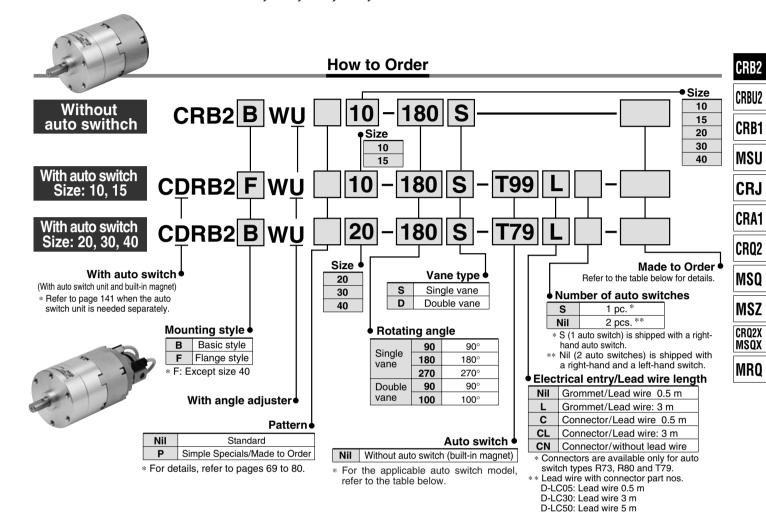
# **Rotary Actuator with Angle Adjuster** Vane Style

# Series CRB2BWU

Size: 10, 15, 20, 30, 40



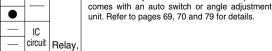
#### Applicable Auto Switches/Refer to pages 761 to 809 for further information on auto switches.

Applicable size	Type	Electrical entry	Indicator light	Wiring (Output)	Load voltage			Auto	L a a d vuiva	Lead wire length (m) *				A 1: 1.1			Made to Order	
						DC	AC	SWITCH	Lead wire type	0.5 (Nil)	3 (L)	5 (Z)	None (N)		licable bad		(Refer to pages 69 to 73, 79 and 80 for details.)	
For 10 and 15	Reed switch Solid state switch	Grommet	Yes	2-wire		12V		T99	Heavy-duty cord	•	•	_	_			Symbol	Specifications/Description	
								T99V		•	•	_	_		Relay,	XA1 to XA24	Shaft type pattern	
				3-wire (NPN)	v) re	5V, 12V		S99		•	•	_	_			XC 1	Add connection port	
								S99V		•	•	_	_			XC 2	Change threaded hole to through-hole	
				3-wire				S9P		•	•	_	_	IC		XC 3	Change the screw position	
				(PNP)				S9PV		•	•	_	_	circuit		XC 4	Change rotation range	
			Yes No	2-wire		EV 40V	24 V or less	90	Parallel cord	•	•	•	_			XC 5	Change rotation range between 0 and 200°	
						5V, 12V	100 V or less	90A	Heavy-duty cord	•	•	•	_			XC 6	Change rotation range between 0 and 110°	
								97	Parallel cord	•	•	•	_		1	XC 7	Reversed shaft	
							100V	93A	Heavy-duty cord	•	•	•	_			XC30	Fluorine grease	
For 20, 30 and 40	itch	Grommet		2-wire		12V		T79		•	•	_	_			The above may not be selected when the product		
	state switch	Connector	es					T79C		•	•	•	•		Relay, PLC	comes with an auto switch or angle adjustment unit. Refer to pages 69, 70 and 79 for details.		
	Solid sta	Grommet	~	3-wire (NPN)	24V	5V, 12V		S79		•	•	_	_	IC				
				3-wire (PNP)		30, 120			Heavy-duty	•	•	_	_	circuit				
	ed switc	Grommet	es				100V	R73	R73C	•	•	_	_					
		Connector	*	2-wire				R73C		•	•	•	•					
		Grommet	2	,,,,,		48V, 100V	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





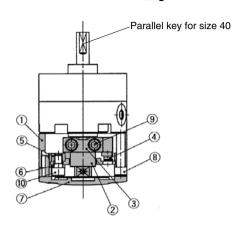
63

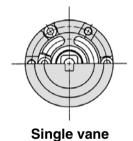
**D**-□

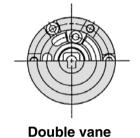
## Series CRB2BWU

**Construction** (Same switch units are used for both single and double vane type.)

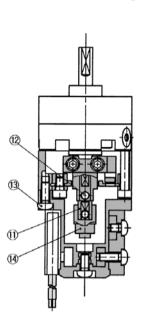
# With angle adjuster CRB2BWU10/15/20/30/40-□ S D

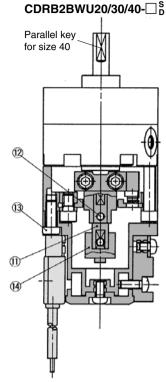




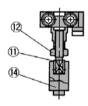


With angle adjuster + Auto switch unit CDRB2BWU10/15
CDRB2BWU10/15
CDRB2BW





CDRB2BWU10



### **⚠** Precautions

Be sure to read before handling. Refer to front matters I 38 and 39 for Safety Instructions and pages 4 to 13 for I Rotary Actuator and Auto Switch Precautions.

### **Component Parts**

Description	Material	Note		
Stopper ring	Aluminum die-casted	Electroless nickel plated		
Stopper lever	Carbon steel	Electroless nickel plated		
Lever retainer	Carbon steel	Zinc chromated		
Rubber bumper	NBR			
Stopper block	Carbon steel	Zinc chromated		
Block retainer	Carbon steel	Zinc chromated		
Сар	Resin			
Hexagon socket head cap screw	Stainless steel	Special screw		
Hexagon socket head cap screw	Stainless steel	Special screw		
Hexagon socket head cap screw	Stainless steel	Special screw		
Joint	Aluminum alloy	Note) Zinc chromated		
Hexagon socket head cap screw	Stainless steel	Hexagon nut will be used		
Hexagon nut	Stainless steel	for size 10 only.		
Round head Phillips screw	Stainless steel	Note)		
Magnet lever		Note)		
	Stopper ring Stopper lever Lever retainer Rubber bumper Stopper block Block retainer Cap Hexagon socket head cap screw Hexagon socket head cap screw Joint Hexagon socket head cap screw Hexagon nut Round head Phillips screw	Stopper ring Stopper lever Carbon steel Lever retainer Rubber bumper Stopper block Block retainer Cap Resin Hexagon socket head cap screw Hexagon socket head cap screw Stainless steel Stainless steel Hexagon nut Stainless steel Round head Phillips screw Stainless steel		



Note) These items (No. 11, 13, and 14) consist of auto switch unit and angle adjuster. Refer to pages 140 and 141 for detailed specifications. Stainless steel is used for size 10 only.

#### **Angle Adjuster**

### **<b>∧** Caution

 Since the maximum angle of the rotation adjustment range will be limited by the rotation of the rotary actuator itself, make sure to take this into consideration when ordering.

Rotating angle of the rotary actuator	Rotating angle adjustment range				
270° +4	0° to 230° (Size: 10, 40) *1				
270 0	0° to 240° (Size: 15, 20, 30)				
180° +4	0° to 175°				
90° +4 0	0° to 85°				

- \*1 The maximum adjustment angle of the angle adjuster for size 10 and 40 is 230°.
- 2. Connection ports are side ports only.
- **3.** The allowable kinetic energy is the same as the specifications of the rotary actuator by itself (i.e., without angle adjuster).
- **4.** Use a 100° rotary actuator if you desire to adjust the angle to 90° using a double vane type.

