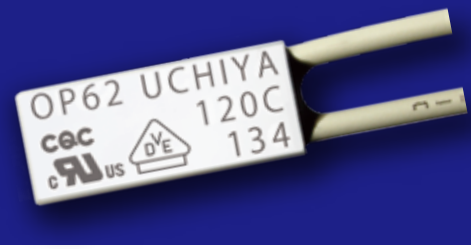
UCHIYA

OP6
thermal protector



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

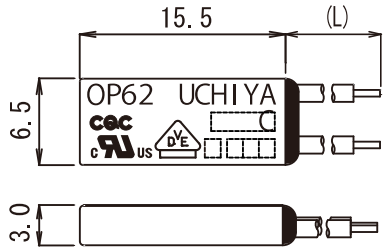
Best solution for energy saving electronic circuit
(No current flow under normal condition)

- 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℃～140℃ (5℃ step)
- Tolerance ±5℃、±7℃、±10℃
- Differential 30±15K(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℃	E50124
	c-UL	CSA C22.2 No.24	Appliance Control	4A / 125V AC (resistive) 6000 cycles	140℃	E50124
	EN (VDE)	EN IEC 60730-2-22	Thermal Motor Protector	250V AC	150℃	40003837
	EN (VDE)	EN IEC 60730-2-9	Thermal Cut-out	2.5A(1.6A)/250V AC resistive (inductive) 10000 cycles	150℃	40023061
	CQC	GB14536.10	Thermostat (Non-fused bimetal type) (Normally Open)	4A/125V, 2.5A/250V AC	140℃	CQC04002009090 CQC03002008320

ECO-THERMOSTATS Line up

	for Milli-ampere current	No current flow normally
OP6#G	○	○
OP6	—	○
UP6#G	○	—

Variation

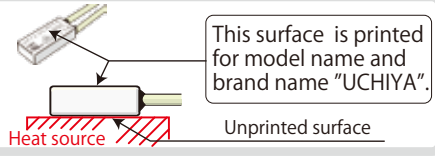
OP6

Lead	
	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.



EU RoHS Compliant

ウチヤ・サーモスタット株式会社
UCHIYA THERMOSTAT CO., LTD.