

## Touch Safe Heater 100W



- 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 "Heater 100w-TSF". This heater is also available in a version with plug-in thermostat requiring no additional wiring. The heaters are designed for permanent operation.

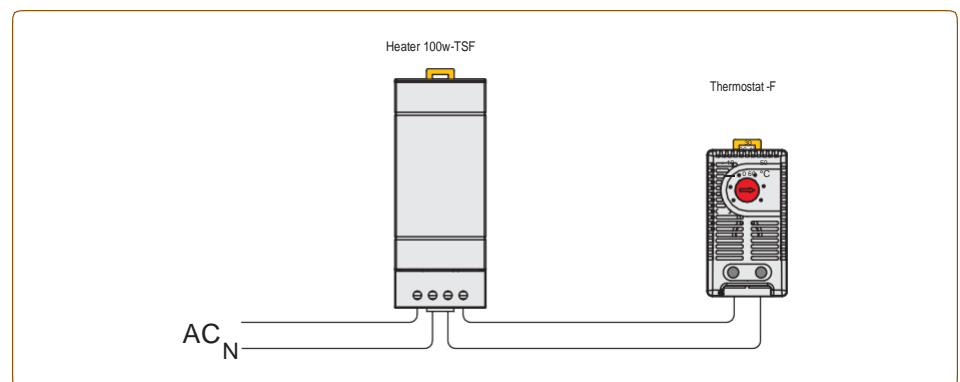
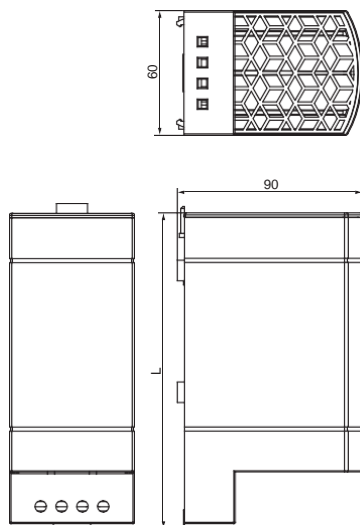
### Technical Data

CE RoHS ISO9001 Patent

Heater 100w-TSF	
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)
Note	other voltages on request

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

### Examples of connection



Model	Heating capacity <sup>2</sup>	Air outlet temperature <sup>3</sup>	Dimensions	Weight (approx.)
Heater 100w-TSF	100W	+120°C (+248°F)	150 x 60 x 90mm	0.4kg

<sup>2</sup> ambient temperature - see Heating capacity / Ambient temperature diagram;

<sup>3</sup> measured 50mm above protective grille