

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

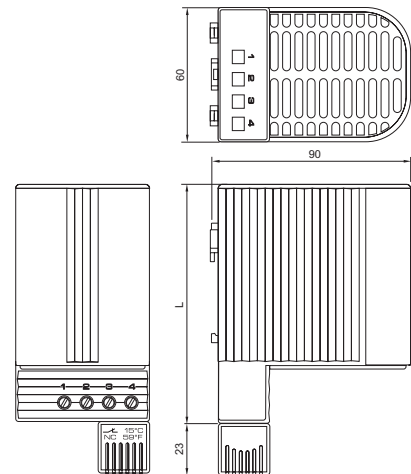
Touch-safe heater for the use in enclosures with electrical/electronic components. The design of the heater supports the natural convection which results in a high air-current of warm air. The surface temperatures on the accessible side surfaces of the housing are kept down as a result of the heater design. This model with plug-in thermostat does not require additional wiring. The heaters are designed for the permanent operation. This heater is also available in a version without thermostat (CS 060).



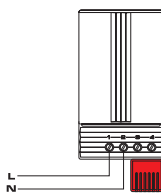
Technical Data:

Operating voltage	120-240VAC* (min. 110V, max. 265V)
Heating element	PTC resistor, temperature limiting
Surface temperature	<80°C, except upper protective grille
Connection	4-pole terminal 2.5mm ² , torque 0.8Nm max.
Casing	Plastic according to UL94 V-0, black
Mounting	Clip for 35mm DIN rail, EN 60715
Fitting position	Vertical
Op./storage temp.	-20 to +70°C / -45 to +70°C
Prot. type / Prot. class	IP20 / II (double insulated)
Approvals	VDE + UL File No. E150057 (acc. to UL499 in combination with UL508A)
Note	Other voltages on request

*Op. with voltages below 140VAC reduces heating performance by approx. 10%

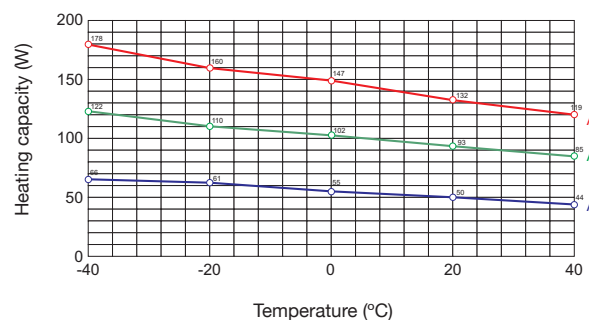


Heater CSF 060



Example of connection

Heating capacity / Ambient temperature diagram CSF 060



Art. No.	Heating capacity*	Inrush current max.	Air outlet temperature ²⁾	Switch-off temperature ³⁾	Starting temperature ³⁾	Dimensions	Weight (approx.)
	50W	2.5A	+86°C	+15°C	+5°C	110 x 60 x 90mm	0.3kg
	50W	2.5A	+86°C	+25°C	+15°C	110 x 60 x 90mm	0.3kg
	100W	4.5A	+120°C	+15°C	+5°C	110 x 60 x 90mm	0.3kg
	100W	4.5A	+120°C	+25°C	+15°C	110 x 60 x 90mm	0.3kg
	150W	8A	+145°C	+15°C	+5°C	150 x 60 x 90mm	0.5kg
	150W	8A	+145°C	+25°C	+15°C	150 x 60 x 90mm	0.5kg

¹⁾ambient temperature - see Heating capacity / Ambient temperature diagram; ²⁾measured 50mm above protective grille; ³⁾tolerance of ±5K.