

# Flat Heaters for Enclosures



## Applications

The flat heater is used to provide evenly distributed temperature within enclosures with electric or electronic components. Its ultra-thin design makes it particularly suitable for high-density applications in which standard enclosure heaters are often too big. Depending on the application, the flat heater can be used as a convection heater or as a contact heater. When used as a contact heater, it offers thermoconductive contact to a component or cabinet wall. Additionally, a specially designed mounting system compensates for thermal expansion of the heater body. Operated as a convection heater, the slim heater warms up the ambient air within a cabinet and is designed for continuous operation.

## Features

- Contact/convection heater
- Ultra flat design - only 0.32in [8 mm]} thick
- Compact
- Easy, firm installation
- Screw fixing
- Linear expansion compensation
- Integrated temperature cut-out
- Ready-to-use with strain relief

## Listings

- UL File E234324



50W Flat Heater  
061000-00



100W Flat Heater  
061010-00

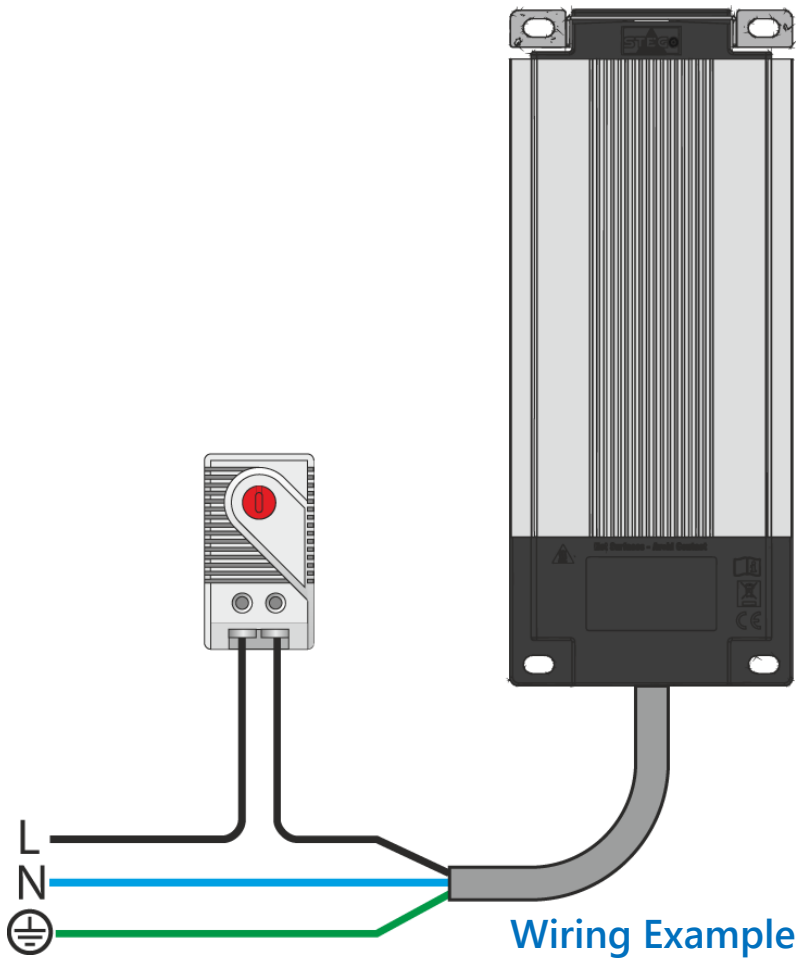
### Flat Heaters Specifications

<b>Heating Element</b>	Resistance heater
<b>Overheat Protection</b>	With automatic reset
<b>Heater Body</b>	aluminum profile
<b>Surface Temperature</b>	Max. 302 °F [150 °C] at 77 °F [25 °C]
<b>Connection</b>	Silicone cable (halogen-free) 3 x AWG 18 [0.75 mm <sup>2</sup> ], length 3.3ft [1m]
<b>Housing</b>	Plastic, UL 94V-0, black
<b>Mounting Hardware</b>	M6 screws
<b>Mounting Position</b>	Horizontal, variable connection or vertical, connection on bottom
<b>Operating Temperature</b>	-40 to 140 °F [-40 to 60°C]
<b>Storage Temperature</b>	-40 to 185°F [-40 to 85°C]
<b>Operating / Storage Humidity</b>	Max. 90% RH (non-condensing)
<b>Protection Class</b>	I (earthed)
<b>Protection Type</b>	IP30
<b>Approvals</b>	UL File E234324, VDE, EAC, CE

### Flat Heaters for Enclosures

Part Number	Price	Operating Voltage	Heating Capacity	Weight (approx.)	Drawing Link
<a href="#">061000-00</a>	\$149.00	AC 230V 50/60Hz	50W	0.88 lb [0.4 kg]	<a href="#">PDF</a>
<a href="#">061010-00</a>	\$170.00	AC 230V50/60 Hz	100W	1.54 lb [0.7 kg]	<a href="#">PDF</a>
<a href="#">061009-00</a>	\$149.00	AC 120V 50/60 Hz	50W	0.88 lb [0.4 kg]	<a href="#">PDF</a>
<a href="#">061019-00</a>	\$170.00	AC 120V 50/60 Hz	100W	1.54 lb [0.7 kg]	<a href="#">PDF</a>

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Size Reference