

DIN Rail

Display Specifications

| | |
|--------------------|---------------|
| Type | : Digital |
| Display | : LED Display |
| No. of LED | : 7 |
| No. of Push Button | : 3 |

LED Indication Chart

| Condition | UC LED | OC LED | CA LED |
|-------------------|--------|--------|--------|
| Normal Condition | OFF | OFF | OFF |
| Under Current | ON | OFF | OFF |
| Over Current | OFF | ON | OFF |
| Current Asymmetry | OFF | OFF | ON |

NOTE: If More than one faults occurs on both relays it will indicate faults by respected LED indication.

Input Specifications

| | |
|---------------------------|--|
| Functions | |
| Measurements | : Undercurrent, Over current and Current Asymmetry |
| Time Settings | : Power ON delay, Trip time delay, Recovery time delay |
| Alarm Indications | : Under current, Over Current, Current Asymmetry |
| Reset | : Auto/Manual |
| Electrical Connection | : 1Ø-2W, 3Ø-3W, 3Ø-4W |
| CT Settings | |
| CTRatio | : CT Pri.: 1-999A (Selectable) CT Sec.: 5A(Default) |
| Current Rating | |
| Measuring Range | |
| (RMS Value) | : 0-999A |
| Trip Settings | |
| Under Current | : 0-999A |
| Over Current | : 0A-999A |
| Current Asymmetry | : 5.0-99.9% |
| Trip Time Settings | |
| Power ON Delay | : 1-999sec |
| Trip Time Delay | : 0-999sec |
| Recovery Time Delay | : 0-999sec |
| ResponseTime | : <100ms |

Features

- 1Ø-2W, 3Ø-3W, 3Ø-4W
- Monitors Under Current, Over Current & Current Asymmetry
- True RMS Measurement
- Separate Power ON Delay, Trip Time Delay and Recovery Time Delay for Each Fault
- Adjustable Switching Hysteresis
- One Alarm Relay with NO/NC
- Din Rail Mount

Trip Time Settings

| | |
|-----------------------|---|
| Hysteresis | |
| Current | : 0.1-99.9% |
| Resolution | |
| Current | : 0.01, 0.1, 1A, (Depends on CT Setting) |
| Accuracy | |
| Voltage | : 1% of Setting 2digits |
| Time Setting Accuracy | : 5% of Setting 100ms |

Output Specifications

| | |
|---------------|----------------------------------|
| No. of Relays | : 1 |
| Relay Contact | : 1C/O (SPDT) |
| Relay Rating | : NO/5A@250VAC : NC/3A@250VAC |

Auxiliary Supply Specifications

| | |
|-------------------|---------------------|
| Supply Voltage | : Auxiliary powered |
| Operating Voltage | : 230V AC |
| Frequency | : 50/60Hz |
| Power Consumption | : 20VA max |

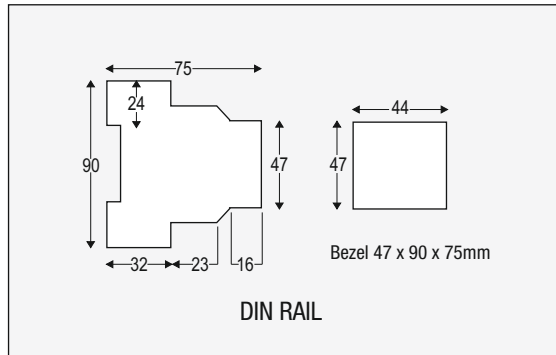
Environmental Specifications

| | |
|---------------------------|--|
| Temperature | : Operating Temperature: 0° to 50°C Storage Temperature: -20° to 70°C |
| Humidity (Non-condensing) | : Upto 95%RH |

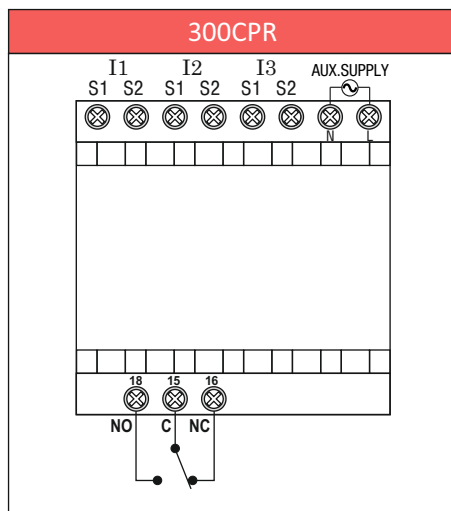
Mechanical Specifications

| | |
|-------------------------|------------|
| Mounting | : DIN Rail |
| Weight | : 165g |
| Screw Tightening Torque | : 0.5NM |

Mechanical Specifications



Connection Diagram



Ordering Information

| Product Name | Discription |
|--------------|------------------|
| 300CPR | 230V AC 50/60 Hz |