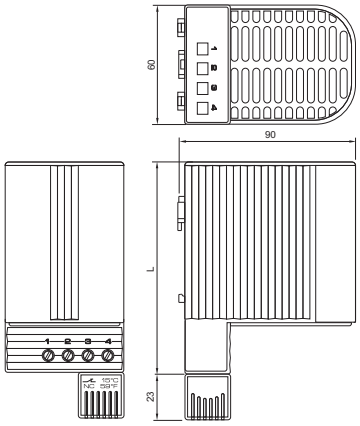
Touch-Safe Heater CSF 060 Series 50W to 150W (semiconductor)



- 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/electronical 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 permanent operation. This heater is also available in a version without thermostat (CS 060).

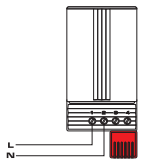


Technical Data

Operating voltage	120-240VAC* (min. 110V, max. 265V)
Heating element	PTC resistor - temperature limiting
Surface temperature	< 80°C (176°F), except upper protective grille
Connection	2-pole terminal 2,5mm², 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	-40 to +70°C (-40 to +158°F) / -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
Note	other voltages on request

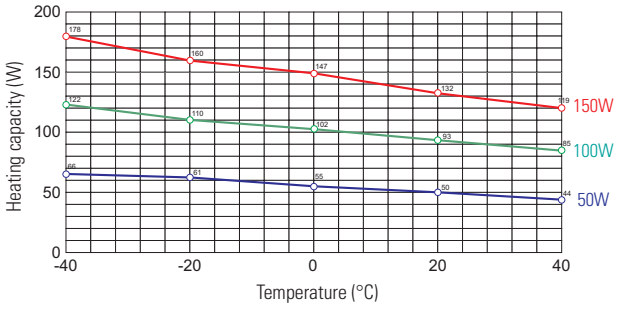
*Operating with voltages below 140VAC reduces heating performance by approx. 10%.

Heater CSF 060



Example of connection

Heating capacity / Ambient temperature diagram CSF 060



Art. No.	Heating capacity[1]	Inrush current max.	Pre-fuse T (time-delay)	Air outlet temperature[2]	Switch-off temperature[3]	Switch-on temperature[3]	Dimensions	Weight (approx.)
06001.0-00	50W	2.5A	4A	+86°C (186.8°F)	+15°C (59°F)	+5°C (41°F)	110 x 60 x 90mm	0.3kg
06002.0-00	50W	2.5A	4A	+86°C (186.8°F)	+25°C (77°F)	+15°C (59°F)	110 x 60 x 90mm	0.3kg
06011.0-00	100W	4.5A	8A	+120°C (248°F)	+15°C (59°F)	+5°C (41°F)	110 x 60 x 90mm	0.3kg
06012.0-00	100W	4.5A	8A	+120°C (248°F)	+25°C (77°F)	+15°C (59°F)	110 x 60 x 90mm	0.3kg
06021.0-00	150W	8A	8A	+145°C (293°F)	+15°C (59°F)	+5°C (41°F)	150 x 60 x 90mm	0.5kg
06022.0-00	150W	8A	8A	+145°C (293°F)	+25°C (77°F)	+15°C (59°F)	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;

Specifications are subject to change without notice. Errors and omissions excepted. Suitability of this product for its intended use and any associated risks must be determined by the end customer/ buyer in its final application. 04.08.2010