switch	—	Grommet	Yes	3-wire (NPN)	24 V	5 V, 12 V	—	M9NV	M9N	Oilproof heavy-duty cord	●	●	●	○	—	○	IC circuit	
					3-wire (PNP)				M9PV	M9P		●	●	●	○	—	○		
					2-wire				M9BV	M9B		●	●	●	○	—	○		
					3-wire (NPN)				—	S79		●	—	●	●	—	○		
					3-wire (PNP)				—	S7P		●	—	●	●	—	○		
					2-wire				—	T79		●	—	●	●	—	○		
	Reed auto switch	—	No	Connector	Yes	2-wire	24 V	—	100 V	—	R73	Oilproof heavy-duty cord	●	—	●	○	—	—	IC circuit
										—	R73C		●	—	●	●	—	—	
										—	R80		●	—	●	○	—	—	
										—	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

\* Auto switches are shipped together, (but not assembled).

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