

Thermal Overload Relays PTC

multicomp PRO

**RoHS
Compliant**

Features

- Monitors and Protects Motors with Integrated PTC Resistor sensors
- Protection against Over heating for Heavy Duty Load, High Switching
- Frequency, High operating temperature & Insufficient cooling conditions
- Wide Auxiliary Supply Voltage: 24V AC/DC, 110 - 240V AC & 220 - 415 V AC
- LED Indications for Healthy, Unhealthy, Sensor Open/Short conditions
- 1 C/O & 2 C/O Configuration
- Reset Options: Auto, Manual and Remote

Specification

Part Number		MP008408	MP008409	MP008407
Parameters				
Supply Voltage		110V AC to 240V AC	220V AC to 440V AC	24V AC/DC
Supply Variation		-20% to + 10% (of)		
Frequency		50/60 Hz		
Power Consumption		4 VA Max.		2 VA Max.
Trip Settings	Trip Level	2.7k Ω (\pm 5%)		
	Reset Level	1.71k Ω (\pm 5%)		
	Sensor Short	<20 Ω , (\pm 4 Ω)		
	Hysteresis	40 Ω (\pm 4 Ω)		
	Sensor Open	> 20k Ω (\pm 5%)		
Max Cold Res(Ω) of Sensor Chain		<1.5k Ω		
Repeat Accuracy		1%		
Time Delay	ON Delay	500 ms		
	OFF Delay	100 ms		
	Reset Time	150 ms		
Output	Relay Output	2 C/O		
	Contact Rating	5A (Resistive) @ 250V AC / 28V DC		
	Electrical Life	1 x 10 ⁵		
	Mechanical Life	3 x 10 ⁶		
Utilization Category	AC - 15	Rated Voltage (Ue): 120/240 V, Rated Current (Ie): 3/1.5 A		
	DC - 13	Rated Voltage (Ue): 24/125/250 V, Rated Current (Ie): 2/0.22/0.1 A		
LED Indications	Green LED	Continuous ON—Healthy Flashing—Sensor Open		
	Red LED	Continuous ON—Relay ON Flashing—Sensor Short		
	All LEDs OFF	Power Supply Fail		

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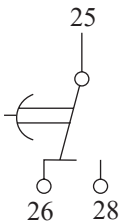
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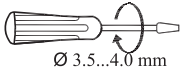

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Operating Temperature	- 15°C to +60°C
Storage Temperature	- 25°C to +80°C
Humidity (Non Condensing)	95% (Rh)
Enclosure	Flame Retardant UL94-V0
Dimension (W x H x D)	22.5mm x 83mm x 100.5mm
Weight (unpacked)	120 g
Mounting	Base / DIN rail
Degree of Protection	IP 20 for Terminals, IP 40 for Enclosure

PTC Thermistor Relay



Terminal Torque & Capacity

 Ø 3.5...4.0 mm	Torque - 0.6 N.m (6 Lb.in) Terminal screw - M3
	Solid Wire - 1 X 1...6 mm ²
AWG	1 X 20 to 12

Part Number Table

Description	Part Number
PTC Thermistor Relay, 2CO, 110-240V AC	MP008408
PTC Thermistor Relay, 2CO, 240-440V AC	MP008409
PTC Thermistor Relay, 2CO, 24V AC/DC	MP008407

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