Honeywell

Honeywell Sensing and Control

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3106 00040028

Actual product appearance may vary.

3106 Series Hermetic Thermostats

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Features

Hermetically sealed
Tight tolerances
Tight differentials
Logic level contacts

Potential Applications

Computers
Medical electronics
Pow er supplies
Industrial controls
Test equipment
Infotech

Description

The 3106 Series consists of a single pole, single throw sw itch 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 w elded to form a hermetically-sealed steel housing w ith 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	Close 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	107.2 °C [225 °F]
Close Temperature	23.9 °C [75 °F]
Open Tolerance	6.7 °C [12 °F]
Close Tolerance	5.6 °C [10 °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
Mounting	B214 fixed bracket
Series Name	3106