KSD308 Snap-Action Thermostat

Product Technical Datasheet | Configuration Options



Product overview
The KSD308 series thermostat is a four-pole temperature control device designed for high-power heating equipments. It provides circuit switching through a multi-contact mechanism when the preset temperature is reached.

Electrical rating
AC 400 V | 45 A / 60 A

Contact structure
Four-Pole Single-Throw

Reset type
Manual Reset

Typical applications
Wall-hung boilers, electric water heaters, heat pumps, and other high-power heating equipments.

Key Technical Specifications

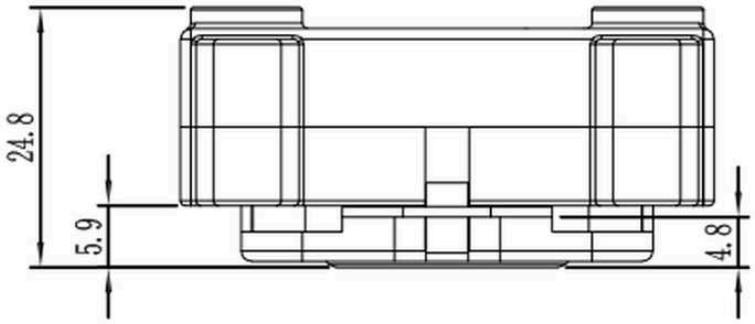
Parameter	Specification / Options
Rated voltage	AC 400 V
Rated current	45 A / 60 A (resistive load)
Contact structure	Four-Pole Single-Throw (4PST) One pole for ground control
Contact form	Normally open (NO) / Normally closed (NC)
Reset type	Manual Reset
Temperature sensing element	Bimetallic disc
Housing material	Phenolic
Operating temperature range	45°C to 150°C
Temperature tolerance	±3°C to ±5°C
Contact resistance	≤ 50 mΩ
Insulation resistance	≥ 100 MΩ
Dielectric strength	1500 V AC / 5 mA / 1 min
Electrical life	3,000 cycles
Ambient temperature	160°C
Terminal type	Crimp terminals
Product certification	CQC: CQC19002213894

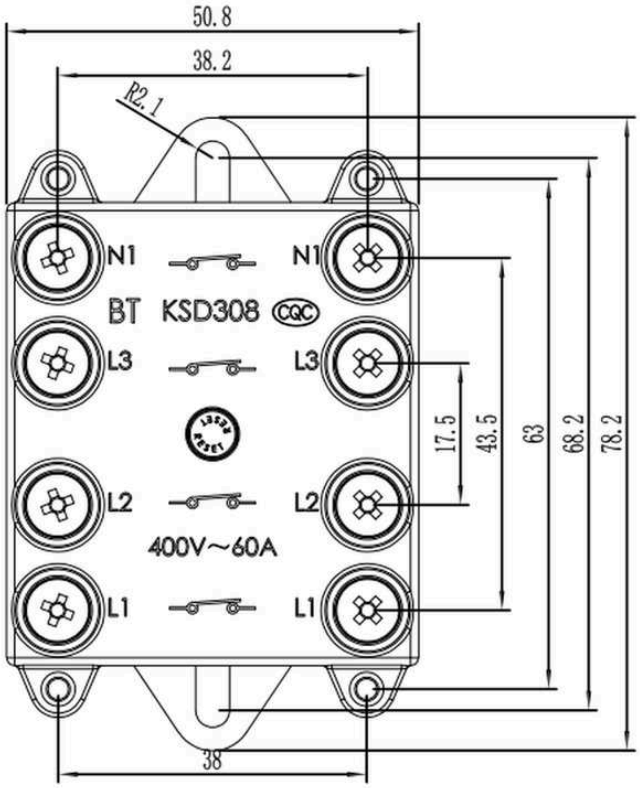
Zhongshan Boantai Electric Technology Co., Ltd.
A high-tech enterprise specializing in flow sensors, flow switchs, water pumps, solenoid valves, safety insulation valves, and thermostats R&D, manufacturing & sales.

Address: No. 5, Shengping North Road, Nantou Town, Zhongshan City, Guangdong Province, China
Email: info@boantai.com

Mechanical Design & Dimensions

Illustrated Mechanical Drawing





Drawing reference: The supplied drawing shows a 95°C cut-out configuration and a 400 V / 60 A marking.
The operating temperature range is 45°C to 150°C; confirm the required set point for each order.

Selection & Ordering Information

Configuration Selection

Selection item	Available options / details to confirm
Model	KSD308
Rated voltage	AC 400 V
Rated current	45 A / 60 A
Contact form	NO / NC
Reset type	Manual Reset
Operating temperature	45°C to 150°C
Temperature differential / tolerance	±3°C to ±5°C
Mounting bracket angle	90° fixed
Terminal type	Crimp terminals

Ordering Information

Please specify KSD308 + rated voltage (AC 400 V) + rated current (45 A / 60 A) + contact orm(NO / NC) + reset type (Manual Reset) + operating temperature + mounting bracket (90° fixed) + terminal type (crimp).

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