

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

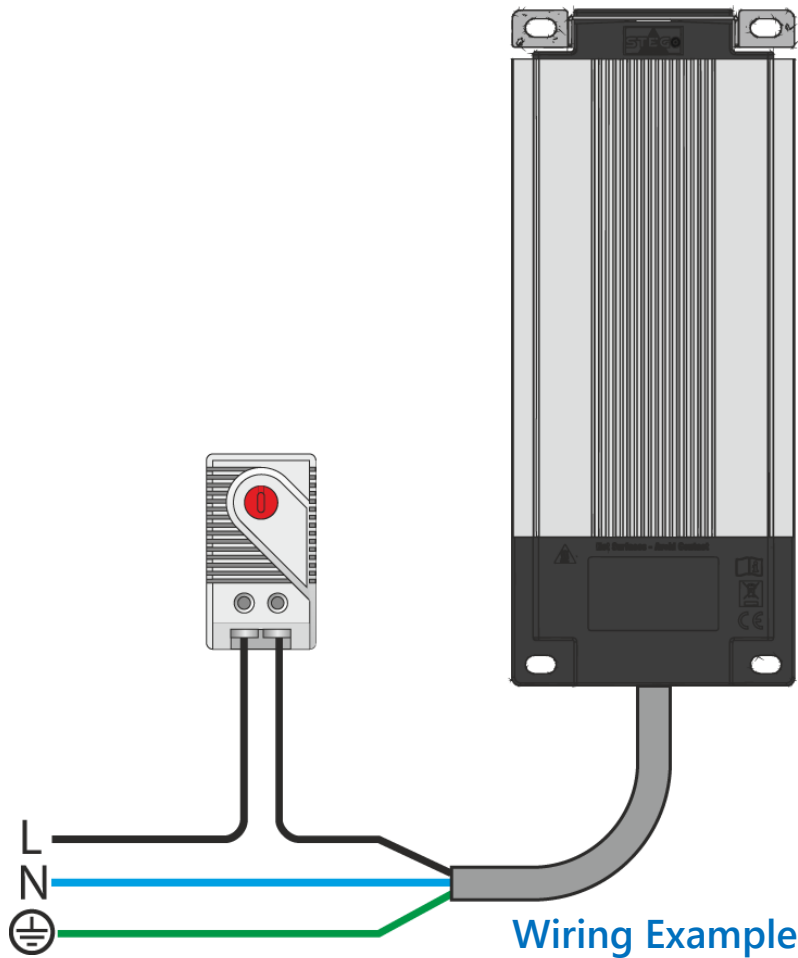
Flat Heaters Specifications

Heating Element	Resistance heater
Overheat Protection	With automatic reset
Heater Body	aluminum profile
Surface Temperature	Max. 302 °F [150 °C] at 77 °F [25 °C]
Connection	Silicone cable (halogen-free) 3 x AWG 18 [0.75 mm²], length 3.3ft [1m]
Housing	Plastic, UL 94V-0, black
Mounting Hardware	M6 screws
Mounting Position	Horizontal, variable connection or vertical, connection on bottom
Operating Temperature	-40 to 140 °F [-40 to 60 °C]
Storage Temperature	-40 to 185 °F [-40 to 85 °C]
Operating / Storage Humidity	Max. 90% RH (non-condensing)
Protection Class	I (earthed)
Protection Type	IP30
Approvals	UL File E234324, VDE, EAC, CE

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Part Number	Price	Operating Voltage	Heating Capacity	Weight (approx.)	Drawing Link
061000-00	\$-0417y:	AC 230V 50/60Hz	50W	0.88 lb [0.4 kg]	PDF
061010-00	\$-0417z:	AC 230V50/60 Hz	100W	1.54 lb [0.7 kg]	PDF
061009-00	\$-04181:	AC 120V 50/60 Hz	50W	0.88 lb [0.4 kg]	PDF
061019-00	\$-04182:	AC 120V 50/60 Hz	100W	1.54 lb [0.7 kg]	PDF

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Size Reference