PRELIMINAR! PDATASHEE



Features:

• PTC Input

• LED Indication : Power ON, Trip, Open, Short

DIN Rail Mount

• DPDT Relay Output

Certifications : C €

Display Specifications

| LED Indication | 1. GREEN: Power ON Indication |
|----------------|-------------------------------|
| | 2. YELLOW: Sensor Indication |
| | 3. RED : Relay status |

Input Specifications

| Sensor type | PTC | |
|-------------|-----|--|
|-------------|-----|--|

Output Specifications

| Type of contact | DPDT |
|-----------------------|------------------------------|
| Contact rating | 8A 250VAC |
| Contact material | AgSnO ₂ |
| Max switching current | 8A |
| Electrical life | 1x10 ⁵ Operations |

Mechanical life 1x10 Operations

Mechanical life 1x107 Operations

Functional Specifications

| Relay operating mode | Failsafe mode |
|-----------------------|------------------------|
| | Non-failsafe mode |
| Reset | Auto / Manual / Remote |
| Response time maximum | <100ms |

Sensor Specifications

| Sensor Short | : | < 39Ω (±1Ω) |
|----------------|---|--|
| Sensor Healthy | : | 42Ω (±1Ω) to <3.8 KΩ(±40Ω) |
| Sensor Trip | : | \geq 3.8K Ω (±40 Ω) to <5.6K Ω (±60 Ω) |
| Sensor Open | : | ≥5.6KΩ (±60Ω) & Above |
| Sensor Cut-in | : | ≤1.5KΩ (±40Ω) |
| | | |

Auxiliary Supply Specifications

| Supply Voltage | 95-270V AC |
|---------------------|--------------------------|
| Frequency | 50-60 Hz |
| Power consumption | Approx. 3 Watts @ 230VAC |
| Initialization time | 3 seconds |

Environmental Specifications

| Temperature | Operating: 0° to 50° C Storage: -20 to 70°C |
|---------------------------|--|
| Humidity (non-condensing) | 10% to 95% RH |

Mechanical Specifications

| Mounting | Din Rail Mounting (size 35mm) |
|--------------------|----------------------------------|
| Type of connection | Terminal screw - 16A rating |
| Dimension | 60 x 35 x 90mm |
| Housing | 2M |
| Weight | 115 g |
| Type of protection | IP20 |
| No of terminals | 11 (L, N, REMOTE, GND, |
| | PTC, NO1, NC1, C1, NO2, NC2, C2) |

Ordering Information

| Product Code | Output 1 | Supply Voltage | Certification |
|----------------|----------|-----------------|---------------|
| TPRA2M1-1-U-CE | RELAY | 95-270V AC / DC | C€ |

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