

# EOCR-SS / SP / DS Series

## Features

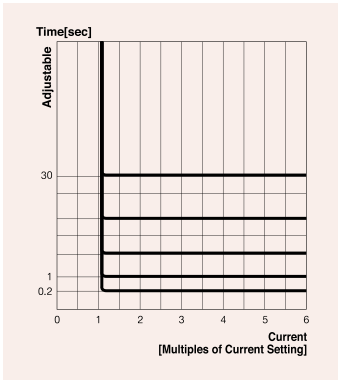
- Compact Design
- MCU Based
- Multiple Protection Functions
- Wide Current Adjustment Range (10:1)
- Ammeter Function & Trip Indication
- Easy Troubleshooting & Run Monitor
- Manual Instantaneous / Electrical Remote Reset
- Test Function
- Ambient Insensitive
- Fail-safe Operation

## Run Monitor & Troubleshooting with 2-LED's

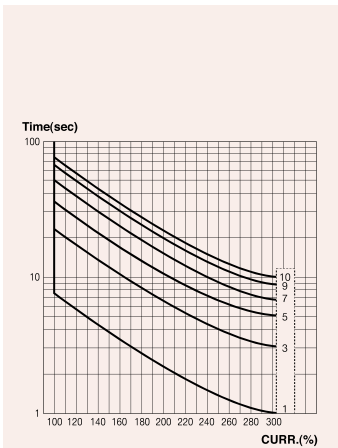
2 LED Lamps on the dial plate provide easy troubleshooting and run-monitor functions

Motor Status	LED Output / Pulse Signal					
	Green LED		Red LED			
1 Stop(Power Input)	On	0 1	Off	0 1		
2 Starting	Flash	0 1	Flash	0 1		
3 Normal Running	On	0 1	Off	0 1		
4 Overloading	On	0 1	Flash	0 1		
5 Trip	Over-current	Off	0 1	Off	0 1	
	Locked Rotor	Off	0 1	Flash	0 1	
	Phase Loss	R	Off	0 1	Flash	0 1
		S	Off	0 1	Flash	0 1
T		Off	0 1	Flash	0 1	
DS3(T)	Phase Reversal	2LEDs flash alternately				

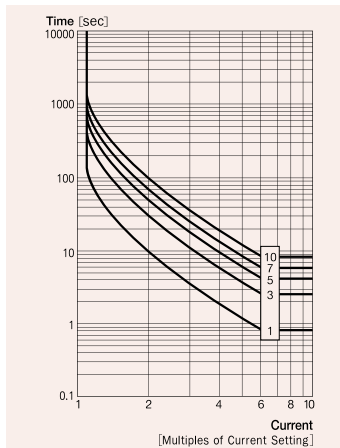
## Time-Current Characteristic Curve



Definite Time Characteristic of EOCR-SP2/SS2/DS2(T)/DS3(T)

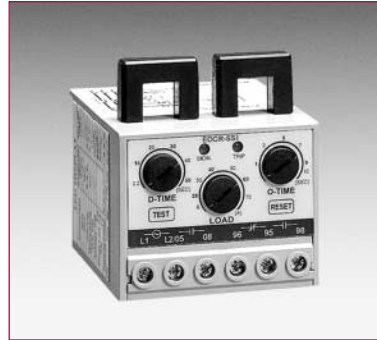


Inverse Time Characteristic of EOCR-SP1



Inverse Time Characteristic of EOCR-SS1/DS1(T)

## EOCR-SS1 / SS2



- 2 Integral Current Transformers
- Independently Adjustable Starting Trip Delay & Trip Time

## Protection

Protective Item	EOCR Operating (Trip) Time	
	SS1	SS2
Over-current	O-TIME(curve)	O-TIME
Phase Loss	4 sec	4 sec
Locked Rotor	D-TIME	D-TIME
Time Characteristic	Inverse	Definite

## Specification

EOCR		SS1	SS2
Current Setting	05	0.5 - 6A	0.5 - 6A
	30	3 - 30A	3 - 30A
	60	-	5 - 60A
	100~ (over 60A)	External CT Option	
Time Setting	Start D-TIME	0 - 50 sec	1 - 50 sec
	Trip O-TIME	1 - 10	0.2 - 10 sec
Control Voltage (50/60Hz)	24	24VAC/DC	
	110	85 - 150VAC	
	220	180 - 260VAC	
Contact Rating	X1 Mode & Rating	1-SPST, 3A/250VAC Resistive	
	Status	Normally Energized	
X2 Mode & Rating	1-SPDT, 3A/250VAC Resistive		
	Status	Normally De-energized	
Time-Current Characteristic		Inverse	Definite
Trip & Trip Cause Indication		2-LED	
Mount		35mm Din-rail	

## Typical Wiring

