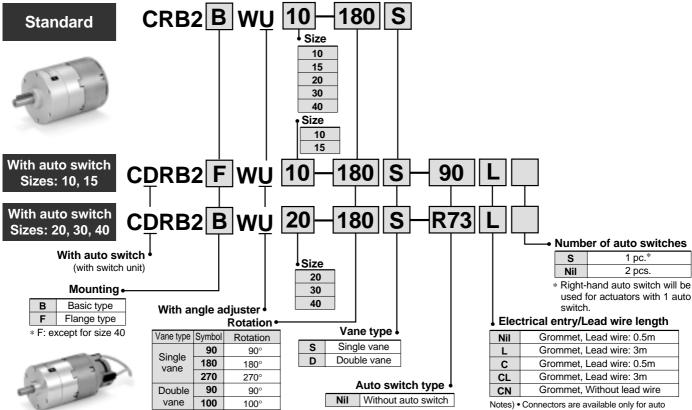
Vane Type Rotary Actuator with Angle Adjuster

Series CRB2BWU

Sizes: 10, 15, 20, 30, 40

How to Order



Select applicable auto switches

from the table below.

Auto switch specifications: Refer to page 91 for detailed auto switch specifications.

	ple			Indicator light	\ A # :	Load voltage			Auto		Lead wire length*			jth*		
	Applicable size	Type	Electrical entry		Wiring (output)	DC		AC	switch part no.	Lead wire type	0.5 (Nil)	3 (L)	5 (Z)	None (N)		Applicable loads
		Reed	Grommet	No		24V	5V, 12V	24V or less	90	Parallel cord	•	•	•	_	IC	
					2-wire			100V or less	90A	Heavy-duty cord Parallel cord Heavy-duty cord	•	•	•	_	circuit	
				Yes			12V		97		•	•	•	—		
	15							100V	93A		•	•	_	_	Rela PLo IC circuit	
	nd	Solid state					_		T99		•	•	_	_		Relay
	0 a								T99V		•	•	_	_		PLC
	For 10 and				3-wire		5V, 12V		S99		•	•	_	_		
	Ľ				(NPN) 3-wire				S99V		•	•	_	_		
		S							S9P		•	•	_	_		
					(PNP)				S9PV		•	•	_	_		
			Grommet	Yes			12V 5V, 12V	100V	R73		•	•	_	_		-
	40	Reed	Connector	res					R73C		•	•	•	•		
	nu	Re	Grommet	No	2-wire			100V or less	R80		•	•	_	•	IC	
	0, 8		Connector	NO	∠-wire	24V		24V or less	R80C	Heavy-duty cord	•	•	•	_	circuit	
	For 20, 30, and 40	<u>e</u>	Grommet						T79		•	•	_	•		PLC
	r 2(state	Connector	Yes					T79C		•	•	•	_	IC	
	Ро	Solid	Grommet		3-wire (NPN)		E\/ 10\/		S79		•	•	_	_		
	Ñ	Gionniel		3-wire (PNP		5V, 12V		S7P		•	•	_		circuit		

^{*} Lead wire length symbol

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0.5m Nil (Example) R73C 3m L (Example) R73CL

5m Z (Example) R73CZ None N (Example) R73CN

switch types D-R73, D-R80, D-T79.

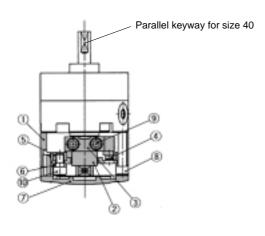
 Part numbers for lead wires with connectors. and their respective wire length in (), are: D-LC05 (0.5m); D-LC30 (3m); D-LC50 (5m)

Construction

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

With angle adjuster

CRB2BWU10, 15, 20, 30, 40-□_D^S







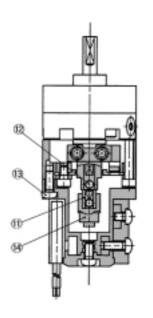


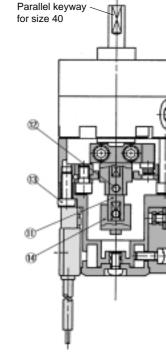
Double vane

With angle adjuster + Auto switch unit

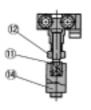
CDRB2BWU10, 15-□ SD

CDRB2BWU20, 30, 40-□_DS





CDRB2BWU10





Be sure to read before handling.

Refer to pages 104 through 110 for safety precautions, actuator precautions, and auto switch precautions.

Angle Adjuster ∕!\ Caution

1. 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.

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

- * The maximum adjustment angle of the angle adjuster for size 10 and 40
- 2. Connecting 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.

Parts list

No.	Description	Material	Note		
1	Stopper ring	Die-cast aluminum			
2	Stopper lever	Carbon steel			
3	Lever retainer	Carbon steel	Zinc chromated		
4	Rubber bumper	NBR			
5	Stopper block	Carbon steel	Zinc chromated		
6	Block retainer	Carbon steel	Zinc chromated		
7	Сар	Resin			
8	Hexagon socket head cap screw	Stainless steel	Special screw		
9	Hexagon socket head cap screw	Stainless steel	Special screw		
10	Hexagon socket head cap screw	Stainless steel	Special screw		
11	Joint	Aluminum alloy	See note below.		
12	Hexagon socket head set screw	Stainless steel	Hexagon nut will be used for size 10 only		
12	Hexagon nut	Stainless steel			
13	Round head Phillips screw	Stainless steel	See note below.		
14	Magnet lever	_	See note below.		



Note) These items (No. 11, 13, and 14) consist of auto switch unit and angle adjuster. Refer to pages 84 and 85 for detailed specifications.



Series CRB2BWU

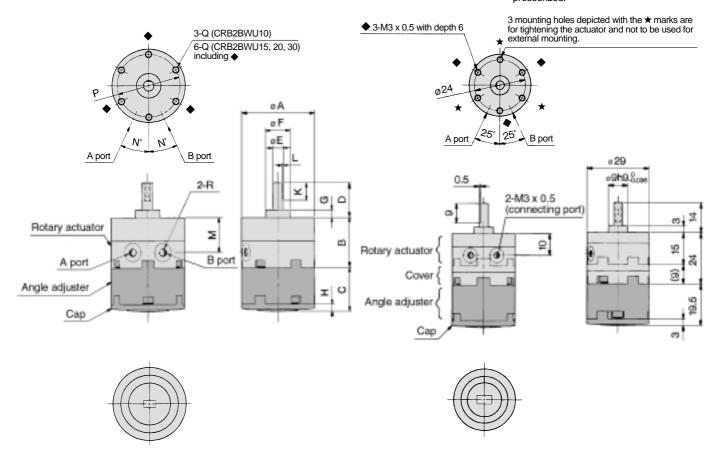
Dimensions: 10, 15, 20, 30 (with Angle Adjuster)

Single vane type

CRB2BWU10, 15, 20, 30-□S • Following illustrations show actuator for 90° when A port is pressurized.

Double vane type CRB2BWU10-□D

Following illustrations show the intermediate rotation position when A or B port is pressurized.



Double vane type CRB2BWU15, 20, 30-□D

Dimensions for double vane type sizes 15, 20, and 30 are the same as those of single type.

Model	Α	В	С	D	E (g6)	F (h9)	G	Н	К	L	М	N	Р	Q
CRB2BWU10-□S	29	15	19.5	14	4	9	3	3	9	0.5	10	25	24	M3 x 0.5 with depth 6
CRB2BWU15-□S CRB2BWU15-□D	34	20	21.2	18	5	12	4	3.2	10	0.5	15	25	29	M3 x 0.5 with depth 5
CRB2BWU20-□S CRB2BWU20-□D	42	29	25	20	6	14	4.5	4	10	0.5	20	25	36	M4 x 0.7 with depth 7
CRB2BWU30-□S CRB2BWU30-□D	50	40	29	22	8	16	5	4.5	12	1	30	25	43	M5 x 0.8 with depth 10

Model	R									
Wodei	90°	100°	180°	270°						
CRB2BWU10-□S	M5 x 0.8	_	M5 x 0.8	M3 x 0.5						
CRB2BWU10-□D	M3 >	(0.5	_							
CRB2BWU15-□S	M5 x 0.8 —		M5 x 0.8	M3 x 0.5						
CRB2BWU15-□D	M3 >	0.5	_							
CRB2BWU20-□S	M5 x 0.8	_	M5 x 0.8							
CRB2BWU20-□D	M5 >	¢ 0.8	_							
CRB2BWU30-□S	M5 x 0.8 —		M5 x 0.8							
CRB2BWU30-□D	M5 >	(0.8	_							

