# ENCLOSURE HEATER WITH FAN

## CSF 028 | 02821.0-09




This PTC enclosure heater with fan and fixed thermostat provides condensation protection in the enclosure and casing. It is particularly space-saving. The integrated fixed thermostat is available in two temperature presets. The heating is touch-safe for the application thanks to the touch-safe plastic coating of the heater body.

- PTC heating element: temperature-limiting, direct response behaviour
- Touch-safe heat protection, therefore safe to touch
- Screw fixing and mounting with clip fixing for DIN rail 35 mm possible
- Electrical connection via pressure clamps
- Temperature safety cut-out to prevent overheating

## OVERVIEW TECHNICAL DATA

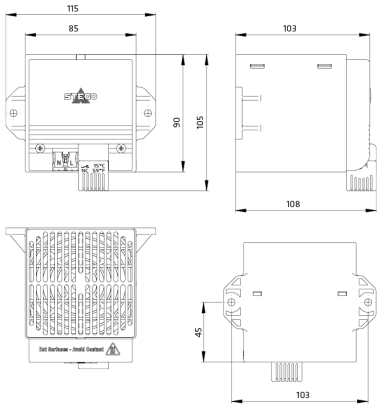
| | |
|---|---|
| Device type | Fan heater; Integrated control; Touchsafe |
| Protection class | II |
| Protection type | IP20 |
| Heating element | PTC resistor (PTC) |
| Casing | Plastic to UL94 V-0, black |
| AC/DC | AC |
| Operating voltage | 230 V |
| Inrush current | 9 A |
| Frequency | 50;60 Hz |
| Heating capacity | 250 W |
| Switch-off temperature | 25 °C |
| Switch-on temperature | 15 °C |
| Operating temperature | -45 °C - 70 °C |
| Operating humidity | ≤90 % RH |
| Storage humidity | ≤90 % RH |
| Storage temperature | -45 °C - 70 °C |
| Connection type | Connection terminal |
| Torque | 0,8 Nm max. |
| Connection | 2-pole clamp 2.5 mm² |
| Mounting | Clip for 35 mm DIN rail |
| Installation position | Airflow direction "in" vertical / connection at the bottom |
| Height | 90 mm |
| Width | 85 mm |
| Depth | 113 mm |
| Weight | 500 g |

| | |
|---|---|
| Item number accessories 1 | 252017 |
| Accessory 1 | Air routing for improved heat distribution |
| Note | Other voltages on request;Tolerance ±5 K;Heating capacity at +20 °C (+68 °F) ambient temperature; switch-on temperature tolerance at +5K, other switch-off and switch-on temperatures on request. |

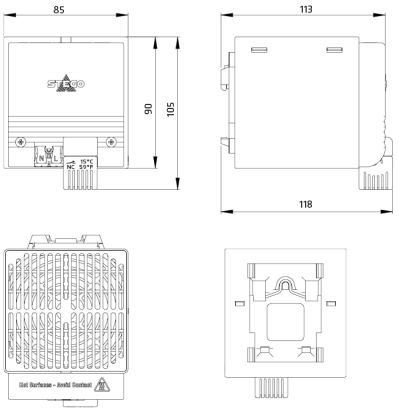
## ACCESSORIES

| Article number | packaging_size | Casing | Height | Width | Depth | Weight |
|---|---|---|---|---|---|---|
| 252017 | 1 Piece | Plastic to UL94 V-0, black | 12 mm | 85 mm | 85 mm | 500 g |

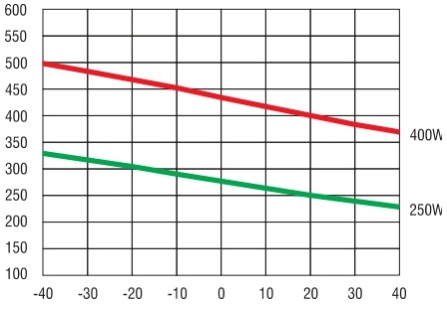
## TECHNICAL DRAWINGS




CSF 028 screw flange fixing View: back side




CSF 028 clip fixing View: back side




Connection example

