

# Thermal Protectors

## UB8P and UB81P Series (Self Hold)



### Thermal Protectors - UB8P and UB81P

The UB8P (exposed model) and UB81P (enclosed model) self-hold thermal cut-out and thermal protectors are designed to provide overheat protection in high voltage applications. With a high 25 Amp capability, these models are well suited for thermal overload protection in a broad range of applications.

The UB81P features a reinforced PBT enclosure for dust-proof applications; the UB8P has an exposed bi-metallic element for high accuracy and fast response to ambient air temperature.

Both models incorporate a self-hold" non-self resetting function that provides a high level of operational safety, especially in appliances with moving parts. The "self-hold" function ensures that after the element reaches its pre-set open temperature, the internal heater activates to prevent the bimetal from resetting until the user disconnects the power.

Custom Manufacturing options are available such as lead wires attached, custom insulating or mounting. For more details, please contact Selco directly.

### Everyday Applications

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

MODELS	APPROVALS	CONTACT RATINGS
UB8P and UB81P 150°C maximum (302°F maximum)	<b>UL873</b> Regulating File No. E50124 (UL)	125VAC, 25 Amps, Resistive 250VAC, 13 Amps, Resistive 6,000 Cycles
UB8P and UB81P 140°C maximum (284°F maximum)	<b>CSA</b> Std. C22.2, No. 24 (c-UL) Appliance Control File No. E50124 (UL)	125VAC, 25 Amps, Resistive 250VAC, 13 Amps, Resistive 6,000 Cycles
UB8P 150°C maximum (302°F maximum)	<b>EN60730-2-9</b> Thermal Cut-Out File No. 892100-4510-0033 (VDE)	250VAC, 16 Amps, Resistive, 6,000 Cycles
UB81P 140°C maximum (284°F maximum)	<b>EN60730-2-9</b> Thermal Cut-Out File No. 892100-4510-0039 (VDE)	250VAC, 2 Amps, Inductive, 6,000 Cycles

### Technical Specifications



#### UB8P and UB81P Series

##### Type

UB8P - Exposed Model  
UB81P - Enclosed Model

##### Temperature Range

UB8P 60° to 150°C (140° to 302°F)  
UB81P 60° to 140°C (140° to 284°F)

##### Temperature Tolerance

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

##### Electrical Ratings (see table)

125VAC, 25 Amps, Resistive, 6,000 Cycles (UL)  
250VAC, 13 Amps, Resistive, 6,000 Cycles (UL)

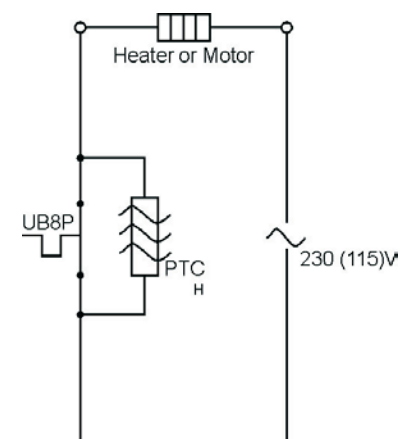
##### Contact Resistance

50m Ω or less (initial value)

##### EXAMPLE PART NUMBER

##### UB8P-120C

Self-hold thermal protector, Opens at 120°C±5°C, exposed bare case



**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.

For more information on Selco Products please visit us at: [www.selcoproducts.com](http://www.selcoproducts.com)