

EOCR-SP/SS/DS Series

Features

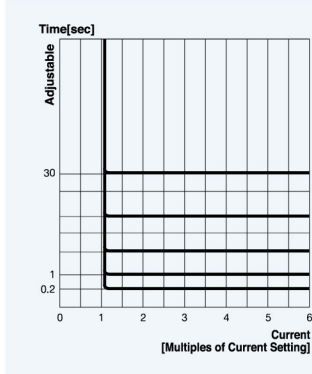
- Compact Design
- MCU Based
- Multiple Protection Functions
- Wide Current Adjustment Range (10:1)
- Ammeter Function & Trip Indication
- Easy Troubleshooting & Run Monitor
- Manual Instantaneous / Electrical Remote Reset
- Test Function
- Ambient Insensitive
- Fail-safe Operation

Run Monitor & Troubleshooting with 2-LED's

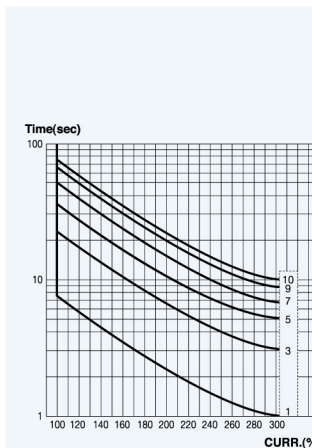
2 LED Lamps on the dial plate provide easy troubleshooting and run-monitor functions

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

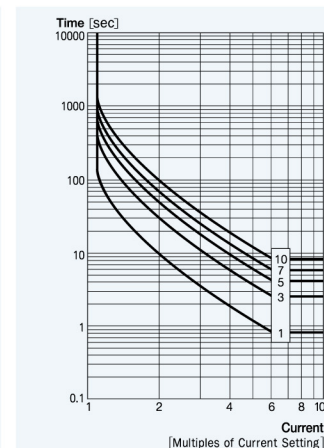
Time-Current Characteristic Curve



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

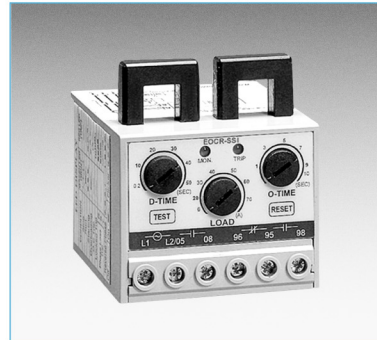


Inverse Time Characteristic of EOCR-SP1



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	4sec	4sec
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	1 - 50 sec	
	Trip O-TIME	0.2 - 10 sec	
Control Voltage (50/60Hz)	110	AC85 - 150V	
	220	AC180 - 250V	
Output Relay	X1 Mode & Rating	1-SPDT, AC250V/3A Resistive	
	Status	Normally Energized	
	X2 Mode & Rating	1-SPST, AC250V/3A Resistive	
	Status	Normally De-energized	
Time-Current Characteristic		Inverse	Definite
Trip & Trip Cause Indication		2-LED	
Mount		35mm Din-rail	

Typical Wiring

