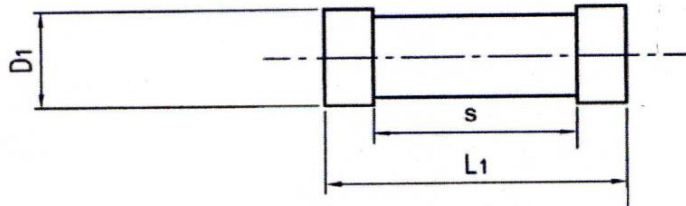


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Description Thermiac thermal switch primarily intended for low voltage applications.
Tubular design, non sealed construction , not resettable

Dimensions (mm)



L1 9.6 +/- 0.8
s 6 minimum
D1 3.2 +/- 0.2
Weight 0.50g (approx)
d 0.6 +/- 0.06

Non dimensioned details do no affect performance
All parts are RoHS compliant
The terminations are suitable for clamping

1. RATINGS AND CHARACTERISTICS (in operating temperature range unless otherwise specified)

Climatic category :	0/50/14
Rated functioning temperature T_f :	85 °C max.
Operating temperature (1) :	80 °C ± 5 °C.
Holding temperature T_h :	50 °C
Maximum temperature limit T_m (2) :	110 °C
Maximum working voltage in operating temperature range :	3 V 30V @ 100mA max
Minimum insulation resistance before operation :	10 MΩ
Maximum internal resistance after operation (3) :	10 Ω
Maximum continuous current after operation (4) :	100 mA
Minimum withstanding AC voltage before operation :	2 kV
Minimum withstanding impulse voltage before operation :	4 kV
Maximum capacitance value before operation :	10 pF
Operating temperature range at maximum working voltage :	0 °C to 50 °C

Notes

- 1 Operating temperature is the actual operating temperature range when the thermal switch is made to operate inside a constant temperature oven whose temperature is raised at the rate of 1 °C/min. while a detection current of 30 mA or lower is applied.
- 2 Maximum temperature limit is the temperature up to which thermal switch will not change its state of conductivity without impairing.
- 3 Resistance value measured at 25°C with a current of min 10 mA.
- 4 Measured in still air at 25°C with device clamped at min. 30 mm from body

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2: Conditions of use :

- 1 Primarily intended for low voltage indoor use on fixed building and infrastructure.
- 2 Not intended for frequent vibrating applications, if required consult us.
- 3 Not intended for use in applications where inductive or magnetic fields can be present
- 4 Can be mounted in any direction
- 6 Not intended for long term exposure above 50°C.
- 7 Should be stored in a cool dry place, not above 40°C, 60%rh yearly average

3: Standards

Thermiac devices have been tested and quality measured in accordance with IEC 60691 - Thermal-links – Requirements and application guide-Edition 3.0

Thermiac devices are RoHS compliant in accordance with Directive 2002/95/EC

IMPORTANT

Thermiac devices must not be subjected to storage, transport or installation temperatures in excess of 40°C.

Peccater Thermiac Devices are fully protected by worldwide patents

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