

TOUCH-SAFE PTC FAN HEATER

CS 028 / CSL 028 | 150 - 400 W



Photo: Fan Heater CSL 028

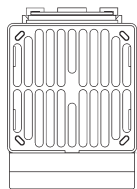
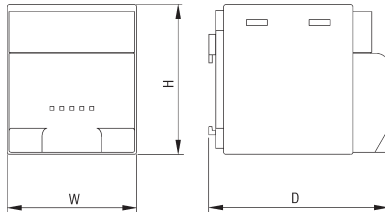
- > Compact size
- > Quiet operation
- > DIN rail or screw mount available
- > Heating power adjusts to ambient temperature

The CS 028 / CSL 028 fan heater prevents formation of condensation and provides an evenly distributed interior air temperature in enclosures. The heater is connected using the internal terminal connectors. The surface temperatures on the accessible side surfaces of the housing are minimized as a result of the heater design. The small size of the CS 028 / CSL 028 make it ideal for use in enclosures where space is at a premium.

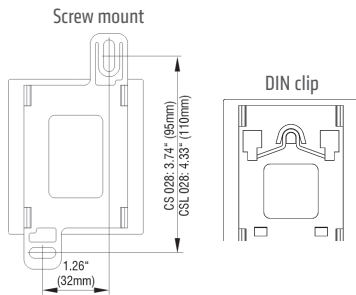


TECHNICAL DATA

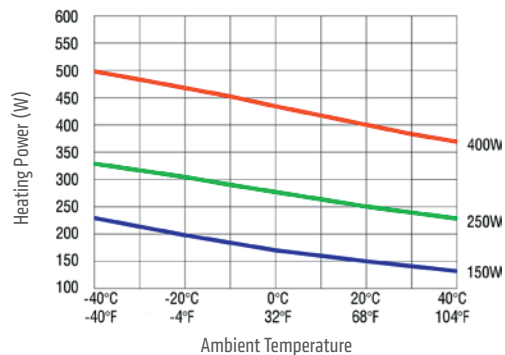
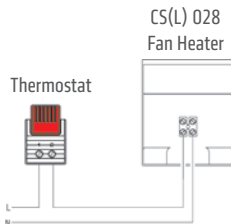
Heating element	PTC resistor - temperature limiting
Surface temperature	150 W / 250 W: max. 122 °F (50 °C) except upper protective grill 400 W: max. 149 °F (65 °C) except upper protective grill measured at 68 °F (20 °C) ambient temperature
Axial fan, ball bearing	service life 40,000 h at 104 °F (40 °C)
Air flow, free blowing	CS 028: 8 cfm (13.8 m ³ /h) CSL 028: 32 cfm (54 m ³ /h) @ AC 120 V; 26 cfm (45 m ³ /h) @ AC 230 V
Connection	2-pole terminal AWG 14 max. (2.5 mm ²) with strain relief, torque 0.8 Nm max.
Housing	plastic, UL 94V-0, black
Mounting	screw mount or clip for 35 mm DIN rail, EN 60715
Mounting position	vertical
Operating / Storage temperature	-49 to +158 °F (-45 to +70 °C)
Operating / Storage humidity	max. 90 %RH (non-condensing)
Protection class / Protection type	II (double insulated) / IP20
Approvals	UL File No. E234324 (all), GOST TR (all), VDE (AC 230 V only)
Note	other voltages available upon request



View: back side



Wiring example



Part No. - DIN mount	Part No. - screw mount	Series	Operating voltage	Heating capacity ¹	Max. current (inrush)	Dimensions (H x W x D)	Weight (approx.)
02800.0-00	02800.0-01	CS 028	AC 230 V, 50/60 Hz	150 W	12 A	2.95 x 2.56 x 3.54" (75 x 65 x 90 mm)	10.6 oz. (300 g)
02800.9-00	02800.9-01	CS 028	AC 120 V, 50/60 Hz	150 W	6 A	2.95 x 2.56 x 3.54" (75 x 65 x 90 mm)	10.6 oz. (300 g)
02810.0-00	02810.0-01	CSL 028	AC 230 V, 50/60 Hz	400 W	15 A	3.54 x 3.35 x 4.37" (90 x 85 x 111 mm)	17.6 oz. (500 g)
02810.9-00	02810.9-01	CSL 028	AC 120 V, 50/60 Hz	400 W	9 A	3.54 x 3.35 x 4.37" (90 x 85 x 111 mm)	17.6 oz. (500 g)
02811.0-00	02811.0-01	CSL 028	AC 230 V, 50/60 Hz	250 W	9 A	3.54 x 3.35 x 4.37" (90 x 85 x 111 mm)	17.6 oz. (500 g)
02811.9-00	02811.9-01	CSL 028	AC 120 V, 50/60 Hz	250 W	6 A	3.54 x 3.35 x 4.37" (90 x 85 x 111 mm)	17.6 oz. (500 g)

¹ at 68 °F (20 °C) ambient temperature

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