

## High-temperature Connector HTC<sup>®</sup> for Heating Elements

New, easy-to-install connector for heating elements

### Advantages

- very high plug-in capability possible
- high vibration resistance
- complete unit resistant to +300° C (Continuous temperature in version with Peek housing) or + 175 ° C (continuous temperature with heat shrink tubing)
- safe and corrosion-resistant contacts
- double safety by plugging and screwing (b. Peek housing)
- low and consistent contact resistance
- high voltage load up to 5A
- Contact protection made of peek-plastic (or shrink tubing)
- smallest dimensions  $\varnothing = 6 \times 45$  mm long or  $\varnothing = 5 \times 45$  mm long with shrink tubing
- easy installation with only one tool

### Assembly

#### Attention

**Conductor cross-section and outside diameter of the single conductor must always be suitable. (Deviations on request)**

Conductor: 0,75 mm<sup>2</sup> bis 1.0 mm<sup>2</sup>, max. (strand diameter 1,20 mm)  
Insulation type: PTFE oder PFA, max. Outside diameter 1,80 mm (Tolerance from 1,65 to 1,80 mm).

- Check individual ladder according to specification
- Insulate 5 mm from the single ladder (If necessary, turn the strands again on)
- Before pressing, a peek part must be loosely mounted on the single conductor on the heating element side (b. peek housing)
- Insert strands with insulation into the hole; total 10.5 mm deep hole
- One-time pressing with hand tool or stationary press device (two pressings are carried out simultaneously). The flange serves as a stop  $\varnothing = 4$  mm
- Slide on external fitting from Peek or attach shrink tubing
- screw tight at the end using M5 thread (b. peek housing)

With the peek-armature it has no influence whether the short or long peek-part is mounted axially left or right. So there is no confusion possible.

Hand tools with special press plate or press plate for stationary device can be ordered directly from us.

**In case of possible assembly / disassembly, it must be ensured that all connected heating elements are disconnected from the voltage.**

