## 1.01.03 Insulation class I

# Tubular heating elements with integrated regulation for immersion heating



#### >> Description

Heating element with insulation class I are used in product applications where earth connection is available. Normally they are produced with one-end-connection and options according to customer specification. If desired you also recieve guiding to the optimal heating solution for your product application.

#### >> Technical specification

Material AISI 321/EN 1.4541 Ø 6,4, 14 mm AISI 304/EN 1.4301 Ø 16 mm

Steel DIN 2394

Dimension Ø 6,4 14, 16 mm

Element length 250-2100 mm

Inactive length 35–135 mm, depending on the choise of

thermo regulation

Fixing device Nipple M18 x 1.5, G  $\frac{1}{2}$ ", G 1, Pr 18.6

Other dimensions on request

Connection Cable, tab terminal or round pin, 1.5 or 1.6 mm

Sealing "VO"-classified availiable

Design One side connection

Power 300–2000 W

Voltage Max 480 V. With options below max 230 V

Surface load 3–5 W/cm<sup>2</sup>

Safety The elements meet requirements acc. to EN 60335-1

Options Electronic control box with quick connection

Built-in thermostat 70–150°C Meltfuse

Built-in thermistor (NTC)

Pocket tube for thermostat

PTC



Tubular heating element 6,4 mm with quick connection and pocket tube for thermostat



Tubular heating element with quick connection



Quick connection to electronic control box



Examples of connections



Built-in thermostat and meltfuse (14-16 mm)

#### >> Benefits

- Integrated temperature regulation
- Integrated thermal protector
- Quick connection

### >> Fields of application

- Towel dryers
- Liquid-filled radiators
- Other liquid heating
- Heating systems for trolley busses

