

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

**Explosion protection**

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

Certification      PTB 03 ATEX 1139 X

Other approvals and certificates, see [www.bartec.de](http://www.bartec.de)

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..

**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.

**Function**

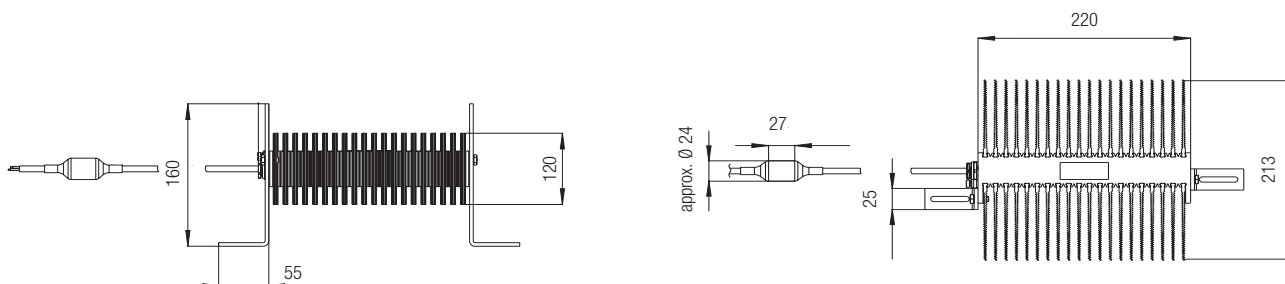
The thermostat located in the connection cable keeps the inside temperature in the required range and reliably prevents overshooting the permissible ambient temperature of the heater. In order to prevent accumulation of heat the specified fitting distances must be observed. Do not cover the fins, in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

**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 <sup>2</sup> ; Ø 8.1 mm; length 3 m
Mounting position	Vertical flow through fins
Material	black anodized aluminium resistant to sea water

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**Dimensions**



**Ordering information**

Designation	Nominal power	Version with antifreezing protective device	Dimensions (l x w x h)	Temperature class	Order no
HCL 300-T4-10-3	300 W	+10 °C ON	220 x 213 x 120	T4	<b>27-2269-4730/B312</b>
HCL 600-T3-10-3	600 W	+18 °C OFF	220 x 213 x 120	T3	<b>27-2261-4760/B312</b>

Technical data subject to change without notice.