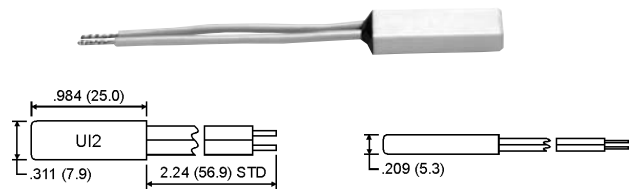
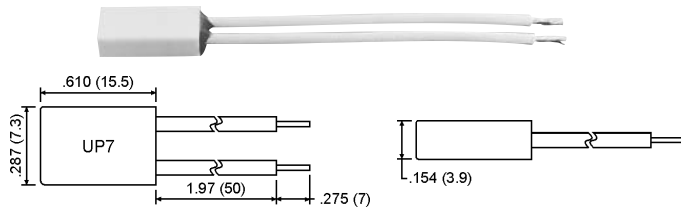


Thermal Protector

UP7 Series (Open On-Rise) and UI2 Series (Open On-Rise)



FEATURES

- Low cost
- Durable plastic case
- Smallest motor protector approved by UL

APPLICATIONS

- Solenoids
- Small motors
- Transformers
- Electronic appliances

The UP7 Series (UP7, UP71, UP72) PBT enclosed thermal protectors are compact 1/2HP (373W) motor protectors. The unique engineering techniques of holding the bimetal disc result in excellent performance in heat response.

FEATURES

- PBT enclosure
- Designed for high rated motors
- Snap-action bimetal technology

APPLICATIONS

- Power supplies
- Motor protection
- Electronic appliances

The PBT enclosed UI2 Series offers both thermal conductivity and electrical insulation with no need for additional insulation sleeves. With its large current carrying capacity, the UI2 Series is ideal for more demanding applications and solutions.

SPECIFICATIONS

Variations

UP7	Without lead wires, 2 welding terminals
UP71	Uninsulated solid wires, bare
UP72	Stranded insulated wires, tin-coated - 22AWG Standard lead length: 50mm + 7mm

Temperature range 140°F to 302°F (60°C to 150°C)

Temperature tolerance ±9°F (±5°C) Standard

Standard differential 50°F±25°F (30°C±15°C)

Electrical ratings 125VAC, 4 Amps, Resistive, 10,000 Cycles
250VAC, 2.5 Amps, Resistive, 10,000 Cycles

Contact resistance 50m Ω or less (initial value)

Approvals & contact ratings

EN60730-2-2
UP7 Model
Thermal Motor Protector
250VAC, 302°F maximum (150°C maximum)
File No. 8921.00-4510-0026

EN60730-2-9
UP7 Model
Thermal Cut-Out
250VAC, 2.5 Amps, Resistive, 10,000 Cycles
250VAC, 1.6 Amps, Inductive, 10,000 Cycles
302°F maximum (150°C maximum)
File No. 8921.00-4510-0027

UL2111
UP71 and UP72 Models
Motor Protector
125V/250VAC, 1/2HP maximum
302°F maximum (150°C maximum)
File No. E52703

CSA
UP71 and UP72 Models
Std. C22.2, No. 77 - Motor Protector
125V/250VAC, 1/2HP maximum
302°F maximum (150°C maximum)
File No. E52073

Std. C22.2, No. 77 - Motor Protector
125V/250VAC, 3.75FLA
File No. LR35080

EN60730-2-2
UP71 and UP72 Models
Thermal Motor Protector
250VAC, 302°F maximum (150°C maximum)
File No. 8921.00-4510-0026

EN60730-2-9
UP71 and UP72 Models
Thermal Cut-Out
250VAC, 2.5 Amps, Resistive, 10,000 Cycles
250VAC, 1.6 Amps, Inductive, 10,000 Cycles
302°F maximum (150°C maximum)
File No. 8921.00-4510-0027

RoHS Compliant

Contact system

UP7, UP71, and UP72 Models Open on-rise (normally closed)
Silver contacts

SPECIFICATIONS

Variation

UI2 Stranded insulated wires - 20AWG

Temperature range 140°F to 302°F (60°C to 150°C)

Temperature tolerance ±9°F (±5°C) Standard

Standard differential 50°F±25°F (30°C±15°C)

Electrical ratings 125VAC, 12 Amps, Resistive, 6,000 Cycles
250VAC, 10 Amps, Resistive, 10,000 Cycles

Contact resistance 50m Ω or less (initial value)

Approvals & contact ratings

CMJ
Registration No. J-22
125VAC, 8 Amps, Resistive, 10,000 Cycles
266°F maximum (130°C maximum)

UL2111
Motor Protector
125VAC, 1/2HP maximum
302°F maximum (150°C maximum)
File No. E52703

UL873
Limiting
125VAC, 6 Amps, Resistive, 100,000 Cycles
284°F maximum (140°C maximum)
File No. E50124

Regulating
125VAC, 12 Amps, Resistive, 6,000 Cycles
284°F maximum (140°C maximum)
File No. E50124

CSA
Std. C22.2, No. 77 - Motor Protector
125VAC, 293°F maximum (145°C maximum)
File No. LR35080

Std. C22.2, No. 24 - Regulating
125VAC, 6 Amps, Resistive, 100,000 Cycles
293°F maximum (145°C maximum)
File No. LR35080

EN60730-2-2
Thermal Motor Protector
250VAC, 311°F maximum (155°C maximum)
File No. 8921.00-4510-7028

E60730-2-9
Thermal Cut-Out
250VAC, 10 Amps, Resistive, 1,000 Cycles
250VAC, 8 Amps, Inductive, 1,000 Cycles
250VAC, 10 Amps, Resistive, 10,000 Cycles
From 131°F to 311°F (55°C to 155°C)
File No. 8921.00-4510-7029

RoHS Compliant

Contact system

UI2 Open on-rise (normally closed)

It is the customer's sole responsibility to specify and determine the suitability of a particular control or component based on their unique individual applications and requirements

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