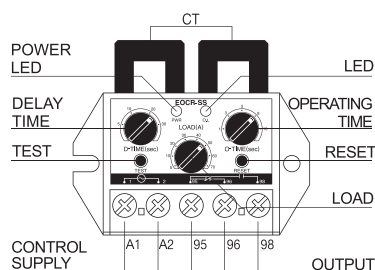


# EOCR-SS(E Series)

Electronic Overload Relay



EOCR-SS



- Compact Design
- Overload / Phase Loss / Locked Rotor protection
- Independently Adjustable Starting Trip Delay & Operating Time
- Wide Current Range:0.1~600A
- Wide Operating Voltage Range
- PWR & Trip Indication LED
- Manual / Electric Reset
- Ambient Insensitive
- Low Energy Consumption
- (No Volt Release / Fail-safe Operation)→ N Type
- ※ Single-phase, three-phase available

## 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 ehld 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.

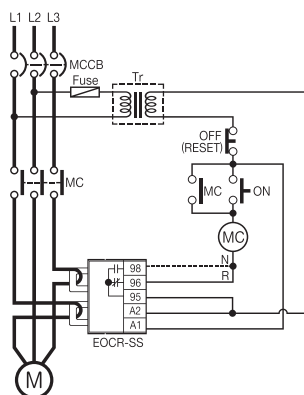
## LED Indication

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

# EOCR-SS(E Series)

## Electronic Overload Relay

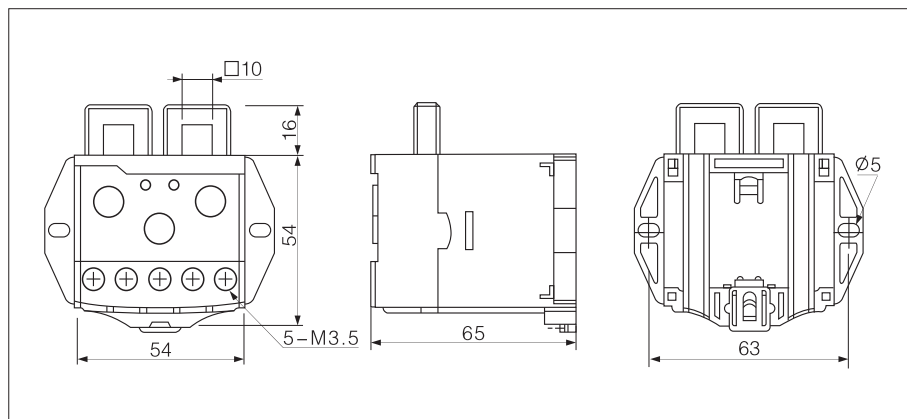
Complete motor protection program!



※ For N-type model, with control power on  
95  $\rightarrow$  96 is Open,  
97  $\rightarrow$  98 is Closed

## Specifications

Current Setting		Type	Range
		05	0.5 ~ 6.5A
		30	3 ~ 35A
		60	5 ~ 70A
		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			Thiết lập lại thủ công/ bằng điện
Indicator			LED
Accuracy		Current	±10%
		Time	±15%
Control Voltage	Voltage Range	AC/DC	24V
		220(Y7)	AC 90 ~ 260V
		440(W7)	AC 180 ~ 460V
	Frequency	50/60Hz	
Output	Contact	1-SPDT (1C)	
	Condition	N Type	When powered, 95↗96 Open, 95↓↑98 Close
		R Type	When powered, 95↗96 Close, 95↓↑98 Open
	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



## Ordering

E O C R S S - 0 5 N B

①      ②      ③

①	Current	05	0.5~6A
		30	3~30A
		60	5~60A
②	Condition	N	Normal Energized
		R	Normal De-energized
		B	AC/DC 24V
③	Control Voltage	Y7	AC90~260V, 50/60Hz
		W7	AC180~480V, 50/60Hz