

Thermal Protectors

OP6 Series (Close On-Rise)



Thermal Protectors - OP6

The OP6 (OP61, OP62) Series 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 insulating or sleeving unnecessary. Various leads and terminations available.

Selco switches are produced in an ISO 9001 certified factory to insure safe and reliable operation. All models are 100% factory inspected to ensure proper temperature, continuity and function.

Custom Manufacturing options are available including: longer leads, sleeving, heat shrink, mounting brackets and more. For details regarding custom thermal protector assemblies, please contact Selco directly.

Everyday Applications

Transformers, Motor Protection, Timers, Alarm Signal Controller, And More...

MODELS	APPROVALS	CONTACT RATINGS
OP61 and OP62 140°C maximum (284°F maximum)	UL873 Regulating File No. E50124 (UL)	125VAC, 4 Amps, Resistive 125VAC, 1 Amps, Resistive* 6,000 Cycles
OP61 and OP62 140°C maximum (284°F maximum)	CSA Std. C22.2, No. 24 (c-UL) Appliance Control File No. E50124 (UL)	125VAC, 4 Amps, Resistive 125VAC, 1 Amps, Resistive* 6,000 Cycles
OP61 and OP62 150°C maximum (302°F maximum)	EN607302-2 Thermal Motor Protector File No. 8921.00-4510-0026 (VDE)	250VAC
OP61 and OP62 150°C maximum (302°F maximum)	EN60730-2-9 Thermal Cut-Out File No. 8921.00-4510-0027 (VDE)	250VAC, 2.5 Amps, Resistive 250VAC, 1.6 Amps, Inductive 10,000 Cycles
OP61G* and OP62G* 150°C maximum (302°F maximum)	EN60730-2-9 Thermal Cut-Out File No. 8921.00-4510-0027 (VDE)	250VAC, 0.5 Amps, Resistive 10,000 Cycles

*Gold - 125VAC, 1 Amp, Resistive, 6,000 Cycles (applicable to UL873 - see above contact ratings)

Technical Specifications



OP6 Series

Type

OP61 - Uninsulated solid wires, bare
OP62 - Stranded insulated wires, tin-coated 24AWG
Standard lead length: 50mm + 7mm

Temperature Range

55°-140°C (131°-284°F)

Temperature Tolerance

±5°C (9°F) Standard, ±7°C (13°F), ±10°C (18°F)

Standard Differential

30°C±15°C (50°F±25°F)

Electrical Ratings (see table)

125VAC, 4 Amps, Resistive, 6,000 Cycles (UL)
250VAC, 2.5 Amps, Resistive, 10,000 Cycles (VDE)

Contact Resistance

50m Ω or less (initial value)

Contact System

OP61 and OP62 Models
> Close on-rise (normally open) with silver contacts
OP61G and OP62G Models
> Close on-rise (normally open)
> PGS (Platinum/Gold Silver alloy) cross-bar contacts for minimal current electronics applications

EXAMPLE PART NUMBER

OP62-100C

Close on rise at 100°C±5°C (212°F±9°F), Resets at 70°C±15°C (158°F±27°F), 24AWG Stranded Insulated Wires, 50 mm + 7mm length

NOTE: 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, with respect to temperature settings, cycle life, electrical load and environmental conditions.



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