

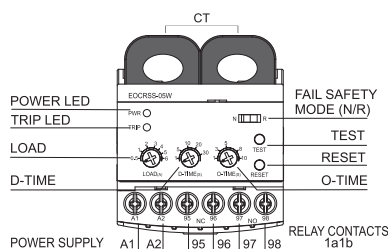
EOCR-SS

Electronic Overload Relay

Premium



EOCR-SS



Standard

- Compact Design
- Overload / Phase Loss / Locked Rotor protection
- Independently Adjustable Starting Trip Delay & Operating Time
- AC / DC Power Supply Universal * Standard Mode AC 100~240V
- PWR & Trip Indication LED
- Manual / Electric Reset
- MCU(Microprocessor Control Unit) Based
- N-type and R-type Integration(DIP SW selection) *Standard Mode Only N Tpye
- (No Volt Release/ Fail-safe Operation)→N Type
- Low Energy Consumption

Used for

- Low Voltage Induced Electromotor (600V Level) Protective Relay
- Break-Down Watch Current Relay
- Alternative Replacement for the Existing Relay

Protection

Protective Item	Operating (Trip) Time
Over-current	O-TIME
Phase Loss	O-TIME
Locked Rotor	O-TIME + D-TIME

LED

Ammeter Function	After the motor runs smoothly, turn the overcurrent setting knob slowly counter clockwise to the red indicator light, which is 100% of the actual running current. And then turn the knob clockwise to just turn off the red light at this point for the actual running current value of about 103%.
Run / Operation Indicator	Relay Trip: Red LED Power / normal operating status: Green LED

Manual / Electric Reset

Press the RESET button or turn off the power (L1, L2) -. Remote Reset is possible to install the SW on afar

Set

After the installation is complete the settings as follows.

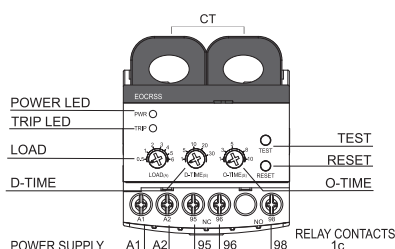
Classification	Set Knob	Set up
Delay Time	D-TIME	Set two to three seconds lnger than the motor starting time
Operating Time	O-TIME	Over-current run time.Set less than the motor's endurance time with over-current
Rated current	LOAD	Set over 110% of the motor's rated current of under 120% of its operating current

TEST Instruction

With test button held down,the red LED is on and the product will trip after O-TIME
The relay will be de-energized when RESET button is pushed or the control power is disconnected.

LED Indication

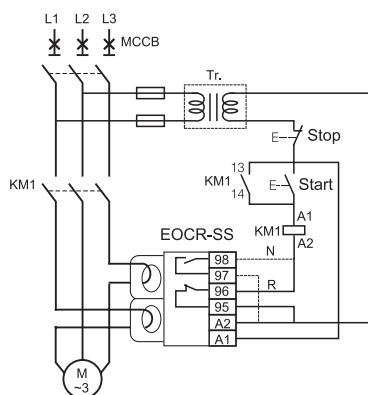
Condition	PWR(Green) LED	Trip(Red) LED	Remarks
Power	○	×	○ : ON × : OFF
Normal Running	○	×	
Trip	×	○	



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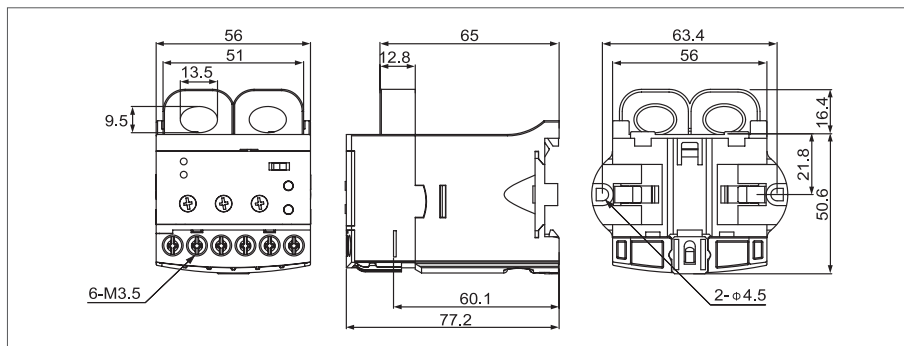
Complete motor protection program!



※ For N-type model, with control power on
95 ┘ ┐ 96 is Open,
95 ┘ ┐ 98 is Closed

Specifications

Current Setting		Type	Range
		05	0.5 ~ 6A
		30	3 ~ 30A
		60	5 ~ 60A
		60 ~ 600	Use an external CT(secondary 5A)over 60A with 05 type.
TIME	Starting	D-TIME	0.2 ~ 30 sec
	Operation	O-TIME	0.2 ~ 10 sec
Reset			Manual / Electric Reset
Indicator			LED
Accuracy		Current	±10%
		Time	±15%
Control Voltage	Voltage Range	S(Premium)	24V ~240V AC/DC
		W(Standard)	180 ~ 460V AC
Frequency		50/60Hz	
Output	Contact		1-SPDT (Premium:1a1b, Standard:1c)
	Condition	N Type	When powered, 95┘┐96 Open, 97┘┐98 Close(Premium)
			When powered, 95┘┐96 Open, 95┘┐98 Close(Standard)
		R Type	When powered, 95┘┐96 Close, 97┘┐98 Open(Premium)
			When powered, 95┘┐96 Close, 95┘┐98 Open (Standard)
Contacts		5A/250VAC Resistive	
Insulation	Between Case & Circuit		Over 100MΩ with 500VDC Megger
Dielectric Strength	Between Case & Circuit		2.0kV, 50/60Hz, 1 min
	Between Contacts		1.0kV, 50/60Hz, 1 min
	Between Circuit		2.0kV, 50/60Hz, 1 min
Environment	Temperature	Storage	-30 ~ 80 °C
		Operation	-20 ~ 60 °C
	Humidity		30 ~ 85% RH, Not-condensate
Mounting			35mm DIN-Rail / Panel (Bracket Panel mounting)



Ordering

E O C R S S - 0 5 S Premium

①	Current	05	0.5~6A	Above 60A Use combination type
		30	3~30A	
		60	5~60A	
②	Power Supply	S	24~240V AC/DC	

E O C R S S - 0 5 N U Standard

①	Current	05	0.5~6A	Above 60A Use combination type
		30	3~30A	
		60	5~60A	
②	Relay output	N	N-Type	
③	Power Supply	U	90~240V AC	
		W	180~460V AC	