



LOOP HEATERS

ENCLOSURE HEATERS WITH INNOVATIVE HEATING BODY

New enclosure heaters with innovative heating body ranging in power from 10 to 150 W for thermal management applications, even under harsh conditions and vibration loads.

LT 065



LTF 065



LP 165

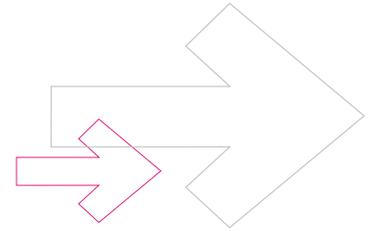


LTS 064



LPS 164





THE NEW PTC HEATERS OF THE LOOP SERIES

Enclosure heaters are the tool of choice for preventing condensation in control cabinets. The new series of compact enclosure heaters from STEGO ensure optimum temperature distribution thanks to the innovative heating body in loop design.



SAFE AND USER-FRIENDLY

Pressure clamp connection reduce installation time for the user by up to 50%. The clamps exert constant pressure on the cables, which provides added security when transporting pre-assembled control cabinets, for example.



GLOBAL APPROVALS

STEGO products are approved and safety certified independently by globally recognised testing institutes such as VDE, UL and EAC.



LOOP-STYLE HEATING BODY

The innovative aluminium loop profile is extremely efficient at absorbing the heat from the PTC heating elements, guarantees optimum heat distribution the control cabinet. and ensures constant heating power throughout the heater's service life.



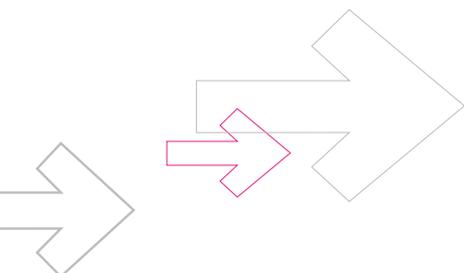
TOUCH-SAFE VERSIONS

The LTS 064, LT 065 and LTF 065 series are designed to be touch-safe. The insulated plastic housings keep the surface temperature under 80°C, thus protecting maintenance and operating personnel from burns in the event of accidental contact.



SCHOCK- UND VIBRATIONSSICHER

All touch-safe loop heaters have been successfully tested for shock and vibration resistance in accordance with the standards DIN EN 60068-2-27:2010-02 and DIN EN 60068-2-64:2009-04 in relation to the standard DIN EN IEC 61373:2011-04, cat. 1 B. This also makes them demonstrably suitable for situations exposed to a strong vibration impact in environments such as rail and mobile applications or wind power.



ENCLOSURE HEATER

LTS 064 | 20 W to 40 W

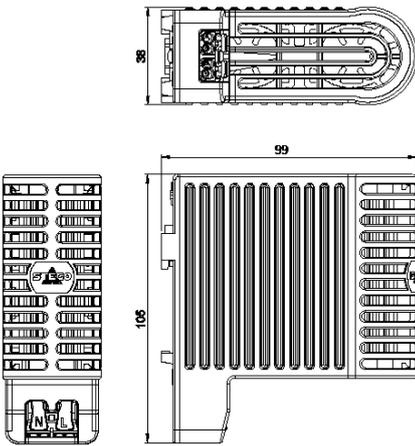


- > Clip fixing and pressure clamp for quick mounting
- > Low surface temperature
- > Earthed plastic casing
- > Wide voltage range
- > Heater body in loop design for optimal temperature distribution
- > Shock and vibration proof

Compact heater for the protection of electrical and electronic components in enclosures. Its design ensures great convection resulting in excellent heat dissipation. A touch-safe plastic cover provides for low surface temperatures on the side of the device. The practical push-in clamping terminal enables quick and easy electrical connection. The heaters are designed for continuous operation.

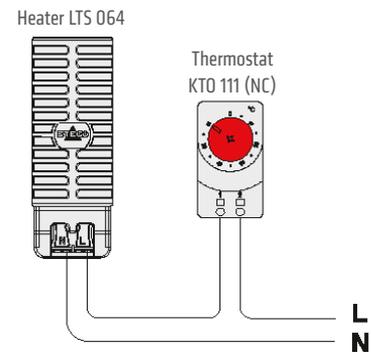


TECHNICAL DATA



Operating voltage	AC/DC 120 –240 V (min. 110 V, max. 265 V)
Heating element	PTC resistor – temperature limiting
Surface temperature	< +80 °C (+176 °F), except upper protective grille
Connection	2 x pressure clamps for stranded wire 0.5 - 1.5 mm ² (with wire end ferule) and rigid wire 0.5 – 2.5 mm ²
Casing	plastic according to UL94 V-0, black and white
Dimensions	105 x 38 x 99 mm
Mounting	clip for 35 mm DIN rail, EN 60715
Fitting position	vertical airflow (air outlet up, connection on bottom)
Operating/Storage temperature	-45 °C to +70 °C (-49 °F to +158 °F)
Operating/Storage humidity	< 90 % RH (non-condensing)
Protection type/Protection class	IP20 / II (double insulated)
Approvals	VDE UL File No. E234324 EAC DIN EN 60068-2-27:2010-02 DIN EN 60068-2-64:2009-04 in connection with DIN EN IEC 61373:2011-04, Cat. 1 B
Note	other voltages on request

Example of connection



Art. No.	Heating capacity ¹	Inrush current max.	Recommended pre-fuse T (time-delay)	Weight (approx.)
06401.0-00	20 W	2.0 A	4.0 A	0.2 kg
06402.0-00	30 W	2.0 A	4.0 A	0.2 kg
06403.0-00	40 W	4.0 A	6.0 A	0.2 kg

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

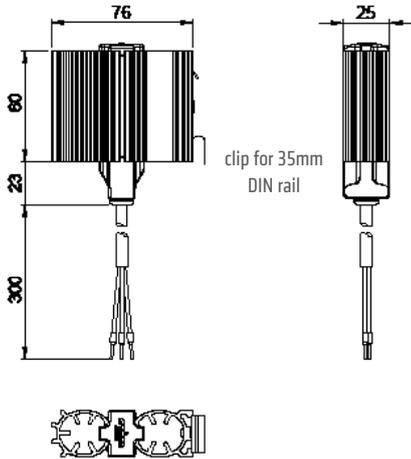
ENCLOSURE HEATER

LPS 164 | 10 W to 50 W



- > Clip fixing for quick mounting
- > Dynamic heating up through PTC technology
- > Heater body in loop design for optimal temperature distribution
- > Wide voltage range
- > Additional approvals

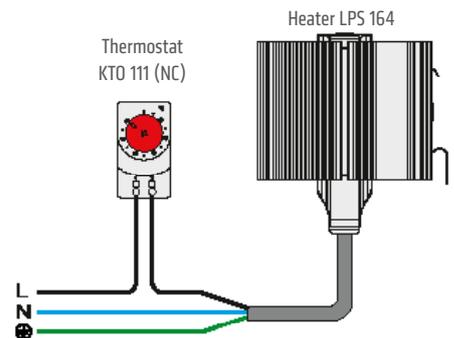
Compact heater with PTC heating elements for heating enclosures with electrical or electronic components. The heater prevents too low temperatures and thus condensation harming the components. The design of the aluminium profile creates a chimney effect, which ensures even temperature distribution within the enclosure. The heaters are designed for continuous operation.



TECHNICAL DATA

Operating voltage	AC/DC 120-240 V (min. 110 V, max. 265 V)
Heating element	PTC resistor - temperature limiting
Heater body	aluminium profile, anodised
Connection	3 x 0.5 mm ² x 300 mm cable
Dimensions	83 x 25 x 76 mm
Mounting	clip for 35 mm DIN rail, EN 60715
Fitting position	vertical airflow (air outlet up, connection on bottom)
Weight	~ 0.2 kg
Operating/Storage temperature	-45 to +70 °C (-49 to +158 °F)
Operating/Storage humidity	< 90 % RH (non-condensing)
Protection type/Protection class	IP20 / I (earthed)
Note	other voltages on request

Example of connection



Art. No.	Heating capacity ¹	Inrush current max.	Recommended pre-fuse T (time-delay)	Approvals
16400.0-00	10 W	2.0 A	4.0 A	VDE EAC
16401.0-00	20 W	2.0 A	4.0 A	VDE EAC
16402.0-00	30 W	2.0 A	4.0 A	VDE EAC
16403.0-00	40 W	4.0 A	6.0 A	VDE EAC
16404.0-00	50 W	4.0 A	6.0 A	VDE EAC
16400.9-00	10 W	2.0 A	4.0 A	UL ² EAC
16401.9-00	20 W	2.0 A	4.0 A	UL ² EAC
16402.9-00	30 W	2.0 A	4.0 A	UL ² EAC
16403.9-00	40 W	4.0 A	6.0 A	UL ² EAC
16404.9-00	50 W	4.0 A	6.0 A	UL ² EAC

¹ measured at +20 °C (+68 °F) ambient temperature; ² according to UL 508 A, File No. E234324

ENCLOSURE HEATER

LT 065 | 50 W to 150 W

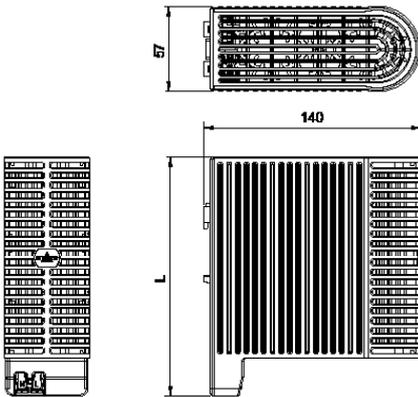


- > Clip fixing and pressure clamp for quick mounting
- > Low surface temperature
- > Earthed plastic casing
- > Wide voltage range
- > Heater body in loop design for optimal temperature distribution
- > Shock and vibration proof

Compact heater for the protection of electrical and electronic components in enclosures. Its design ensures great convection resulting in excellent heat dissipation. A touch-safe plastic cover provides for low surface temperatures on the side of the device. The practical push-in clamping terminal enables quick and easy electrical connection. The heaters are designed for continuous operation. The heater is also available in a version with thermostat (LTF 065 series).



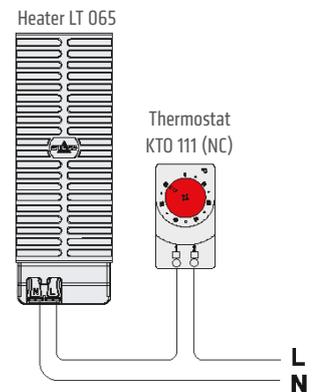
TECHNICAL DATA



Operating voltage	AC/DC 120 –240 V (min. 110 V, max. 265 V)
Heating element	PTC resistor – temperature limiting
Surface temperature	< +80 °C (+176 °F), except upper protective grille
Connection	2 x pressure clamps for stranded wire 0.5 - 1.5 mm ² (with wire end ferule) and rigid wire 0.5 – 2.5 mm ²
Casing	plastic according to UL94 V-0, black and white
Mounting	clip for 35mm DIN rail, EN 60715
Fitting position	vertical airflow (air outlet up, connection on bottom)
Operating/Storage temperature	-45 °C to +70 °C (-49 °F to +158 °F)
Operating/Storage humidity	< 90 % RH (non-condensing)
Protection type/Protection class	IP20 / II (double insulated)
Approvals	VDE UL File No. E234324 EAC DIN EN 60068-2-27:2010-02 DIN EN 60068-2-64:2009-04 in connection with DIN EN IEC 61373:2011-04, Cat. 1 B

Note other voltages on request

Example of connection



Art. No.	Heating capacity ¹	Inrush current max.	Recommended pre-fuse T (time-delay)	Length (L)	Weight (approx.)
06500.0-00	50 W	4.0 A	6.0 A	101 mm	0.4 kg
06503.0-00	100 W	6.0 A	8.0 A	161 mm	0.75 kg
06504.0-00	150 W	8.0 A	10.0 A	161 mm	0.75 kg

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

ENCLOSURE HEATER

LTF 065 | 50 W to 150 W

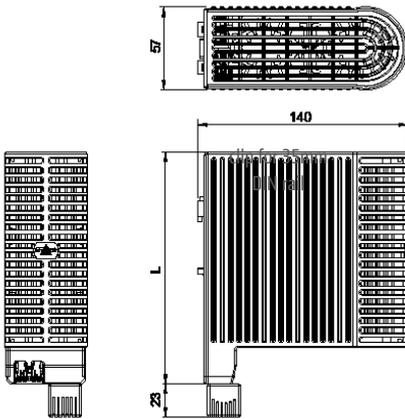


- > Clip fixing and pressure clamp for quick mounting
- > Low surface temperature
- > Earthed plastic casing
- > Wide voltage range
- > Integrated thermostat
- > Heater body in loop design for optimal temperature distribution
- > Shock and vibration proof

Compact heater with PTC heating elements for heating enclosures. The heater prevents low temperature and thus condensation. Its aluminium profile is designed to achieve an optimised chimney effect, which ensures great convection resulting in excellent heat dissipation in the enclosure. The practical push-in clamping terminal enables quick and easy electrical connection. The heaters are designed for continuous operation.



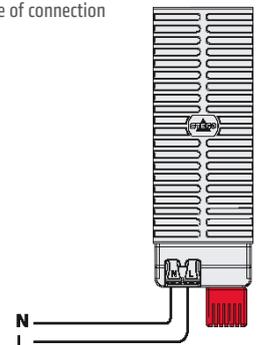
TECHNICAL DATA



Operating voltage	AC/DC 120-240 V (min. 110 V, max. 265 V)
Heating element	PTC resistor - temperature limiting
Surface temperature	< +80 °C (+176 °F), except upper protective grille
Connection	2 x pressure clamps for stranded wire 0.5 - 1.5 mm ² (with wire end ferule) and rigid wire 0.5 - 2.5 mm ²
Casing	plastic according to UL94 V-0, black and white
Mounting	clip for 35mm DIN rail, EN 60715
Fitting position	vertical airflow (air outlet up, connection on bottom)
Operation/Storage temperature	-45 °C to +70 °C (-49 °F to +158 °F)
Operation/Storage humidity	< 90 % RH (non-condensing)
Protection type/Protection class	IP20 / II (double insulated)
Approvals	VDE UL File No. 234324 EAC DIN EN 60068-2-27:2010-02 DIN EN 60068-2-64:2009-04 in connection with DIN EN IEC 61373:2011-04, Cat. 1 B

Note other voltages on request
other switch-off and switch-on temperatures on request

Example of connection



Art. No.	Heating capacity ¹	Inrush current max.	Recommended pre-fuse T (time-delay)	Switch-off temperature ²	Switch-on temperature ²	Lenght (L)	Weight (approx.)
06510.0-00	50 W	4.0 A	6.0 A	+15 °C (+59 °F)	+5 °C (+41 °F)	124 mm	0.4 kg
06513.0-00	100 W	6.0 A	8.0 A	+15 °C (+59 °F)	+5 °C (+41 °F)	184 mm	0.75 kg
06514.0-00	150 W	8.0 A	10.0 A	+15 °C (+59 °F)	+5 °C (+41 °F)	184 mm	0.75 kg
06520.0-00	50 W	4.0 A	6.0 A	+25 °C (+77 °F)	+15 °C (+59 °F)	124 mm	0.4 kg
06523.0-00	100 W	6.0 A	8.0 A	+25 °C (+77 °F)	+15 °C (+59 °F)	184 mm	0.75 kg
06524.0-00	150 W	8.0 A	10.0 A	+25 °C (+77 °F)	+15 °C (+59 °F)	184 mm	0.75 kg

¹ measured at +20 °C (+68 °F) ambient temperature; ² tolerance ±5 K

ENCLOSURE HEATER

LP 165 | 60 W to 150 W



- > Clip fixing and pressure clamp for quick mounting
- > Dynamic heating up through PTC technology
- > Heater body in loop design for optimal temperature distribution
- > Wide voltage range
- > Additional approvals

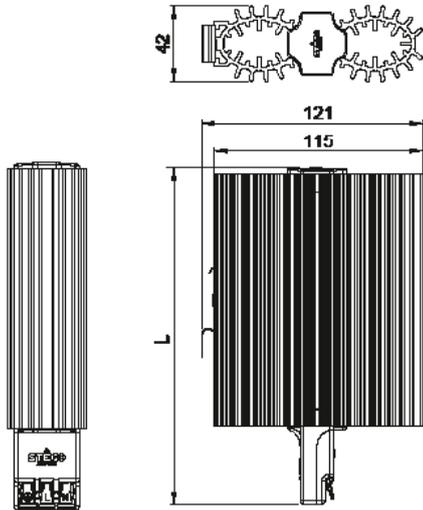
Compact heater with PTC heating elements for heating enclosures with electrical or electronic components. The heater prevents too low temperatures and thus condensation harming the components. The design of the aluminium profile creates a chimney effect, which ensures great convection resulting in excellent heat dissipation within the enclosure. The practical push-in clamping terminal ensures quick and easy electrical connection. The heaters are designed for continuous operation.



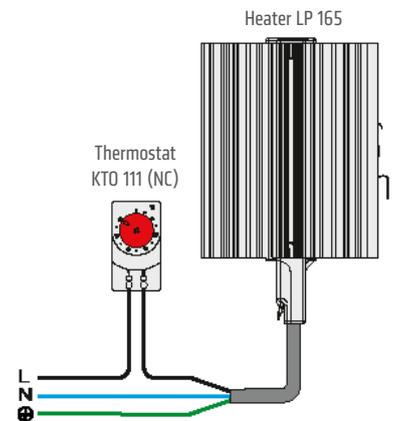
TECHNICAL DATA

Operating voltage	AC/DC 120-240 V (min. 110 V, max. 265 V)
Heating element	PTC resistor - temperature limiting
Heater body	extruded aluminium profile, anodised
Connection	3 x pressure clamps for stranded wire 0.5 - 1.5 mm ² (with wire end ferule) and rigid wire 0.5 - 2.5 mm ²
Connection casing	plastic according to UL94 V-0, black
Mounting	clip for 35 mm DIN rail, EN 60715
Fitting position	vertical airflow (air outlet up, connection on bottom)
Operating/Storage temperature	-45 °C to +70 °C (-49 °F to +158 °F)
Operating/Storage humidity	< 90 % RH (non-condensing)
Protection type/Protection class	IP20 / I (earthed)
Approvals	VDE UL File No. 234324 EAC

Note other voltages on request



Example of connection



Art. No.	Heating capacity ¹	Inrush current max.	Recommended pre-fuse T (time-delay)	Length (L)	Weight (approx.)
16501.0-00	60 W	4.0 A	6.0 A	107 mm	0.3 kg
16502.0-00	75 W	4.0 A	6.0 A	107 mm	0.3 kg
16503.0-00	100 W	6.0 A	8.0 A	167 mm	0.5 kg
16504.0-00	150 W	8.0 A	10.0 A	167 mm	0.5 kg

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

WORLDWIDE AVAILABLE FOR YOU – ELECTRONICS PROTECTORS FROM STEGO.

STEGO IS REPRESENTED GLOBALLY AND PROUD TO OFFER ITS CUSTOMERS MAXIMUM AVAILABILITY, PERSONAL VISITS AND CONSULTATIONS. WITH 10 LOCATIONS, ONE SALES OFFICE IN CHINA AND MORE THAN 1500 SALES PARTNERS WORLDWIDE, CUSTOMER SERVICE IS OUR TOP PRIORITY. WHENEVER YOU NEED SUPPORT IN MATTERS OF ENCLOSURE CLIMATISATION AND THERMAL MANAGEMENT – YOUR STEGO CONTACT IS NOT FAR AWAY.



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