Lm-therm

EXPLOSION-PROOF ENCLOSURE HEATER

EXH-1/21 / T4

- **ATEX- and CSA-certified for Zone 1 (gas) and Zone 21 (dust)**
- **High degree of protection IP66 / IP67**
- **Quick mounting on DIN mounting rail**
- **Optional 115V AC supply voltage available**
- **Maintenance-free convection heating without fan**
- **Robust aluminum housing**

HEATING

MADE IN GERMANY

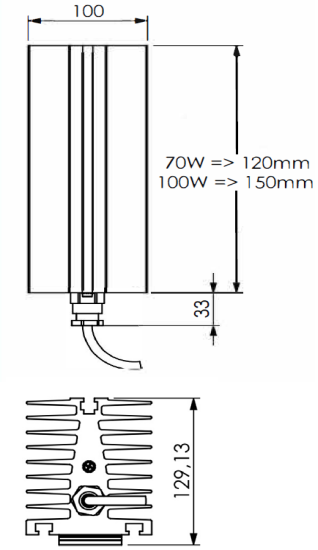
The heaters in the ExH-1/21 series have been specially developed for use in hazardous areas in zones 1, 2, 21 and 22. They are used for reliable temperature control, condensate prevention and frost protection in enclosures and housings. The devices are ATEX and CSA-certified and comply with protection classes IP66 and IP67. Typical applications can be found in industrial environments such as filling stations, biogas plants, paint stores, chemical and petrochemical plants, as well as in mills, silos or other areas with potentially explosive atmospheres.

TECHNICAL DATA

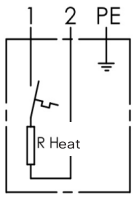
Art.-No.	850001	850002
Voltage [1]	230V AC	
Inrush current at 230V AC	3,1A	0,44A
Operating current	0,31A	0,44A
Power	70W	100W
Weight	2600g	3000g
Dimensions (LxWxD)	120×100×129mm	150×100×129mm
Protection type	IP66 / IP67; EN60529	
Protection class	I (Protective grounding)	
Operating temperature / Storage temperature	-40°C to +60°C	
Heating element	PTC-Heating element	High-performance heating cartridge
Mounting connection	Snap-on mounting for 35mm DIN rail; EN 60715	
Type of connection [2]	1,0m Silicone-Connection cable 3×1,50mm²	
Housing material	Aluminum housing, black anodized	
Mounting position	Vertical	
Operating humidity / Storage humidity	< 80% RH (non-condensing)	
Atex-marking (gas)	II 2G Ex db IIC T4 Gb	
Atex-marking (dust)	II 2D Ex tb IIIC T135°C Db	
Max. Surface temperature / Temperature class	< +135°C / T4	
Certifications	CE, UKCA, Atex, CSA	

(1) Special voltage 115V AC possible on request
(2) Other cable lengths possible on special request. (The cable length must not be less than 1 meter)

TECHNICAL DRAWING (SPECIFICATION IN MM)



WIRING DIAGRAMM



U	bn (1)	bl (2)	gn/ye (3)
>= 115V AC	L1	N (L2)	PE

STATUS: 05|2025