

## CSF 060 Touch-Safe PTC Heater 50 - 150 W



**Low surface temperature**

**Integrated thermostat**

**Compact size**

**Wide voltage range**

**Double insulated protection**

**DIN rail mountable**

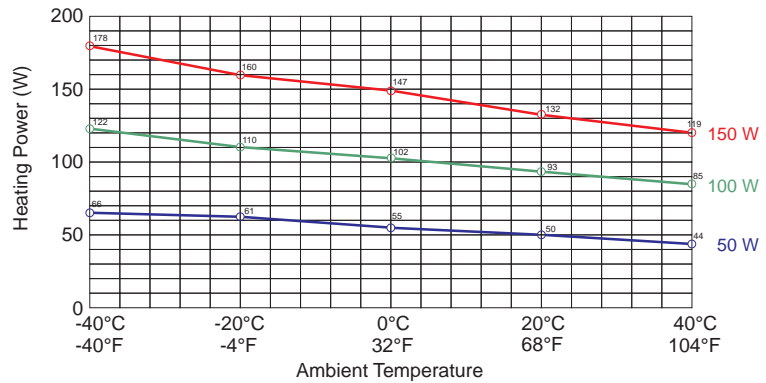
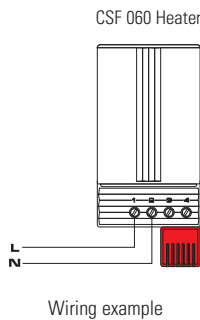
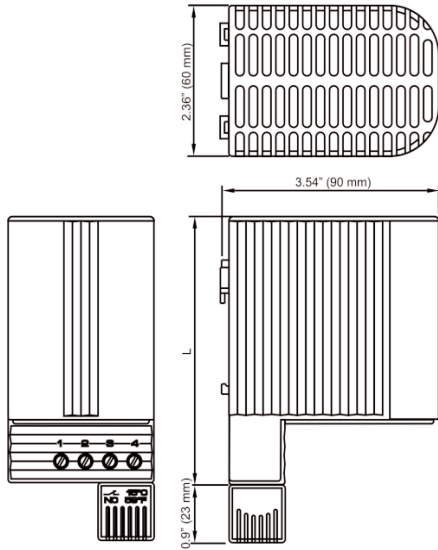
The CSF 060 is a touch-safe heater for use in enclosures. The design of the heater utilizes natural convection which results in a circulating current of warm air. The surface temperatures on the accessible side surfaces of the housing are minimized as a result of the heater design. This model with plug-in thermostat does not require additional wiring. The CSF 060 is also available in a version without thermostat (CS 060).



### Technical Data

<b>Operating voltage*</b>	AC/DC 120-240 V (min. 110 V, max. 265 V)
<b>Heating capacity</b>	see table
<b>Heating element</b>	PTC resistor - temperature limiting
<b>Surface temperature</b>	< 176 °F (80 °C), except upper protective grill
<b>Connection</b>	4-pole terminal AWG 14 max (2.5 mm <sup>2</sup> ), torque 0.8 Nm max.
<b>Housing</b>	plastic, UL 94V-0, black
<b>Mounting</b>	clip for 35 mm DIN rail, EN 60715
<b>Mounting position</b>	vertical
<b>Operating / Storage temperature</b>	-40 to +158 °F (-40 to +70 °C) / -49 to +158 °F (-45 to +70 °C)
<b>Protection class</b>	II (double insulated)
<b>Protection type</b>	IP20
<b>Approvals</b>	VDE

\*Operating with voltages below AC/DC 140 V reduces heating performance by approx. 10%.



Part No.	Heating capacity <sup>1)</sup>	Max. current (inrush)	Air outlet temperature <sup>2)</sup>	Switch-off temperature <sup>3)</sup>	Switch-on temperature <sup>3)</sup>	Dimensions	Weight (approx.)
06001.0-00	50 W	2.5 A	187 °F (86 °C)	59 °F (15 °C)	41 °F (5 °C)	5.24 x 2.36 x 3.54" (133 x 60 x 90 mm)	10.8 oz. (305 g)
06002.0-00	50 W	2.5 A	187 °F (86 °C)	77 °F (25 °C)	59 °F (15 °C)	5.24 x 2.36 x 3.54" (133 x 60 x 90 mm)	10.8 oz. (305 g)
06011.0-00	100 W	4.5 A	248 °F (120 °C)	59 °F (15 °C)	41 °F (5 °C)	5.24 x 2.36 x 3.54" (133 x 60 x 90 mm)	11.2 oz. (320 g)
06012.0-00	100 W	4.5 A	248 °F (120 °C)	77 °F (25 °C)	59 °F (15 °C)	5.24 x 2.36 x 3.54" (133 x 60 x 90 mm)	11.2 oz. (320 g)
06021.0-00	150 W	8.0 A	293 °F (145 °C)	59 °F (15 °C)	41 °F (5 °C)	6.8 x 2.36 x 3.54" (173 x 60 x 90 mm)	15.9 oz. (450 g)
06022.0-00	150 W	8.0 A	293 °F (145 °C)	77 °F (25 °C)	59 °F (15 °C)	6.8 x 2.36 x 3.54" (173 x 60 x 90 mm)	15.9 oz. (450 g)

<sup>1)</sup> see Heating capacity / Ambient temperature diagram

<sup>2)</sup> measured 2" (50 mm) above protective grill

<sup>3)</sup> tolerance of ± 5K