



Heat shrink technology

explosion protected

media protected

Features

- Direct insertion of a heating cable into an Ex e junction box or plastic enclosures
- Flexible connection - heating cable/cold cable
- Space-saving, favourable dimensions
- Simple project planning

Description

Heat shrink technology is reliable technology for connecting heating cables Type HSB (Order no. 07-5803-...).

The principle is easy. After stripping the heating tape, insulation tubes are shrunk over the supply lines and the twisted protective braiding and wire end sleeves are put on. As a basic rule, the heating cable is connected to terminals in an enclosure that has "increased safety".

The heating circuit end is also closed with shrinkable tubes.

Description

If the enclosure is connected directly, the heating cable is first stripped and then insulation tubes are shrunk over the supply lines and the twisted protective braiding and wire end sleeves are put on. The heating cable is connected directly to terminals in a junction box, IP 65 protection class.

As an alternative, the heating cable can be connected directly to a supply cable by means of a butt connector. The heating circuit end is closed in each case with a heat shrinkable end cap.

➔ Explosion protection

Ex protection type (heating circuit)

- ⊕ II 2G Ex e II 200 °C (T2), T3, T4
- ⊕ II 2D Ex tD A21 IP 65 T 200 °C, T 195 °C, T 130 °C

Certification System

KEMA 08 ATEX 0110
IECEX KEM 09.0083

➔ Technical data

Ambient temperature

- 40 °C up to +55 °C
- for heating cable switched on
-40 °C up to +120 °C
- for heating cable switched off
-40 °C up to +185 °C (cum. 1000 h)

■ Electrical data

Nominal voltage

AC 208 V up to 254 V
AC 110 V up to 120 V

Power rating

10, 15, 25, 30, 45 and 60 W/m

➔ Technical data

Ambient temperature range

depends on used junction box
for heating cable switched on
up to +120 °C
for heating cable switched off
+185 °C (cum. 1000 h)

■ Electrical data

Nominal voltage

AC 110 V, 230 V, 254 V

Power rating

10, 15, 25, 30, 45 and 60 W/m

➔ Order no.

Installation kit, explosion protected
05-0091-0096

Ground tab with lock lug, required if metal glands are used in plastic junction boxes
05-0012-0082

➔ Order no.

Installation kit, media protected

- Connection and termination (direct enclosure entry)
07-5803-0000/9860
- Connection and termination (flexible with crimp connector up to 130 °C)
07-5803-0000/9820
- Connection heating cable - heating cable (with crimp connector)
07-5803-0000/9890