

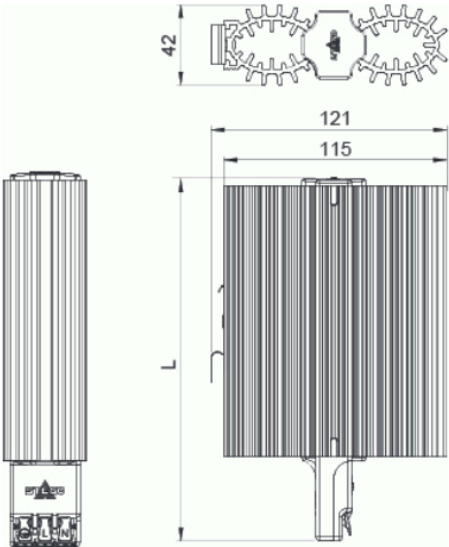
ENCLOSURE HEATER

LP 165



Compact loop heater based on PTC heating elements for heating casings with electrical or electronic installations. The innovative aluminium profile in loop design creates an optimised chimney effect for safe temperature control of the enclosure. Quick and easy installation / electrical contacting using pressure clamps.

- Quick installation thanks to clip fixing and pressure clamp
- Dynamic heating through PTC technology
- Heater body in loop design for optimum temperature distribution
- Wide voltage range
- Worldwide authorisations



OVERVIEW TECHNICAL DATA

| | |
|------------------|----------------------------|
| Device name | Enclosure heater |
| Device type | Convection heaters |
| Series | LP 165 |
| Protection class | I |
| Protection type | IP20 |
| Connection case | Plastic to UL94 V-0, black |



| | |
|-----------------------------|--|
| Heating element | PTC resistor (PTC) |
| Heater element | Aluminium profile, anodised |
| AC/DC | AC DC |
| Operating voltage | 120 V - 240 V |
| Operating voltage tolerance | 110 V - 265 V |
| Frequency | 50;60 Hz |
| Operating temperature | -45 °C - 70 °C |
| Operating humidity | ≤90 % RH |
| Storage humidity | ≤90 % RH |
| Storage temperature | -45 °C - 70 °C |
| Connection type | Connection terminal |
| Connection | 3 x pressure clamps for 0.5 - 1.5 mm² stranded wire (with wire end ferrule) and 0.5 - 2.5 mm² rigid wire |
| Mounting | Clip for 35 mm DIN rail |
| Installation position | Airflow direction "in" vertical / connection at the bottom |
| Width | 42 mm |
| Depth | 121 mm |
| Note | Heating capacity measured at +20°C (+68°F) ambient temperature. |

PRODUCT VARIANTS

| Article number | Inrush current maximum | Recommended backup fuse | Heating capacity minimum | Height | Weight |
|----------------|------------------------|-------------------------|--------------------------|--------|--------|
| 16501.0-00 | 4 A | 6 A | 60 W | 107 mm | 300 g |
| 16502.0-00 | 4 A | 6 A | 75 W | 107 mm | 300 g |
| 16503.0-00 | 6 A | 8 A | 100 W | 167 mm | 500 g |
| 16504.0-00 | 8 A | 10 A | 150 W | 167 mm | 500 g |