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3106U 00450126



3106 Series Hermetic Thermostats

Actual product appearance may vary.

Features

Hermetically sealed
Tight tolerances
Tight differentials
Logic level contacts

Potential Applications

Computers
Medical electronics
Power supplies
Industrial controls
Test equipment
Infotech

Description

The 3106 Series consists of a single pole, single throw switch activated by a snap-action bimetal disc. Temperature calibrations are pre-set at the factory and each unit is 100% thermally and mechanically inspected. It is available to open or close on temperature rise. The case is laser welded to form a hermetically-sealed steel housing with a glass-to-metal seal at the terminal junction. It is manufactured and tested to meet or exceed critical commercial and industrial specifications. They have gold alloy contacts for low voltage applications.

Supporting Documentation

None Available

Product Specifications	
Functional Properties	Open on rise
Reset Type	Automatic
Amperage	100 mA/500 mA
Voltage	120 Vac/50 Vdc
Operating Temperature Range	-29 °C to 204 °C [-20 °F to 400 °F]
Environmental Exposure Range	-62 °C to 260 °C [-80 °F to 500 °F]
Open Temperature	71.1 °C [160 °F]
Close Temperature	60.0 °C [140 °F]
Open Tolerance	2.8 °C [5 °F]
Close Tolerance	2.8 °C [5 °F]
Dielectric Strength	MIL-STD-202, Method 301; 1250 Vac 60 Hz - Terminal to Case
Insulation Resistance	MIL-STD-202, Method 302; Cond. B - 500 MOhm - 500 Vdc applied
Contact Resistance	MIL-STD-202, Method 307; 0.050 Ohm
Hermetic Seal	MIL-STD-202, Method 112; Cond. 1x10 ⁻⁵
Moisture Resistance	MIL-STD-202, Method 106
Housing Material	Steel housing hermetically sealed with glass-to-metal seal at terminal junction
Contact Material	WE -1 gold alloy cross point
Approvals	UL
Mounting	B208 fixed bracket
Series Name	3106

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