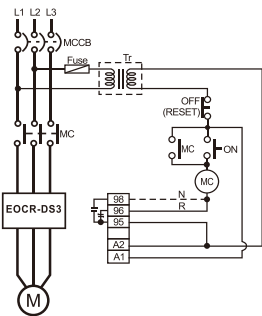
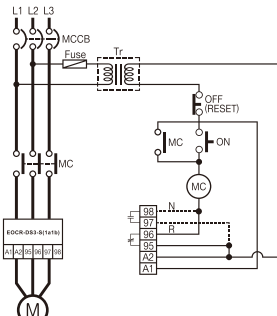


General

EOCR-DS3 series overload relays are designed to prevent the failures originated from motor heat.



Connection diagram for EOCR-DS3-E(1c)



Connection diagram for EOCR-DS3-S(1a1b)

LED Indication

Normal Operation	On	Off
Pick-up	On	Blink
Trip	Off	On

Warnings

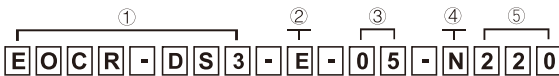
Please use the device according to the manual. Don't use the device in wet. Include a switch and circuit breaker in the assembly. Put the switch and circuit breaker nearby the device, operator can reach easily. Mark the switch and circuit breaker as releasing connection for device.

Maintenance

Periodic testing of TEST button is recommended to ensure the full protection and regularly as a preventive maintenance.

Usage of Relay and working principle

- 1) When commissioning, set start delay time (D-Time knob) to know motor run-up time, or to the maximum, if not known.
- 2) Set trip delay time (O-Time knob) to desired trip time.
- 3) Set load currents (LOAD knob) at the rated full load or desired currents.
- 4) With connections made and control power on, depress TEST button and hold. Verify the red LED illuminates and the internal relay should switch contacts after the sum of D-Time and O-Time. Depress RESET button.
- 5) Start the motor and notice run-up time. Then, slowly turn the LOAD knob counter clockwise, until the LED flashes, where the 100% of the actual load currents is indicated. Set the LOAD knob to the desired trip currents. 110%~125% setting of running current is recommended.
- 6) Reset D-Time knob setting to normal run-up time.



①	Model	
②	Contact	E Contact 1c (Can be omitted)
		S Contact 1a1b
③	Current	05 0.5~6.5A
		30 3~35A
		60 5~70A
		120 10~120A
④	Condition	N Normal Energized
		R Normal De-energized
⑤	Control Voltage	24 AC/DC 24V
		110 AC110V,50/60Hz
		220 AC90~260V, 50/60Hz
		440 AC180~460V,50/60Hz

Technical Specifications:

Current Range: (05)0.5~6.5A, (30)3~35A, (60)5~70A (120)10~120A
 Operating Voltage(Un) : 24VAC/DC, 110VAC, 90~260VAC, 180~460VAC
 Operating Frequency: 50/60Hz
 Operating Power: <2W
 Operating Temperature: -20°C~+55°C
 Waiting(t) : D-Time 0.2~30s, O-Time 0.2~10s
 Asymmetry Set: %±10
 Contact: 5A 250V AC Resistive Load
 Connection Diagrams: 35mm Din Rail (D) or (P)

Dimensions for EOCR-DS3

