

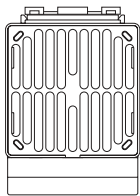
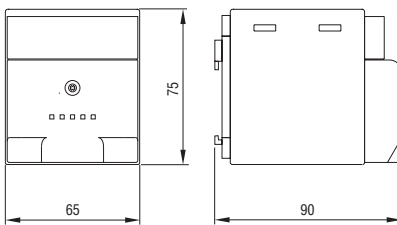


- **Small, compact design**
- **Quiet in operation**
- **Dynamic heating up**
- **Clip or screw fixing**

Fan heater prevents formation of condensation and provides an evenly distributed interior air temperature in enclosures with electric/electronic components. The heater is connected using the internal terminal connectors. The CS 028's small size make it ideal for use in enclosures where space is at a premium.



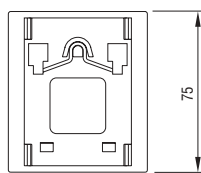
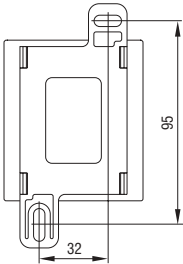
Technical Data	
Heating element	PTC heating element
Current at make	max. 2A at 230VAC, max. 5A at 120VAC
Surface temperature	max. 50°C at casing; 100°C at upper protective grille at 20°C (68°F) ambient temperature
Axial fan, ball bearing	air flow 13.8 m³/h, free flow (service life 40,000h at 40°C)
Connection	2-pole clamp max. 2.5mm², clamping screw max. torque 0.8Nm
Mounting	clip for 35 mm DIN rail, EN 50022 or screw fixing (Ø 5.3 mm)
Casing	plastic according to UL94-0, black
Weight	approx. 0.30kg
Fitting position	vertical
Operating/storage temperature	-45 to +70°C (-49 to +158°F)
Prot. type/prot. class	IP20 / II (double insulated)
Note	other voltages on request



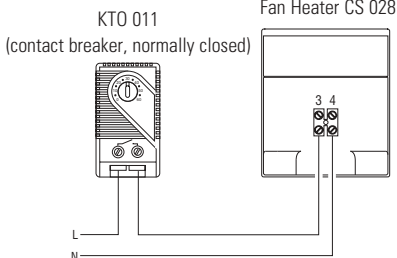
View: back side

Screw fixing

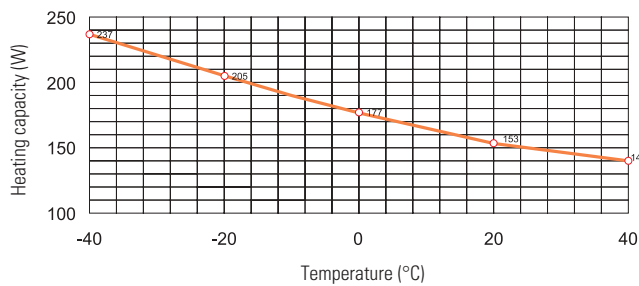
Clip fixing



Example of connection



Heating capacity / Ambient temperature diagram
CS 028 (150W)



Art. No.	Operating voltage	Heating capacity*	Dimensions	Mounting	Approvals
02800.0-00	230VAC, 50/60Hz	150W	87 x 65 x 75mm	Clip fixing	VDE intended
02800.0-01	230VAC, 50/60Hz	150W	87 x 65 x 114mm	Screw fixing	VDE intended
02800.9-00	120VAC, 50/60Hz	150W	87 x 65 x 75mm	Clip fixing	-
02800.9-01	120VAC, 50/60Hz	150W	87 x 65 x 114mm	Screw fixing	-

*at 20°C (68°F) ambient temperature