



DIN 52.5mm

**Features :**

- 3Ø - 3 Wire Input
- Monitors Overload Current, Phase Asymmetry, Phase Failure & Phase Sequence, Under Current
- LED Indication : Power ON, Trip Relay
- Test and Reset Function via Front / Remote
- DIN Rail Mount
- DPDT Relay Output
- User Selectable Trip Time Curve and Motor Current Rating

**Display Specifications**

Type	Analog
No. of LED	3
No. of Knob	2
No. of Push Button	2

**Recovery Setting**

Automode : When healthy condition occurs device reset automatically after 15min. (Short terminal 17 & 18)  
 Remote / Manual : When healthy condition occur device reset by connecting 16 & 17 terminal or application of reset key.

**LED Indication Chart**

Conditions	Power ON	SP	OL
Nominal Condition	ON	OFF	OFF
Overload Current	ON	OFF	ON
Phase Reverse	ON	ON	OFF
Phase Asymmetry	ON	ON	OFF
Phase Failure	ON	ON	OFF
Under Current	ON	OFF	Blink

**Output Specifications**

Relay Contact	2 C/O (DPDT)
Relay Rating	NC / 5A@240V AC N0 / 5A@240V AC

**Auxiliary Supply Specification**

Supply Voltage	230 / 415V AC ±15%
Frequency	45 / 65Hz
Power Consumption	3VA max

**Input Specifications**

<b>Functions</b>	
Measurements	Overload Current, Phase Asymmetry, Phase Failure & Phase Sequence, Under Current
Alarm Indications	Trip
Reset	Auto / Manual / Remote
Electrical Connection	3Ø - 3 wire
<b>Trip Setting</b>	
Phase Sequence	Yes
Phase Failure	Yes
Phase Asymmetry (Fixed)	50% of Motor Current ± Fixed
Under Current	50% of Motor Current
<b>Trip Time Settings</b>	
Power On Delay (Fixed)	<500ms
Trip Time Delay (Fixed)	5.5s ±1.5s
Overload Trip Delay	As per IDMTL graph
Recovery Delay Time	<250ms
For Overload	As per IDMT curve
Under Current Trip	5sec
<b>Accuracy</b>	
Trip Setting Accuracy	±5% of set value
Time Setting Accuracy	±5% of setting ±100ms
<b>CT Setting</b>	
CT Ranges	10A ,40A,80A

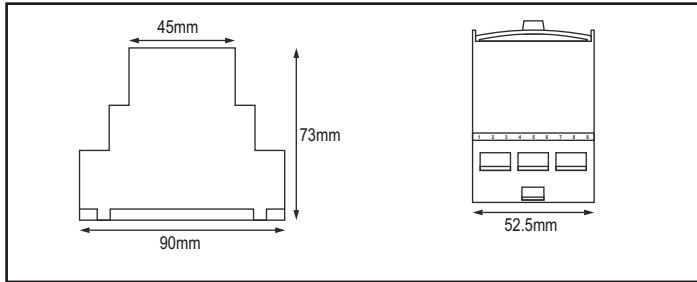
**Environmental Specifications**

Temperature	Operating Temperature : 0° to 50°C Storage Temperature : -20° to 75°C
Humidity (non-condensing)	Upto 95% RH

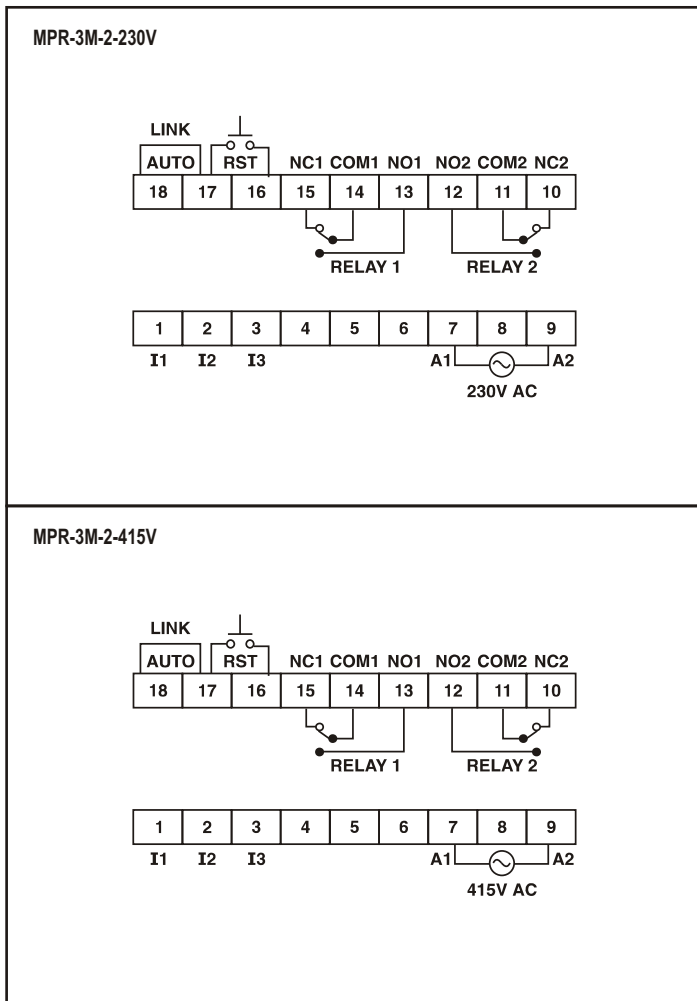
**Mechanical Specifications**

Mounting	DIN Rail
Weight	180gms
Screw Tightening Torque	0.5 NM

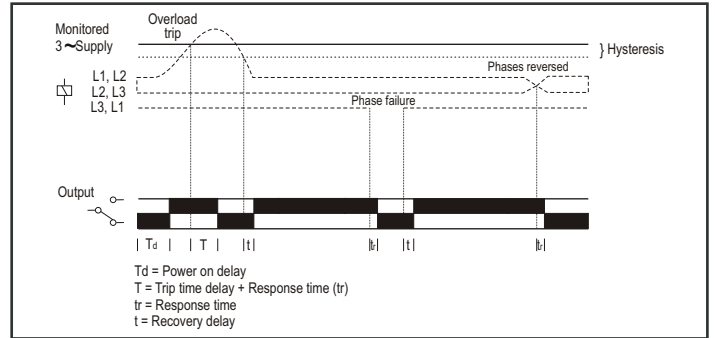
### Dimensions



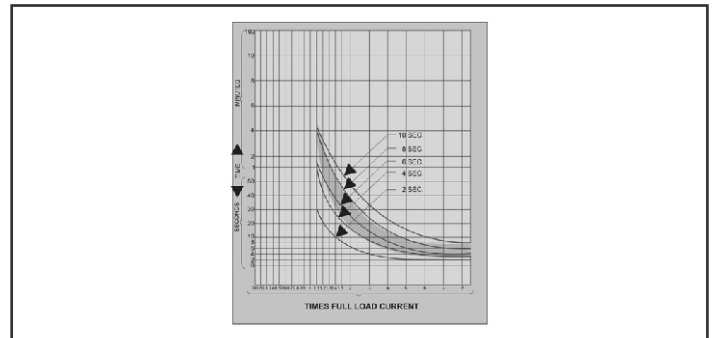
### Terminal Connections



### Timing Diagram



### Inverse Time Characteristics (IDMTL) Graph



### Ordering Information

Product Code	Supply Voltage	Certification
MPR-3M-2-230V	230V AC $\pm$ 15%	---
MPR-3M-2-415V	415V AC $\pm$ 15%	---

Product Code	INPUT CURRENT	Certification
MPCT D15 10 A	10 A	---
MPCT D15 40 A	40 A	---
MPCT D15 80 A	80 A	---