



- High heating capacity
- Integrated antifreezing protection device in the connection cable
- Large, black anodized convector surface

BARTEC compact radiators are used as anti-freezing and anticondensate heaters in potentially explosive areas. Their use guarantees maximum operating safety, since temperature fluctuations are effectively prevented or the required minimum temperatures are maintained. They reliably ensure that no malfunctioning through leakage current in electrical components, or other disturbances through corrosion formation on mechanical installation parts, can occur. The radiators are ready for connection and they are maintenance-free. Places of use include switch and control cabinets, transmitter protective boxes, measuring equipment, analytical cabinets for sample preparation etc..

Function

The thermostat located in the connection cable keeps the inside temperature in the required range and reliably prevents overshooting the permissible ambient temperature of the heater. In order to prevent accumulation of heat the specified fitting distances must be observed. Do not cover the fins, in order that free convection is not hindered. For applications involving higher holding temperatures, please contact us.

Construction

The radiators are fitted with a constant ohmic resistance. Through the special construction of the aluminium profile a chimney effect is produced which gives a uniform temperature distribution in the interior of enclosures and cabinets. In case of overheating, the heaters are permanently isolated from the mains supply, since the heat source is coupled with a temperature safety fuse.

Explosion protection

Marking Ⓜ II 2G Ex db IIC T4, T3
 Ⓜ II 2D Ex tb IIIC T135 °C, T200 °C

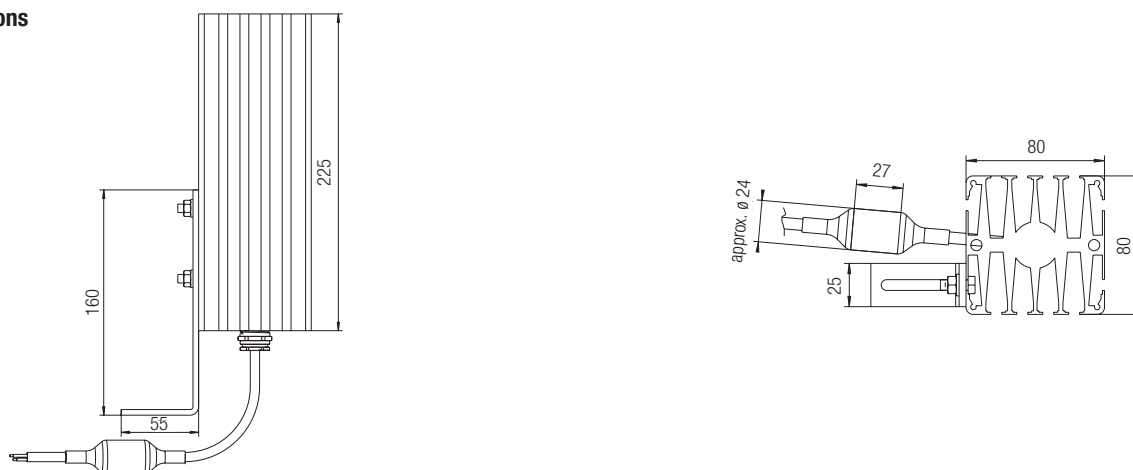
Certification PTB 03 ATEX 1139 X

Other approvals and certificates, see www.bartec.de

Technical data

| | |
|-------------------------------|---|
| Protection class | IP 65, NEMA 4 |
| Application temperature range | -50 °C to +80 °C |
| Ambient temperature range | -50 °C to +60 °C |
| Nominal voltage | AC 230 V |
| Connection | Hose line; EWKF 3 x 1.5 mm ² ; Ø 8.1 mm; length 3 m |
| Mounting position | Vertical flow through fins |
| Material | black anodized aluminium resistant to sea water |

Dimensions



Ordering information

| Designation | Nominal power | Version with antifreezing protective device | Dimensions (l x w x h) | Temperature class | Order no |
|-----------------|---------------|---|------------------------|-------------------|--------------------------|
| HCM 100-T4-10-3 | 100 W | +10 °C ON | 80 mm x 80 mm x 225 mm | T4 | 27-2163-5710/B300 |
| HCM 250-T3-10-3 | 250 W | +18 °C OFF | 80 mm x 80 mm x 225 mm | T3 | 27-2161-5725/B300 |

Technical data subject to change without notice.