ENCLOSURE HEATER WITH FAN

CSF 028



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 behavior
- 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
Frequency	50;60 Hz
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
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.

PRODUCT VARIANTS

Article number	Operating voltage	Inrush current	Heating capacity	Switch-off temperature	Switch-on temperature	Mounting
02820.0-06	230 V	15 A	400 W	15 °C	5 °C	Clip for 35 mm DIN rail
02820.0-08	230 V	15 A	400 W	15 °C	5 °C	Screw fixing
02820.0-09	230 V	15 A	400 W	25 °C	15 °C	Clip for 35 mm DIN rail
02820.0-11	230 V	15 A	400 W	25 °C	15 °C	Screw fixing
02820.9-06	120 V	9 A	400 W	15 °C	5 °C	Clip for 35 mm DIN rail
02820.9-08	120 V	9 A	400 W	15 °C	5 °C	Screw fixing
02820.9-09	120 V	9 A	400 W	25 °C	15 °C	Clip for 35 mm DIN rail
02820.9-11	120 V	9 A	400 W	25 °C	15 °C	Screw fixing
02821.0-06	230 V	9 A	250 W	15 °C	5 °C	Clip for 35 mm DIN rail
02821.0-08	230 V	9 A	250 W	15 °C	5 °C	Screw fixing
02821.0-09	230 V	9 A	250 W	25 °C	15 °C	Clip for 35 mm DIN rail
02821.0-11	230 V	9 A	250 W	25 °C	15 °C	Screw fixing
02821.9-06	120 V	6 A	250 W	15 °C	5 °C	Clip for 35 mm DIN rail
02821.9-08	120 V	6 A	250 W	15 °C	5 °C	Screw fixing
02821.9-09	120 V	6 A	250 W	25 °C	15 °C	Clip for 35 mm DIN rail
02821.9-11	120 V	6 A	250 W	25 °C	15 °C	Screw fixing

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