

**FAN HEATER 150 - 400 W PTC  
CS028/CSL028**

02811.9-00

CSL 028 250W Fan heater, 120V ac, clip fixing

- Very compact design
- Quiet operation
- Dynamic heating
- Quick fastener for DIN rail or screw assembly

**PRODUCT DESCRIPTION**

CS028/CSL028 range is a high performance PTC fan heater; it prevents the formation of condensation and provides an even temperature within the enclosure.

It has a very compact design and is well-suited for use in cabinets and enclosures where space is at a premium.

Because the heater is dual isolated with a plastic casing, the surface temperature never exceeds 50 °C on the 150/250W and 65 °C on the 400 W unit. This means the heater can be mounted relatively close to other components in the same installation, and there is no risk for heat damage.

You can choose between brackets for DIN rails or screw assembly.

**TECHNICAL DATA****GENERAL DATA**

Heat output	250 W
Nominal voltage	120 V AC
Frequency	50/60 Hz
Heater body	Plastic
Material of body	Plastic
Mounting	Clip on, DIN rail
Colour	Black
Number of fans	1
Connection type	2-pole terminal for 2.5 mm <sup>2</sup> cable (with strain relief)

Heat source	Self-regulating PTC-element
Starting current max	6 A
Recommended fuse (slow blow)	10 A
Life span	40 000 h @ +40 °C (+104 °F)
Air capacity	54 m³/h

## DIMENSIONS

Height	90 mm
Width	85 mm
Depth	111 mm
Weight	0.5 kg
Tightening torque for cable	0.8

## SAFETY & APPROVALS

Protection class	II (double insulated)
IP class	IP20
Approvals	CE, cULus, EAC, RoHS, UL, UL E150057
Flammability class	UL94-V0
Overheating protection	PTC temperature limiting

## RATED OPERATING CONDITIONS

Operational temperature	-45°C ... +70°C
Storage temperature	-45°C ... +70°C
Operating humidity	< 90% RH
Humidity storage	<90% RH
Voltage min	120 V ac
Voltage max	120 V ac
Country of origin	Germany
Fan	Axial fan, ball bearing
Housing	Plastic enclosure, UL94 V-0

# Thermostat KTO011 Heater CS(L) 028

