



Heat shrink technology

Features

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



explosion protected

Description

The heat shrink technology is approved for the heating circuit Type 27-1680-1.00/..., system approval EN 60079 is in preparation.

Heat shrink technology is reliable technology for connecting heating cables.

The principle is easy. After stripping the heating cable, 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.

Explosion protection

Heating circuit

Ex protection type

Ex II 2G EEx em II T6

Certification

KEMA 03 ATEX 2529 X

Technical data

Ambient temperature area

depends on used junction box

for heating cable switched on
-20 °C up to +65 °C

for heating cable switched off
-20 °C up to +85 °C (cum. 1000 h)

Electrical data

Nominal voltage

AC 230 V; AC 120 V

Power rating

10, 13, 15 and 26 W/m

Order no.

Installation kit - explosion protected 05-0091-0097

Ground tab with lock nut,
required if metal glands are used in
plastic junction boxes

05-0012-0082



media protected

Description

If the enclosure is connected directly, the heating tape 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 crimp connector. The heating circuit end is closed in each case with a heat shrinkable end cap.

Technical data

Ambient temperature range

for junction box

Standard -20 °C up to +65 °C

for heating cable switched on
-20 °C up to +65 °C

for heating cable switched off
-20 °C up to +85 °C (cum. 1000 h)

Electrical data

Nominal voltage

AC 254 V

AC 120 V

Power rating

10, 13, 15, 26 and 33 W/m

Order no.

Installation kit - media protected

Connection and termination

(direct enclosure entry)

07-5801-0000/9840

Connection and termination

(flexible with crimp connector)

07-5801-0000/9810

Connection heating cable - heating cable

(with crimp connector)

07-5801-0000/9560