

# Touch-Safe Heater CS 060 Series (semiconductor)

50W to 150W



- Low surface temperature**
- Quick mounting due to clip fixing**
- Double insulated (plastic)**
- Wide voltage range**
- Small size**

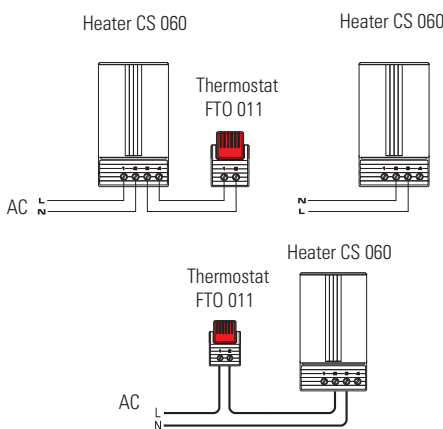
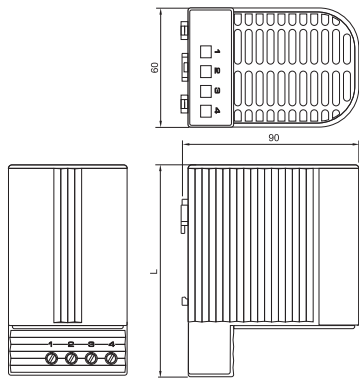
Touch-safe heater for the use in enclosures with electrical/electronic components. The design of the heater supports the natural convection which results in a high air-current of warm air. The surface temperatures on the accessible side surfaces of the housing are kept down as a result of the heater design. Our complete range of thermostats and hygrostats can directly be connected to the heater CS 060. This heater is also available in a version with plug-in thermostat requiring no additional wiring (CSF 060). The heaters are designed for permanent operation.



### Technical Data

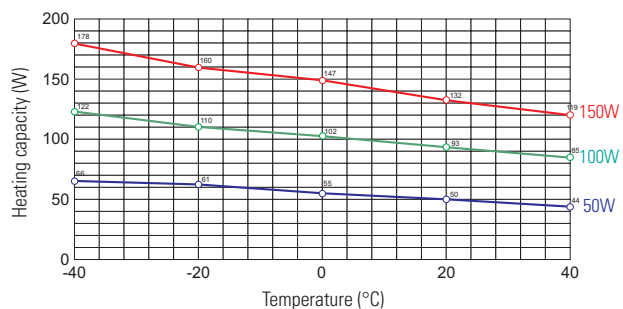
<b>Operating voltage</b>	120-240V AC/DC* (min. 110V, max. 265V)
<b>Heating element</b>	PTC resistor - temperature limiting
<b>Surface temperature</b>	< 80°C (176°F), except upper protective grille
<b>Connection</b>	4-pole terminal 2,5mm <sup>2</sup> , torque 0.8Nm max.
<b>Casing</b>	plastic according to UL94 V-0, black
<b>Mounting</b>	clip for 35mm DIN rail, EN 60715
<b>Fitting position</b>	vertical airflow (air outlet up, connection on bottom)
<b>Operating / Storage temperature</b>	-45 to +70°C (-49 to +158°F)
<b>Operating / Storage humidity</b>	max. 90 % RH (non-condensing)
<b>Protection type / Protection class</b>	IP20 / II (double insulated)
<b>Approvals</b>	VDE + UL File No. E150057 (according to UL 499, intended for the use within an enclosure in accordance with UL 508A)
<b>Note</b>	other voltages on request

\*Operating with voltages below 140V AC/DC reduces heating performance by approx. 10%.



Examples of connection

Heating capacity / Ambient temperature diagram CS 060



Art. No.	Heating capacity <sup>1)</sup>	Inrush current max.	Pre-fuse T (time-delay)	Air outlet temperature <sup>2)</sup>	Dimensions	Weight (approx.)
06000.0-00	50W	2.5A	4A	+86°C (186.8°F)	110 x 60 x 90mm	0.3kg
06010.0-00	100W	4.5A	8A	+120°C (248°F)	110 x 60 x 90mm	0.3kg
06020.0-00	150W	8A	8A	+145°C (293°F)	150 x 60 x 90mm	0.5kg

<sup>1)</sup> ambient temperature - see Heating capacity / Ambient temperature diagram; <sup>2)</sup> measured 50mm above protective grille;

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