

# Heat Trace Connector

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# Heat Trace Connector

## The new Weidmüller Heat Trace Connector for the process and oil industry

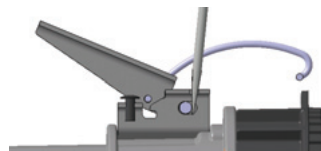
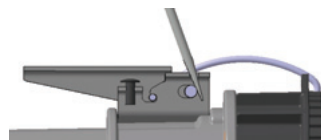
Weidmüller presents the new and innovative Heat Trace Connector for use in the process industry, e.g. heat trace applications within the harsh outdoor environments in the oil industry. Our Heat Trace Connector is designed for applications around oil pipelines, mainly to connect heat trace pipes securely and cost efficient.

### Product advantages are:

- IP67 protection class
- Class 1 Div 2 & CSA approvals
- Easy to use and field serviceable
- Coaxial design, 2 poles + PE
- Draw-latch

## The Weidmüller Heat Trace Connector is designed to provide a maximum level of customer value:

- Designed to be used in a wide range of ambient temperatures from  $-50\text{ °C}$  to  $+60\text{ °C}$
- The T6 temperature code allows for diverse fields of application
- Available with two-poles, 14–8 AWG, rated at 35 A, 600 VAC, plus integrated PE (ground)
- Lightweight yet robust, the connector housing is made of aluminum alloy with protective tin-plating
- Conforms to IP67 and type 6 requirements (connected as well as disconnected with cover)
- Coaxial design allow for 360 degrees of mating flexibility (no complicated alignment or rotational movement required during installation)
- Draw-latch on the connector exterior guarantees a secure fit as well as superior holding power
- A real simple, one-man installation that leads to significant time and cost savings



A unique lever locking mechanism located on the connector's exterior guarantees a quick, secure fit as well as superior holding power. Once the levers are fastened, they can only be disengaged with a standard screwdriver.

This added feature prevents accidental disconnections, making a properly installed connector virtually fail-proof! The only tool needed to install or disconnect Weidmüller's Heat Trace Connector is a standard flat blade screwdriver.

## Heat Trace Connector

## Plug and socket

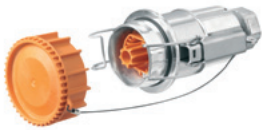


## Technical data

| Rated electrical data     |                                                                                   |
|---------------------------|-----------------------------------------------------------------------------------|
| Contacts                  | 2-pole (L1, L2) + PE (earth/ground)                                               |
| Rating data               | 35 amps, 600 VAC, 50 Hz / 60 Hz                                                   |
| Conductor                 |                                                                                   |
| Harmonized                | 2.5 mm <sup>2</sup> – 10 mm <sup>2</sup>                                          |
| AWG                       | 8 – 14 AWG                                                                        |
| Materials, components     |                                                                                   |
| Body                      | tin-plated aluminium                                                              |
| Contacts                  | silver-plated brass                                                               |
| Inserts                   | Polyamide (UL94-V0)                                                               |
| Cover                     | Polyamide (UL94-V0)                                                               |
| Sealing                   | FVMQ                                                                              |
| Thread shape, cable gland | 3/4" NPT-F (internal thread)                                                      |
| Environmental conditions  |                                                                                   |
| Housing classification    | Type 6, IP67                                                                      |
| Approvals                 |                                                                                   |
| CSA                       | <b>Class I, Division 2</b> , Groups A, B, C, D, T6, Tamb -50 °C to +60 °C, Type 6 |
|                           | <b>Class 1, Zone 2</b> ; Ex nA, IIC, T6, Tamb -50 °C to +60 °C, IP67              |
| GOST / VDE / UL pending   |                                                                                   |

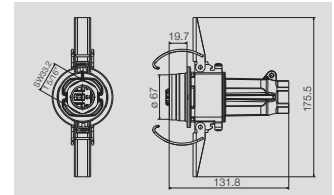
## Heat Trace Connector

## Socket



| Designation          | Type            | Order No.  |
|----------------------|-----------------|------------|
| HDC HTC F            | 3/4" NPT socket | 1023880000 |
| HDC HTC F 3/4" C/W   |                 | 1023880050 |
| 3/4" TO 1/2" ADAPTER |                 |            |

**Caution:** special closing mechanism contingent on approval. (screwdriver required)  
**Note:** included with delivery:  
 socket housing, socket insert and protective cap with safety cord

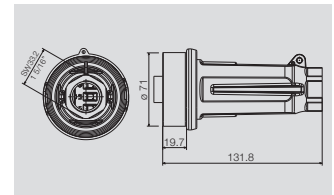


## Connector



| Designation          | Type               | Order No.  |
|----------------------|--------------------|------------|
| HDC HTC M            | 3/4" NPT connector | 1023890000 |
| HDC HTC M 3/4" C/W   |                    | 1023890050 |
| 3/4" TO 1/2" ADAPTER |                    |            |

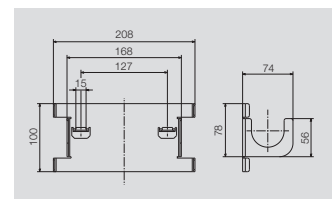
**Note:** included with delivery:  
 socket housing, socket insert and protective cap with safety cord



## Holding fixture



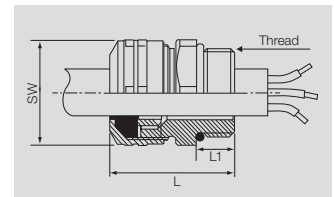
| Designation      | Type           | Order No.  |
|------------------|----------------|------------|
| HDC HTC MOUNTING | Mounting frame | 1049370000 |



## Cable gland



| Designation          | Type           | Order No.  |
|----------------------|----------------|------------|
| VG NPT 3/4" Eex-e MS | Ex cable gland | 1778150000 |



## Accessories

| Designation    | Type                | Order No.  |
|----------------|---------------------|------------|
| SD 0.8x4.0x100 | Slotted screwdriver | 9008340000 |

