

Threaded thermostat KSD301

250V/10A, NC

Product codes:

Reference: AM9342

EAN13: -

UPC: 90321020



Product features:

Current: Max. 10 A

Voltage: Max. 250 V

Connector: Faston 6.3 mm

Contact: NC (Normally Closed)

Waterproof grade: IP65

Product attributes:

Action temperature: 40 °C, 45 °C, 50 °C, 55 °C, 60 °C, 65 °C, 70 °C, 75 °C, 80 °C, 85 °C, 90 °C, 95 °C, 100 °C, 105 °C, 110 °C, 115 °C, 120 °C, 125 °C, 130 °C, 135 °C, 140 °C, 145 °C, 150 °C, 155 °C, 160 °C, 165 °C, 170 °C, 175 °C, 180 °C, 185 °C, 190 °C, 195 °C, 200 °C, 205 °C, 210 °C, 220 °C, 230 °C, 240 °C, 245 °C, 250 °C, 260 °C, 270 °C

Thread: M3, M4, M5, M6, M10x1

Product description:

Fully encapsulated bimetallic thermostat type KSD301 designed for reliable monitoring and protection against exceeding the set temperature. The thermostat is equipped with a thread for fixed mounting into metal parts of the device and has an NC (normally closed) contact, i.e. at a lower temperature it is closed and when the activation temperature is reached it opens the circuit. Thanks to the IP65 protection it is also suitable for more demanding operating conditions.

Technical specifications

- Thermostat type: KSD301
- Contact: NC (normally closed)
- Working voltage: max. 250 V AC
- Working current: max. 10 A
- Contact load: 110 V AC / 15 A, 24 V DC / 20 A, 12 V DC / 30 A
- Contact resistance: 50 mΩ
- Insulation resistance: 100 MΩ
- Connectors: Faston 6.3 mm
- Thread: M3 / M4 / M5 / M6 (depending on variant)
- Body material: bakelite, from 120°C ceramic
- Dimensions: 33 × 20 mm
- Wrench size: 17mm (open or ring)
- Weight: 25g
- Protection: IP65
- Reset: automatic

Functions and features

- Automatic disconnection when the set activation temperature is reached
- Re-closing after cooling to reset temperature
- Fully encapsulated design for long life
- Easy assembly with thread
- High current carrying capacity of contacts

Ideal for

- Thermal protection of motors and transformers
- Heating devices and temperature control
- Power supplies and industrial electronics
- Fans, heaters and power modules

Table of operating and reset temperatures

The KSD301 thermostat works with automatic reset. When the operating temperature is reached, the contact opens and after cooling to the reset temperature, the contact closes again.

- 25 °C ±5 °C → reset 10 °C ±5 °C
 - 30 °C ±5 °C → reset 15 °C ±5 °C
 - 35 °C ±5 °C → reset 20 °C ±5 °C
 - 40 °C ±5 °C → reset 25 °C ±5 °C
 - 45 °C ±5 °C → reset 30 °C ±5 °C
 - 50 °C ±5 °C → reset 35 °C ±5 °C
 - 55 °C ±5 °C → reset 40 °C ±5 °C
 - 60 °C ±5 °C → reset 45 °C ±5 °C
 - 65 °C ±5 °C → reset 50 °C ±5 °C
 - 70 °C ±5 °C → reset 55 °C ±5 °C
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- 75 °C ±5 °C → reset 60 °C ±5 °C
- 80 °C ±5 °C → reset 65 °C ±5 °C
- 85 °C ±5 °C → reset 70 °C ±5 °C
- 90 °C ±5 °C → reset 75 °C ±5 °C
- 95 °C ±5 °C → reset 80 °C ±5 °C
- 100 °C ±5 °C → reset 80 °C ±10 °C
- 105 °C ±5 °C → reset 85 °C ±10 °C
- 110 °C ±5 °C → reset 90 °C ±10 °C
- 115 °C ±5 °C → reset 95 °C ±10 °C
- 120 °C ±5 °C → reset 100 °C ±10 °C
- 125 °C ±5 °C → reset 105 °C ±10 °C
- 130 °C ±5 °C → reset 110 °C ±10 °C
- 135 °C ±5 °C → reset 115 °C ±10 °C
- 140 °C ±5 °C → reset 120 °C ±10 °C
- 145 °C ±5 °C → reset 125 °C ±10 °C
- 150 °C ±5 °C → reset 130 °C ±10 °C
- 155 °C ±5 °C → reset 135 °C ±10 °C
- 160 °C ±5 °C → reset 140 °C ±10 °C
- 165 °C ±5 °C → reset 145 °C ±10 °C
- 170 °C ±5 °C → reset 150 °C ±10 °C
- 175 °C ±5 °C → reset 150 °C ±10 °C
- 180 °C ±5 °C → reset 155 °C ±10 °C

Package contents

- 1× KSD301 thermostat with thread

Why choose this product?

- Proven and widespread industrial type KSD301
- High reliability and long service life
- Wide range of activation temperatures
- Easy to install and universal use

Product gallery:

