

Honeywell Sensing and Control



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3601 080010001

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3601 Series TO-5 Thermal Switches

Features

Hermetically sealed
TO-5 package
Logic level contacts

Potential Applications

Power supplies
Logic boards
Telecommunications
Medical electronics
Robotics

Description

The 3601 Series consists of a single pole, single throw, bimetal snap-action switch available to open or close on temperature rise. These devices are specifically designed and often suited for mounting on products such as printed circuit boards to protect against hazardous temperatures associated with the thermal density of components on backplanes, flexible circuitry and sophisticated time-based circuits. These hermetically-sealed products have gold contacts for logic level switching. They have no power budget and are wave solderable.

Supporting Documentation

None Available

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Product Specifications	
Functional Properties	Close on rise
Reset Type	Automatic
Amperage	1.0 A resistive max.
Voltage	28 Vac/Vdc
Operating Temperature	40 °C to 120 °C [104 °F to 248 °F]
Environmental Exposure Range	-50 °C to 150 °C [-58 °F to 302 °F]
Open Temperature	57.2 °C min. w/2.2 °C min. diff. [135 °F min. w/4 °F min. diff.]
Close Temperature	80.0 °C [176 °F]
Close Tolerance	7.2 °C [13 °F]
Hermetic Seal	1x10-3
Housing Material	Metal TO-5 package
Contact Material	WE -1 gold alloy cross point

Mounting	Wave solderable TO-5 package
Series Name	3601

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