## ECR type Electric Actuator Specifications

## **FEATURE**

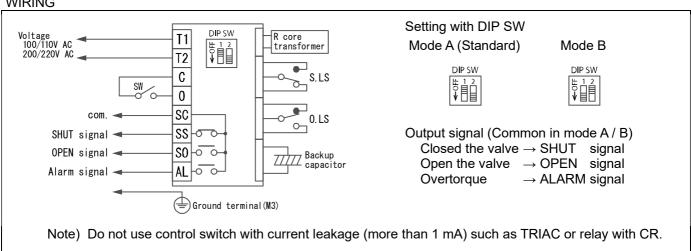
Ultra high capacity electric double layer capacitor and compact, light weight and economy. In case of power failure, electric discharge from built-in capacitor lets valve operate. Capable of high-frequency operation (over 200,000 times), and maintenance-free.

## **SPECIFICATION**

A at victor to the a	d-\	FOD 400 □	FCD 260 □
Actuator type (□:Voltage code)		ECR-120-	ECR-360-□
Voltage		100 / 110 AC V ±5 % 50/60 Hz (Code: 1)	
5	FA 1 7	1	de: 2)
Rated torque	[N·m]	12	36
Operation time	[s]	3 to 6	7 to 14
		When power is turned on, operation sta	rts about 30 seconds after capacitor is
		charged.	
Charging Time	[s]	30	90
		When the power is just turned on.	
Power consumption	[VA]	In motion: 30 max. Charging: 50 max.	Stop: 2.5
Motor		DC motor	
Overload protection		Timer	
Method of operation		a-contactinput type, with built-in relay	
Operation *1		[Mode A] SW is OFF $\rightarrow$ SHUT , SW is ON $\rightarrow$ OPEN. (Standard)	
		[Mode B] SW is ON $\rightarrow$ SHUT , SW is OFF $\rightarrow$ OPEN. (Option: Q)	
Power failure		[Mode A] SHUT	
		[Mode B] OPEN	
Built-in power supply		Electric double layer capacitor	
Input signal current		6 mA (O-terminal) Leakage current in SW: less than 1 mA.	
Output signal rating		Resistance load: 0.5 A 125 V AC / 1 A 24 V DC.	
Alarm signal		Output when the motor protection circuit operates by the overload.	
		(it returns by power supply OFF or reverse operating signal)	
Duty cycle		20 % 15 min.	
Ambient temperature		-20 to 50 °C	
Space heater		Built in to the control board	
Manual operation		Manual shaft	
Enclosure		Equivalent to IP65 (IEC 60529)	
Housing material		Aluminum alloy diecast (acrylic resin baking finish)	
Terminal block		For bare wire 0.2 to 1.5 mm² (AWG 26 to 16) Ground terminal: M3	
Conduct port		2-G1/2 Attachments: Cable gland (for Φ6 to 12 mm cable), plug.	
22		Cable gland (lot +	t to .=ii dabio/, piagi

3 way valve: SHUT / Position-1, OPEN / Position-2.

## **WIRING**



<sup>\*</sup>¹ Change by DIP switch. (Standard → Mode B)