UCHIYA

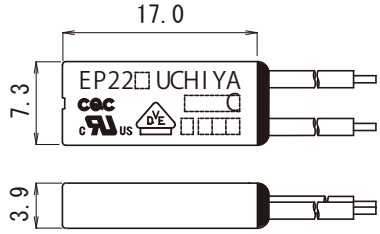
EP2
thermal protector

- World's only "DUAL SPRING MECHANISM"
- Stronger Contact Spring, Higher Vibration/Impact Durability
- Bigger Non-trip Current acceptable by changing inner live parts material Suitable for quick charger battery pack
- Overload, overheat protection for DC devices (Please refer to model JP series for AC devices)

Specifications

- Operating temp 50℃～130℃(5℃ step)
- Tolerance ±5℃、±7℃、±10℃
- Differential 40±15K(Standard)
- Breaking capacity
  13A 26V DC 6000 cycle(resistive)

Dimension



Applications

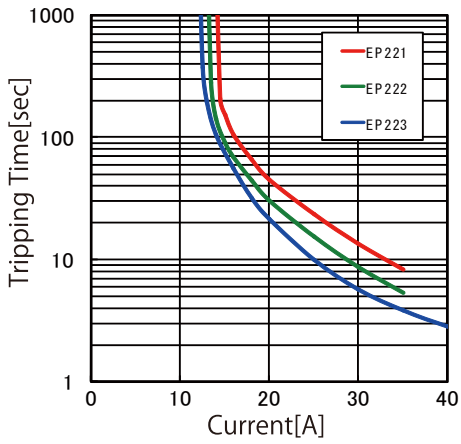
- Power Tool
- Battery Pack
- Battery Charger
- DC Small Motor

Safety Approval

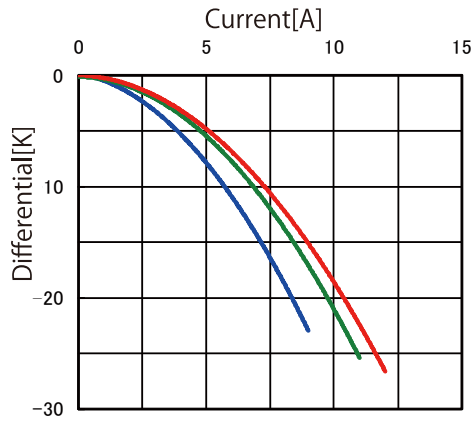
※Contact us for approved conditions in detail.

Model	Agency	Standard	Category	Electrical Ratings		Max Temp	File No.
EP2##	UL	UL873	Regulating	13A / 26V DC (resistive)	6000 cycles	130℃	E50124
	c-UL	CSA C22.2 No.24	Appliance Control	13A / 26V DC (resistive)	6000 cycles	130℃	E50124
	EN (VDE)	EN IEC 60730-2-9	Thermal Cut-out	13A / 26V DC (resistive)	10000 cycles	130℃	40027970
	CQC	GB14536.10	Thermostat (Non-fused bimetal type)	13A / 26V DC		130℃	CQC10002050712 CQC10002050710

Graph Left: Tripping Time vs Current (at 25℃)



Graph Right: Operating Temp. Drop due to Current



Variation

EP2□□

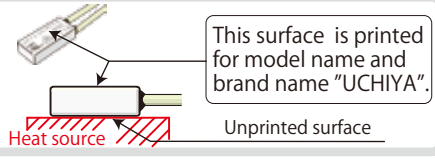
	Lead
	None
1	Uninsulated Solid
2	insulated wire

Materials of Stationary Arm / Movable Arm		
1	Copper Alloy	Copper Alloy
2	Brass	Copper Alloy
3	Brass	Copper Alloy

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.