

Electronic Over Current Relay (EOCR)

EOCR3DE Series



EOCR Samwha EOCR
by Schneider Electric

EOCR (Electronics Over Current Relay) is a Motor Protection Relay to protect your electric motor from burn out due to frequent and common problems.

Standard Features

Approval

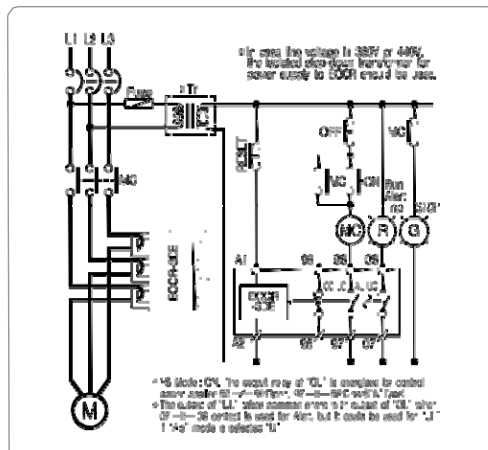
- Digital Display : Trip Cause / Easy Trouble Shooting, MCU (Microprocessor Control Unit) based.
- 3 Integral Current Transformer, Compact Design, Multiple Protection Function
- Wide Current Adjustment Range, High Accuracy, Digital Ammeter, Test Function
- Manual Instantaneous Reset, Electrical Reset < 1 second by interruption of power supply
- Ambient Insensitive
- Low Energy Consumption < 3 W
- Options Fail safe Operation (Type N) or Non Fail safe Operation (Type R)

Specification

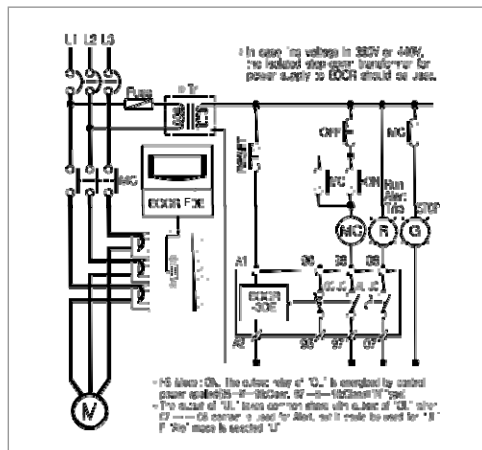
TYPE	3DE	FDE	3EZ	FEZ
Current Range	0.5 - 60 A			
Over Current	DEF : 0-Time (0.2 - 30 secon)			
Under Current	DEF : 0.5 - 30 secon			
Phase Loss	3 secon			
Phase Unbalance	8 secon			
Phase Reversal	0.1 - 0.3 secon			
Stall	While motor is working (1.5 - 5 Times OC) ~ 0.5 secon after D-Time (1-200 secon)			
Locked Rotor	While motor is starting (2 - 10 Times OC) ~ 0.5 secon			
Ground Fault	-		A : 0.02-3 A, B : 0.2-10A (0.5 - 10 secon)	
Alert Function	50 - 100% / OFF		-	
Mounting Support	35 mm Din rail / Panel Mounting		35 mm Din rail / Panel Flush Mounting	
Output Contact	OL	2-SPST	1-SPST	
	AL/GR	All Relay	Ground Fault Relay	
	Rating	3A / 250 VAC Resistive		
Control Voltage	110 VAC; 220 VAC ; 50 - 60Hz			
Display Type	7 Segment LED			
Dielectric Strenght	2 kV at 50...60 Hz, Insulation Voltage : 600VAC 50/60 Hz			
Environment	Temp : For Operation : -20° - 60 °C , For Storage : -30 ° 80 °C Humidity : 45-85% RH, Non Condensing			
IP Protection	IP 20 IEC 60529			
Weight	3DE / 3EZ : 0.336 kg		FDE / FEZ : 0.694 kg	

(* > 60A - 960A) Use External CT Option

Typical Wiring



* 3DE



* FDE

