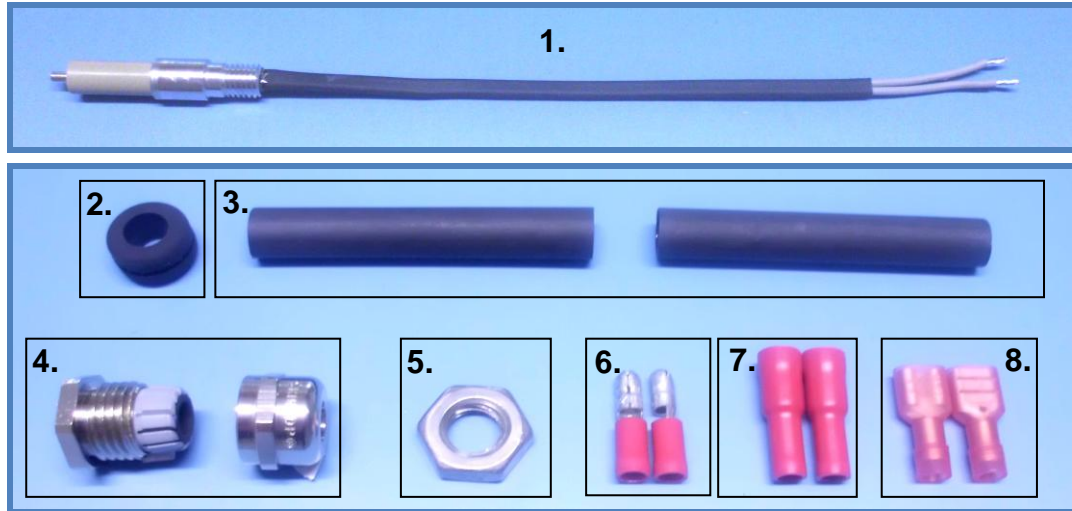


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Step 1 Preparations for Mounting

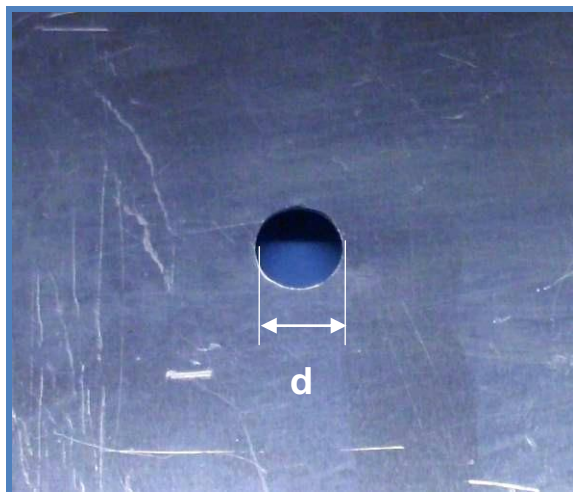
Step 1.1 Verification of Mounting-Kit for completeness



1. 1 x Heat Detector of type: TF 180-9
2. 1 x Rubber grommet 15/10/8
3. 2 x Shrink tubing (Length: 6 cm; Diameter: 8 mm)
4. 1 x Cable gland with female thread M10 x 1.5
5. 1 x Mounting (hex) nut M10 x 1.5
6. 2 x Round plug 0.5-1.5 mm²
7. 2 x Round plug socket 0.5-1.5 mm²
8. 2 x Female spade connector 6.3 mm x 0.8 mm.

Step 1.2 Preparation of borehole

Step 1.2.1 Drill a borehole having a diameter of **d = 11.5 mm** into the mounting plate.



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Date 01/31/2012

Version 0/W.HR

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Mounting instruction No

4.12027-1

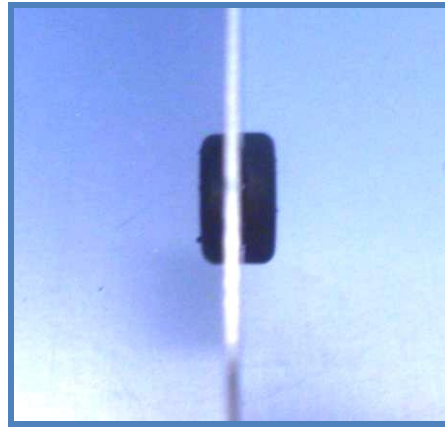
Page 1 of 5

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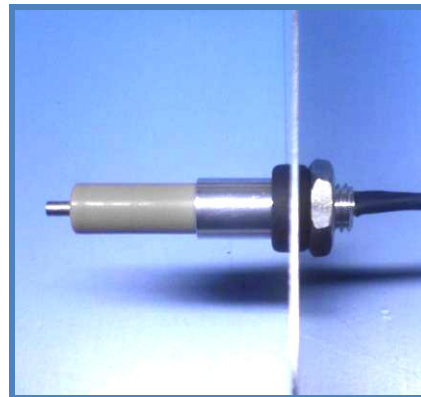
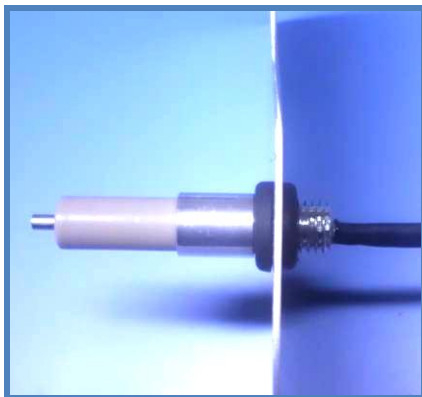
Step 2 Mounting of the Heat Detector at the mounting plate

Step 2.1 Mounting of the Heat Detector at the mounting plate

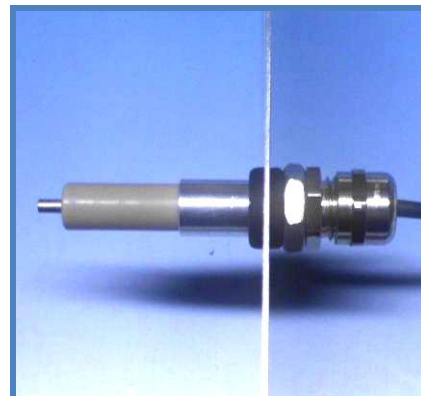
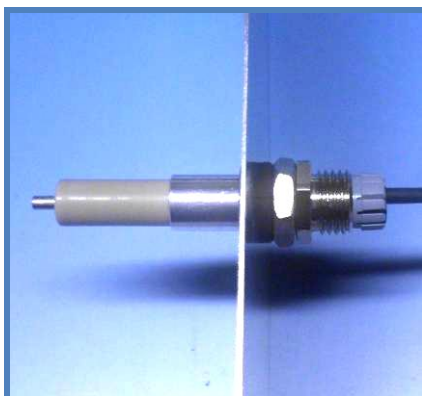
Step 2.1.1 Mount the rubber grommet in the borehole.



Step 2.1.2 Mount the Heat Detector in the rubber grommet and tighten them with the mounting nut. (see Figures)



Step 2.1.3 Screw the intermediate pipe of the cable gland (incl. lamellar insert and sealing ring) at the Heat Detector and tighten afterwards the dome nut (see Figures)

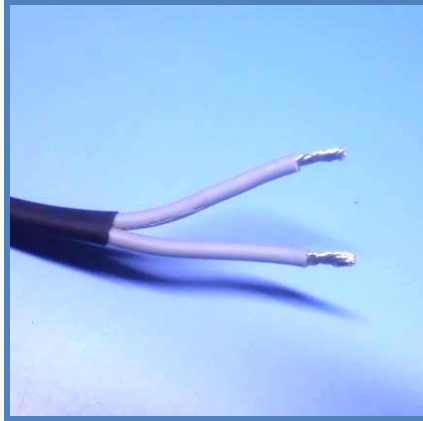


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Heat Detector Type: TF 180-9

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Step 2.1.4 Crimp the round (male) plugs to cable ends of the Heat Detector (see Figures).



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Step 3 Final wiring

General: Variant A:
Connection to one Evaluation Unit of Temperature-Measurement and Extinguishing-Agent -Release Systems of types DCU ... or TMZ 4-97-...-...-.../....:

In the mounting-kit are included: 2 x female spade connector 6.3 mm x 0.8 mm, 2 x round plug socket 0.5-1.5 mm² and 2 x heat shrink tubing (length: 6 cm, diameter: 8 mm), for connection of the Heat Detector with one connecting cable to one Evaluation Unit of Temperature-Measurement and Extinguishing-Agent-Release System.

Variant B:
Connection to one Fire Detection and Extinguishing Panel

In the mounting-kit are included:, 2 x round plug socket 0.5-1.5 mm² and 2 x heat shrink tubing (length: 6 cm, diameter: 8 mm), for connection of the Heat Detector with one connection cable to one Fire Detection and Extinguishing Panel (switch cabinet). Wire-end ferrules or other connectors, that are required for the connection of the connection cable to one Fire Detection and Extinguishing Panel (switch cabinet) are referred in the datasheet of the facility that is in use.

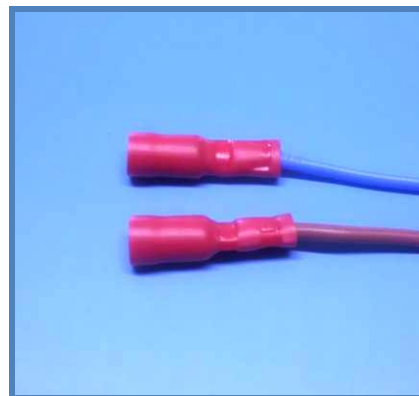
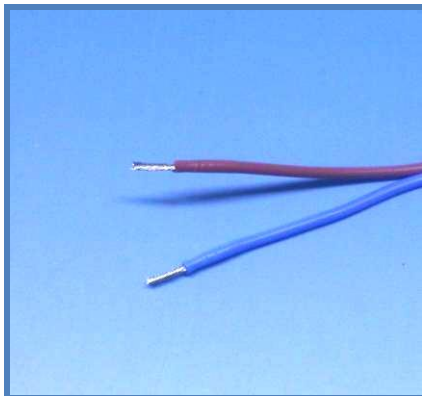
Recommend.: As a connection cable, we recommend our flexible high-temperature cable of type: Connection Cable TF 180-... with the PN: 50 390

Important Note: All cables must not be sharp-edged bent!!!

Failure to follow this instruction will void the warranty!

Step 3.1 Preparation of the connection cable and connection of the connection cable with the pre-mounted Heat Detector.

Step 3.1.1 Crimp the round plug sockets (female) to the cable ends of the connection cable (see Figures).



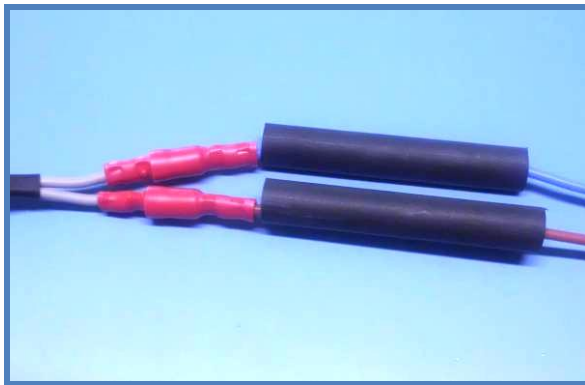
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Step 3.1.2 Pull the shrink tubings over the wires of the connection cable. (see Figure).



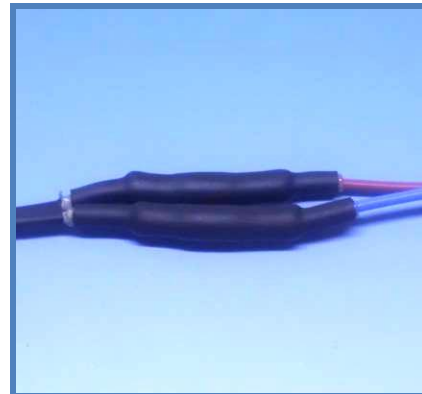
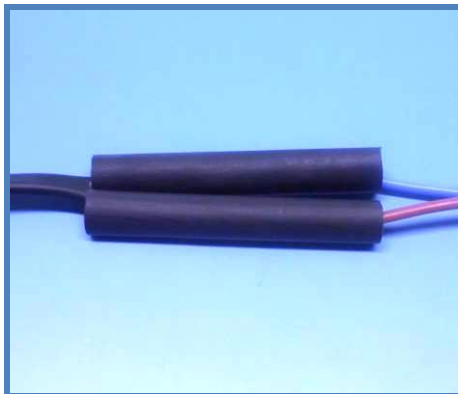
Step 3.1.3 Connect the cable of Heat Detector with the connection cable. (see Figure).



Step 3.1.4 Connect the connection cable to the system.

Step 3.2 Shrinkage of the shrink tubings after all functional checks of the complete system

Step 3.2.1 Pull the shrink tubings over the connected connectors and shrink them with the hot air blower.



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