Thermistor Protection Relay

TPRA2M1-1-U-CE



Features :

- PTC Input
- LED Indication : Power ON, Trip, Open, Short
- DIN Rail mount
- DPDT Relay output

Certifications : CE

Technical specifications

Display specifications	
LED Indications	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	$1x10^7$ Operations
Functional specification	
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 <3.8KΩ(±40Ω)
Sensor trip	≥3.8KΩ (±40Ω) to <5.6KΩ (±60Ω)
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 specification	
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 - 16Arating
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	CE