

# Thermal Protectors

## UP6 Series (Open On-Rise)



### Thermal Protectors - UP6

The UP6 (UP61, UP62) Series 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. 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 more details, please contact Selco directly.

### Everyday Applications

Solenoids, Motor Protection, Lighting Ballasts, And More...

MODELS	APPROVALS	CONTACT RATINGS
UP61 and UP62 140°C maximum (284°F maximum)	<b>UL873</b> Regulating File No. E50124 (UL)	125VAC, 4 Amps, Resistive 125VAC, 1 Amps, Resistive * 250VAC, 2.5 Amps, Resistive 6,000 Cycles
UP61 and UP62 140°C maximum (284°F maximum)	<b>CSA</b> Std. C22.2, No. 24 (c-UL) Appliance Control File No. E50124 (UL)	125VAC, 4 Amps, Resistive 125VAC, 1 Amps, Resistive * 250VAC, 2.5 Amps, Resistive 6,000 Cycles
UP61 and UP62 150°C maximum (302°F maximum)	<b>EN60730-2-2</b> Thermal Motor Protector File No. 8921.00-4510-0026 (VDE)	250VAC
UP61 and UP62 150°C maximum (302°F maximum)	<b>EN60730-2-9</b> Thermal Cut-Out File No. 8921.00-4510-0027 (VDE)	250VAC, 2.5 Amps, Resistive 250VAC, 1.6 Amps, Inductive 10,000 Cycles
UP61G and UP62G (G= Gold) 150°C maximum (302°F maximum)	<b>EN60730-2-9</b> 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



#### UP6 Series

##### Type

UP61 - Uninsulated solid wires

UP62 - Stranded insulated wires, 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 (54°F±27°F)

##### Electrical Ratings (see table)

125VAC, 4 Amps, Resistive, 6,000 Cycles (UL)

250VAC, 2.5 Amps, Resistive, 6,000 Cycles (UL)

##### Contact Resistance

50m Ω or less (initial value)

##### Contact System

UP61 and UP62 Models

> Open on-rise (normally closed) with silver contacts

UP61G and UP62G Models

> Open on-rise (normally closed)

> PGS (Platinum/Gold Silver alloy) cross-bar contacts for minimal current electronics applications

##### EXAMPLE PART NUMBER

##### UP62-100C

Open on-rise 100°C±5°C (212°F±9°F), Reset 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.

