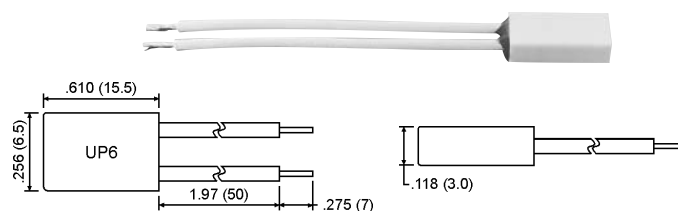
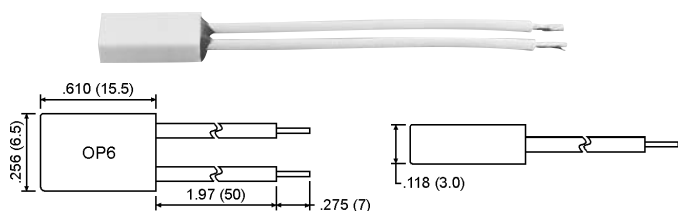


Thermal Protector

OP6 Series (Close On-Rise) and UP6 Series (Open On-Rise)



FEATURES

- Low cost
- PBT enclosure
- Snap-action bimetal technology

APPLICATIONS

- Transformers
- Motor protection
- Timer applications
- Alarm signal controller

The OP6 Series (OP6, OP61, OP62) thermal protectors close an electrical circuit. They are a snap-action device with quick make/quick break, fast sensing and switching action. These self-resetting devices feature a reinforced PBT-enclosure which make additional sleeving unnecessary. Various leads and terminations are available.

FEATURES

- PBT enclosure
- Not current sensitive
- Suitable for PCB mounting

APPLICATIONS

- Solenoids
- Motor protection
- Lighting ballasts

The UP6 Series (UP6, UP61 and UP62) PBT enclosed thermal protectors, the smallest thermal protector available, features an excellent performance in thermal response due to the compact miniature design and unique engineering techniques of bimetal disc mounting.

SPECIFICATIONS

Variations

OP6 Without lead wires, 2 welding terminals
 OP61 Uninsulated solid wires, bare
 OP62 Stranded insulated wires, tin-coated - 24AWG
 Standard lead length: 50mm + 7mm

Temperature range 140°F to 284°F (60°C to 140°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

UL873 Regulating
 OP6, OP61 and OP62 Models 125VAC, 4 Amps, Resistive, 6,000 Cycles
 284°F maximum (140°C maximum)
 File No. E50124

CSA Std. C22.2, No. 24 - Regulating (c-UL)
 OP6, OP61 and OP62 Models 125VAC, 4 Amps, Resistive, 6,000 Cycles
 284°F maximum (140°C maximum)
 File No. E50124

EN60730-2-2 Thermal Motor Protector
 OP6, OP61 and OP62 Models 250VAC, 284°F maximum (140°C maximum)
 File No. 8921.00-4510-0026

EN60730-2-9 Thermal Cut-Out
 OP6, OP61 and OP62 Models 250VAC, 2.5 Amps, Resistive, 10,000 Cycles
 250VAC, 1.6 Amps, Inductive, 10,000 Cycles
 284°F maximum (140°C maximum)
 File No. 8921.00-4510-0027

EN60730-2-9 Thermal Cut-Out
 OP61G and OP62G Models 250VAC, 0.5 Amps, Resistive, 10,000 Cycles
 284°F maximum (140°C maximum)
 File No. 8921.00-4510-0027
 RoHS Compliant

Contact system

OP6, OP61, and OP62 Models Close on-rise (normally open)
 Silver contacts

OP6#G Close on-rise (normally open)
 PGS (Platinum/Gold/Silver alloy) cross-bar contacts for micro electric load of electronic applications

SPECIFICATIONS

Variations

UP6 Without lead wires
 UP61 Uninsulated solid wires
 UP62 Stranded insulated wires - 24AWG
 Standard lead length: 50mm + 7mm

Temperature range 140°F to 284°F (60°C to 140°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

UL873 Regulating
 UP6, UP61 and UP62 Models 125VAC, 4 Amps, Resistive, 6,000 Cycles
 284°F maximum (140°C maximum)
 File No. E50124

CSA C22.2, No. 24 (c-UL) - Regulating
 UP6, UP61 and UP62 Models 125VAC, 4 Amps, Resistive, 6,000 Cycles
 284°F maximum (140°C maximum)
 File No. E50124

EN60730-2-2 Thermal Motor Protector
 UP6, UP61 and UP62 Models 250VAC, 284°F maximum (140°C maximum)
 File No. 8921.00-4510-0026

EN60730-2-9 Thermal Cut-Out
 UP6, UP61 and UP62 Models 250VAC, 2.5 Amps, Resistive, 10,000 Cycles
 250VAC, 1.6 Amps, Inductive, 10,000 Cycles
 284°F maximum (140°C maximum)

EN60730-2-9 Thermal Cut-Out
 UP61G and UP62G Models 250VAC, 0.5 Amps, Resistive, 10,000 Cycles
 284°F maximum (140°C maximum)
 File No. 8921.00-4510-0027

RoHS Compliant

Contact system

UP6, UP61, and UP62 Models Open on-rise (normally closed)
 Silver contacts

UP6#G Models Open on-rise (normally closed)
 PGS (Platinum/Gold/Silver alloy) cross-bar contacts for micro power applications

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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