

# TOUCH-SAFE HEATER (SEMICONDUCTOR)

CS 060 | 50W to 150W



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

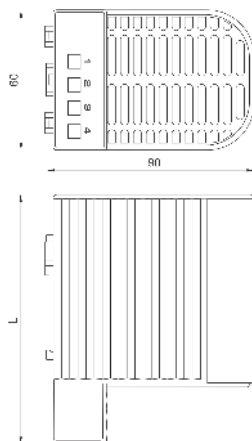
Touch-safe heater for the use in enclosures with electrical/electronic components. The design of the heater supports the natural convection which results in a high air-current of warm air. The surface temperatures on the accessible side surfaces of the housing are kept down as a result of the heater 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.



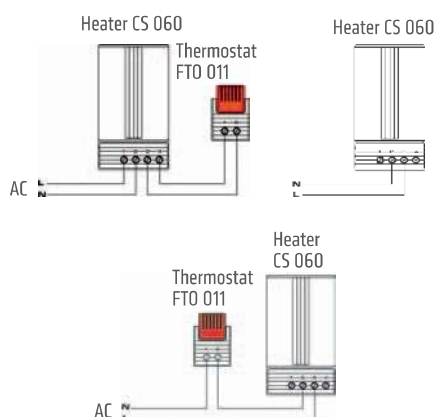
## TECHNICAL DATA

Operating voltage	120 - 240V AC/DC <sup>1</sup> (min, 110V, max, 265V)
Heating element	PTC resistor - temperature limiting
Surface temperature	< +80°C (+176°F), except upper protective grille
Connection	4-pole terminal 2.5mm <sup>2</sup> , torque 0.8Nm max.
Casing	plastic according to UL94 V-0, black
Mounting	clip for 35mm DIN rail, EN 60715
Fitting position	vertical airflow (air outlet up, connection on bottom)
Operating/Storage temperature	-45 to +70°C (-49 to +158°F)
Operating/Storage humidity	max. 90% RH (non-condensing)
Protection type/Protection class	IP20 / II (double insulated)
Approvals	VDE, UL File No. E150057, GOST TR
Note	other voltages on request

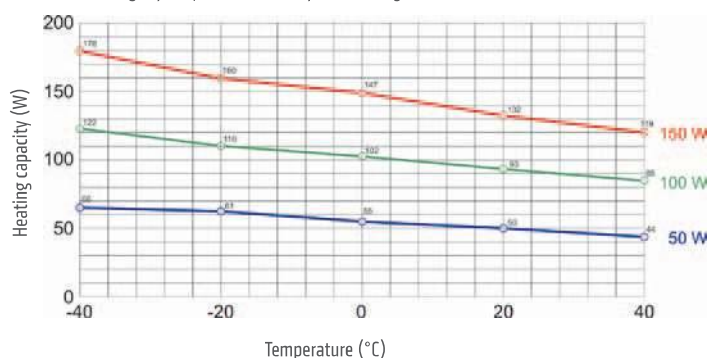
<sup>1</sup> Operating with voltages below 140V AC/DC reduces heating performance by approx. 10%.



## Examples of connection



Heating capacity / Ambient temperature diagram CS 060



Art. No.	Heating capacity <sup>2</sup>	Inrush current (max.)	Pre-fuse T (time-delay)	Air outlet temperature <sup>3</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>2</sup> ambient temperature - see Heating capacity / Ambient temperature diagram; <sup>3</sup> measured 50mm above protective grille