

- The **smallest** UL recognized normally open type thermal protector sealed in PBT enclosure
- Normally open type
(Contacts close when temperature rises)

OP6 thermal protector



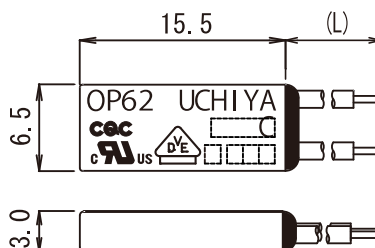
Best solution for energy saving electronic circuit (No current flow under normal condition)

- Under normal condition: Contacts are normally open, so **no current flow to circuit**
- Under abnormal condition: Contacts close instantly as the bimetal chip senses abnormal heating-up and signal current flow to circuit

Specifications

- Operating Temp 55°C~140°C
(5°C step)
- Tolerance $\pm 5^\circ\text{C}$, $\pm 7^\circ\text{C}$, $\pm 10^\circ\text{C}$
- Differential $30 \pm 15\text{K}$ (Standard)
- Breaking capacity
4A 125V AC 6000 cycle(resistive)
2.5A 250V AC 10000 cycle(resistive)

Dimensions



Applications

- Overheat Protector**
 - Switching Power Supply
 - UPS
 - Solenoid
 - Other Electronic Devices
- Delay Timer**
 - Ventilating Fan

Safety Approval

※Contact us for approved conditions in detail.

Model	Agency	Standard	Category	Electrical Ratings	Max Temp	File No.
OP6 OP61 OP62	UL	UL873	Regulating	4A /125V AC (resistive) 6000 cycles	140°C	E50124
	c-UL	CSA C22.2 No.24	Appliance Control	4A / 125V AC (resistive) 6000 cycles	140°C	E50124
	EN (VDE)	EN IEC 60730-2-22	Thermal Motor Protector	250V AC	150°C	40003837
	EN (VDE)	EN IEC 60730-2-9	Thermal Cut-out	2.5A(1.6A)/250V AC resistive (inductive) 10000 cycles	150°C	40023061
	CQC	GB14536.10	Thermostat (Non-fused bimetal type) (Normally Open)	4A/125V, 2.5A/250V AC	140°C	CQC04002009090 CQC03002008320

ECO-THERMOSTATS Line up		
	for Milli-ampere current	No current flow normally
OP6#G	○	○
OP6	—	○
UP6#G	○	—

Variation		Lead
OP6		None
		1 Uninsulated Solid
		2 insulated wire

Mounting method

In case of sensing heat directly from the heat source, place the thermal protector to touch it' s opposite surface of "UCHIYA" printed surface to the heat source.

*In case of sensing convection heat or heat emission, please contact Uchiya.
The condition of sensing heat differ case by case.

