



- 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.

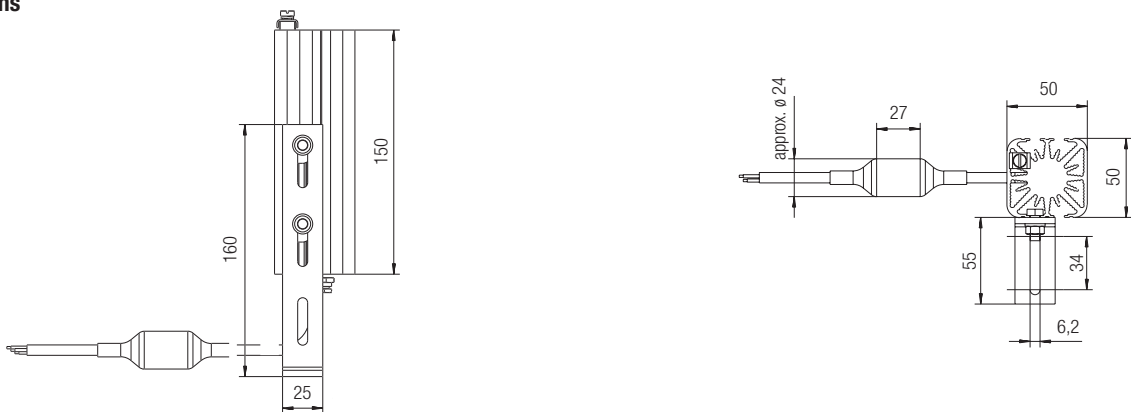
Technical data

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

Explosion protection

Marking Ⓜ II 2G Ex db IIC T4
 Ⓜ II 2D Ex tb IIIC T135 °C
 Certification PTB 03 ATEX 1139 X
 Other approvals and certificates, see www.bartec.de

Dimensions



Ordering information

Designation	Nominal power	Version with antifreezing protective device	Dimensions (l x w x h), mm	Temperature class	Order no.
HCS 40-T4-10-3	40 W	+10 °C ON +18 °C OFF	52 x 50 x 155	T4	27-2063-3704/B300

Technical data subject to change without notice.