TOUCH-SAFE HEATER 50 TO 150 W

CSF060 Series Starts at $60

1 YEAR WARRANTY

- Low Surface Temperature
- Integrated Thermostat
- DIN Rail Mountable Allows for Quick Mounting
- Double Insulated (Plastic)
- Wide Voltage Range
- Small Size

Touch-safe heater for the use in enclosures with electrical/electronic components. The design of the heater supports the natural convection which results in a high air-current of warm air. The surface temperatures on the accessible side surfaces of the housing are kept down as a result of the heater design. This model with plug-in thermostat does not require additional wiring. The heaters are designed for permanent operation. This heater is also available in a version without thermostat (CS 060).

CSF06001, $60, shown larger than actual size.

SPECIFICATIONS

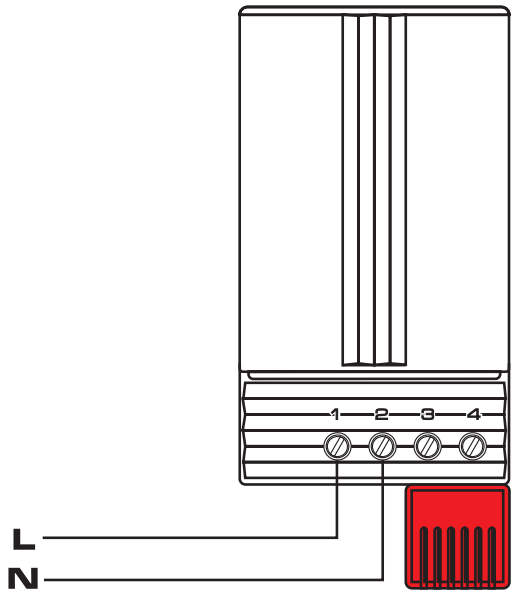
Operating Voltage: 120 to 240 Vac* (min 110V, max 265V)
Heating Capacity: See table
Heating Element: PTC resistor: temperature limiting
Surface Temperature: <80°C (176°F), except upper protective grille
Connection: 4-pole terminal 2.5 mm², (0.10 in²) torque 0.8 Nm max
Casing: Plastic according to UL94 V-0, black
Mounting: Clip for 35 mm (1.4") DIN rail, EN 50022
Fitting Position: Vertical
Temperature
Operating: -40 to 70°C (-40 to 158°F)
Storage: -45 to 70°C (-49 to 158°F)

Protection Type/Protection Class: NEMA 2 (IP20)/II (double insulated)
Approvals: VDE

Note: *Other voltages on request*
** Operating with voltages below 140 Vac reduces heating performance by approximately 10%.*

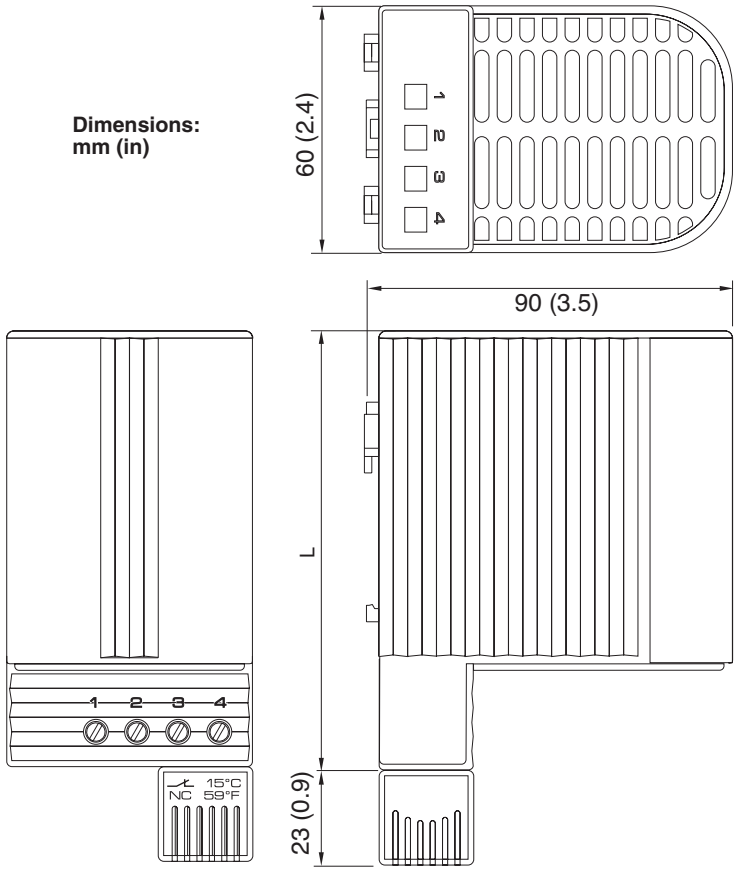
Model No.	CSF06001	CSF06011	CSF06021
Heating Capacity[1]	50 W	100 W	150 W
Inrush Current Max	2.5 A	4.5 A	8 A
Air Outlet Temperature[2]	86°C (186.8°F)	120°C (248°F)	145°C (293°F)
Switch-Off Temperature[3]	15°C (59°F)	15°C (59°F)	15°C (59°F)
Starting Temperature[3]	5°C (41°F)	5°C (41°F)	5°C (41°F)
Dimensions	110 x 60 x 90 mm (4.3 x 2.4 x 3.5")	110 x 60 x 90 mm (4.3 x 2.4 x 3.5")	150 x 60 x 90 mm (5.9 x 2.4 x 3.5")
Weight (Approx)	0.30 kg (10.6 oz)	0.30 kg (10.6 oz)	0.50 kg (17.6 oz)

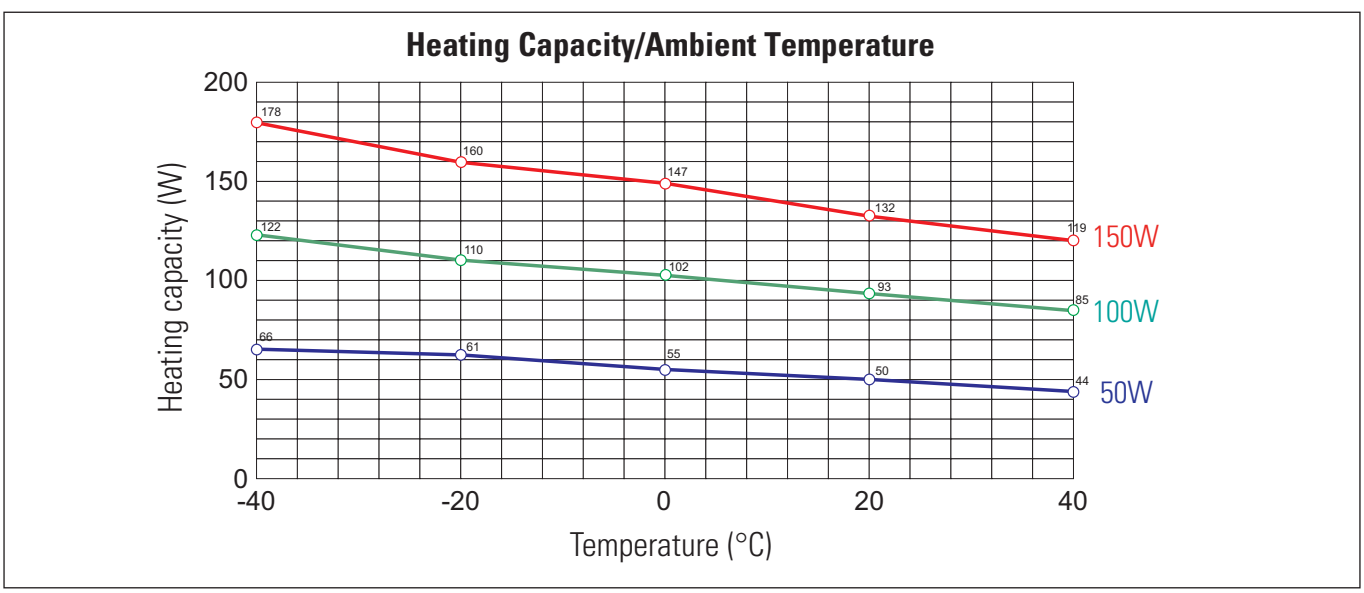
1 *Ambient temperature: See heating capacity/ambient temperature diagram*
2 *Measured 50 mm (2.0") above protective grille*
3 *Tolerance of ±5K*



Example of connection

Dimensions: mm (in)





To Order *(Specify Model Number)*

AVAILABLE FOR FAST DELIVERY!

MODEL NO.	PRICE	DESCRIPTION
CSF06001	$60	Enclosure heater, 50 W, 120 to 240 Vac, with fixed point thermostat 15°C (59°F) open/5°C (41°F) close
CSF06011	83	Enclosure heater, 100 W, 120 to 240 Vac, with fixed point thermostat 15°C (59°F) open/5°C (41°F) close
CSF06021	94	Enclosure heater, 150 W, 120 to 240 Vac, with fixed point thermostat 15°C (59°F) open/5°C (41°F) close

Comes complete with operator's manual.
Ordering Example: CSF06001, *enclosure heater,* ***$60.***

omega.com®

Your One-Stop Source for Process Measurement and Control!

One Omega Drive | Stamford, CT 06907 | 1-888-TC-OMEGA (1-888-826-6342) | info@omega.com

www.omega.com

UNITED STATES
www.omega.com
1-800-TC-OMEGA
Stamford, CT.

CANADA
www.omega.ca
Laval(Quebec)
1-800-TC-OMEGA

GERMANY
www.omega.de
Deckenpfronn, Germany
0800-8266342

UNITED KINGDOM
www. omega.co.uk
Manchester, England
0800-488-488

FRANCE
www.omega.fr
Guyancourt, France
088-466-342

CZECH REPUBLIC
www.omegaeng.cz
Karviná, Czech Republic
596-311-899

BENELUX
www.omega.nl
Amstelveen, NL
0800-099-33-44

More than 100,000 Products Available!

- **Temperature**

Calibrators, Connectors, General Test and Measurement Instruments, Glass Bulb Thermometers, Handheld Instruments for Temperature Measurement, Ice Point References, Indicating Labels, Crayons, Cements and Lacquers, Infrared Temperature Measurement Instruments, Recorders Relative Humidity Measurement Instruments, RTD Probes, Elements and Assemblies, Temperature & Process Meters, Timers and Counters, Temperature and Process Controllers and Power Switching Devices, Thermistor Elements, Probes and Assemblies, Thermocouples Thermowells and Head and Well Assemblies, Transmitters, Wire

- **Flow and Level**

Air Velocity Indicators, Doppler Flowmeters, Level Measurement, Magnetic Flowmeters, Mass Flowmeters, Pitot Tubes, Pumps, Rotameters, Turbine and Paddle Wheel Flowmeters, Ultrasonic Flowmeters, Valves, Variable Area Flowmeters, Vortex Shedding Flowmeters

- **pH and Conductivity**

Conductivity Instrumentation, Dissolved Oxygen Instrumentation, Environmental Instrumentation, pH Electrodes and Instruments, Water and Soil Analysis Instrumentation

- **Data Acquisition**

Auto-Dialers and Alarm Monitoring Systems, Communication Products and Converters, Data Acquisition and Analysis Software, Data Loggers Plug-in Cards, Signal Conditioners, USB, RS232, RS485 and Parallel Port Data Acquisition Systems, Wireless Transmitters and Receivers

- **Pressure, Strain and Force**

Displacement Transducers, Dynamic Measurement Force Sensors, Instrumentation for Pressure and Strain Measurements, Load Cells, Pressure Gauges, Pressure Reference Section, Pressure Switches, Pressure Transducers, Proximity Transducers, Regulators, Strain Gages, Torque Transducers, Valves

- **Heaters**

Band Heaters, Cartridge Heaters, Circulation Heaters, Comfort Heaters, Controllers, Meters and Switching Devices, Flexible Heaters, General Test and Measurement Instruments, Heater Hook-up Wire, Heating Cable Systems, Immersion Heaters, Process Air and Duct, Heaters, Radiant Heaters, Strip Heaters, Tubular Heaters

• ***click here to go to the omega.com home page*** •