

SEMICONDUCTOR FAN HEATER

CR 027 | up to 650 W



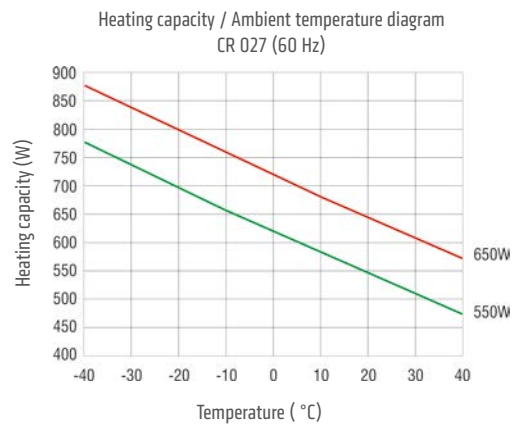
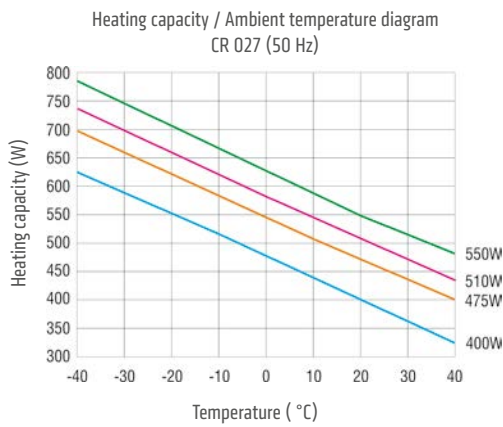
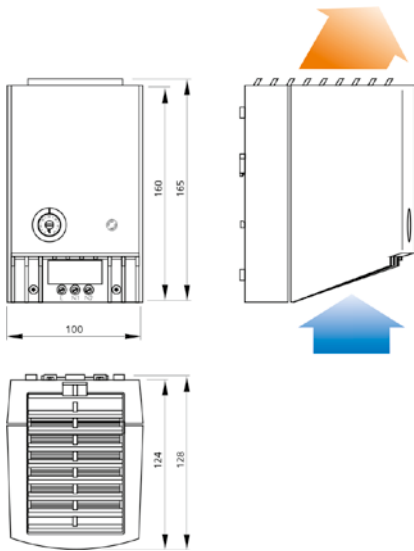
- > Compact heater
 - > Integrated thermostat
 - > Clip fixing
- > Optical indicator
 - > Temperature safety cut-out

Semiconductor fan heater prevents formation of condensation and frost and provides an evenly distributed interior air temperature in enclosures with electric/electronic components. The integrated thermostat is used to set the desired temperature.



TECHNICAL DATA

| | |
|----------------------------------|--|
| Heating element | PTC resistor – temperature limiting |
| Temperature safety cut-out | to protect against overheating in case of fan failure, automatic reset |
| Axial fan, ball bearing | airflow see table service life 50,000 h at +25 °C (+77 °F) |
| Connection | 2-pole clamp 2.5 mm ² , clamping torque 0.8 Nm max |
| Casing | plastic according to UL94 V-0, light grey |
| Optical indicator | thermostat control lamp |
| Mounting | clip for 35 mm DIN rail, EN 60715 |
| Fitting position | vertical airflow (air outlet up) |
| Dimensions | 100 x 128 x 165 mm |
| Operating/Storage temperature | -45 to +70 °C (-49 to +158 °F) |
| Operating/Storage humidity | max. 90 % RH (non-condensing) |
| Protection type/Protection class | IP20 / II (double insulated) |
| Approvals | VDE, UL File No. E204590, EAC |



| Art. No. | Operating voltage | Heating capacity ¹ (50 Hz) | Heating capacity ¹ (60 Hz) | Inrush current max. | Recommended pre- fuse T (time-delay) | Airflow, free flow | Setting range thermostat ² | Weight (approx.) |
|------------|--------------------------|--|--|------------------------|---|-----------------------|--|---------------------|
| 02700.0-00 | AC 220 – 240 V, 50/60 Hz | 475 W | 550 W | 11.0 A | 10.0 A | 35 m ³ /h | 0 to +60 °C | 0.9 kg |
| 02701.0-00 | AC 220 – 240 V, 50/60 Hz | 550 W | 650 W | 13.0 A | 10.0 A | 45 m ³ /h | 0 to +60 °C | 1.1 kg |
| 02700.9-00 | AC 100 – 120 V, 50/60 Hz | 400 W | 550 W | 14.0 A | 10.0 A | 35 m ³ /h | +32 to +140 °F | 0.9 kg |
| 02701.9-00 | AC 100 – 120 V, 50/60 Hz | 510 W | 650 W | 15.0 A | 10.0 A | 45 m ³ /h | +32 to +140 °F | 1.1 kg |

¹ at +20 °C (+68 °F) ambient temperature; ² Switch temperature difference 7 K (±4 K tolerance)