

Installation instructions

Heating tape connection kit in polyester housing and end cap



Make it easy,
make it DEVI

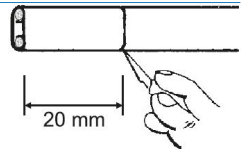


1. Kit contents

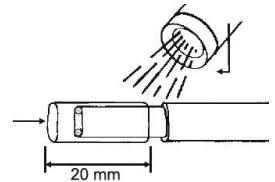
- 1.: 2 × 80 mm heat shrink tubing, black
- 2.: 1 × heat shrink end cap, black
- 3.: 2 × 20 mm heat shrink tubing, black
- 4.: 1 × Cable Gland U17 M20x1.5
- 5.: 1 × 80 mm heat shrink tubing, green/yellow
- 6.: 2 × 1.5mm² wire ferrules 1 × 2.5mm² wire ferrule
- 7.: 1 × Bitumen adhesive strip

2 Heating tape end

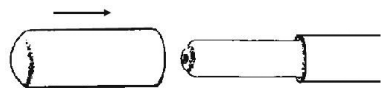
1. Cut the end of the heating cable straight across. Remove the outer sheath and copper braiding approximately 20 mm from the end, taking care not to damage the inner insulation.



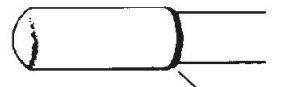
2. Slide the 20 mm long heat shrink tubing over the heating cable up to the cut braid and shrink it using a hot air gun, starting at the heating cable and working towards the end. Wrap the heating cable 50 mm from the end with bitumen adhesive tape.



3. Slide the shrink cap over the end of the heating tape (with the shrink tubing already attached) until it stops and shrink it using a hot air blower, starting from the end of the shrink cap towards the heating tape.



4. Extruded sealant indicates that the shrinkage process is complete. Shrinkage temperature approx. 125-150°C.



Ausgetretener
Dichtungsklebstoff

General assembly instructions:

- Unroll the heating tape from the coil and cut it to the appropriate length.
- Strip the end and, as described above, attach it to the pipe with a shrink cap or suitable junction box.
- Lay the heating tape parallel or in a spiral to the pipe axis!

Attention: Do not bend with a radius of less than 25 mm! Do not bend vertically!

The heating tape is attached to the pipe using aluminium adhesive tape (part no. 19-805076) or cable ties at a maximum distance of 300 mm.

To ensure good heat transfer, make sure the heating tape is in good contact with the pipe at all points. If necessary, the spacing between the fixings must be reduced.

For better heat distribution, a bandage made of thermally conductive material, e.g. aluminum adhesive tape (order no. 19-805076), can be applied over the heating tape.

When used on metal, the metal must be included in the protective measure to be selected (e.g. protective earthing) before commissioning.

Contact protection must be ensured by suitable measures during use. Particular attention must be paid to the requirements for the corresponding protective measures according to VDE 0100.

The resistance of the metal braid is max. 0.014 ohms/m. The operating voltage is 220/240 V AC.

Ensure the heat shrink tubing heats up evenly.

Perform a visual inspection.

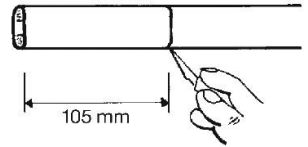
A functional test must be carried out using mains voltage.

A test report must be prepared.

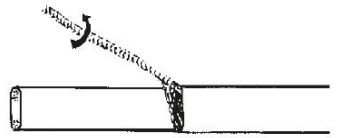
3 Heating tape connection

Slide the pressure screw and the sealing ring of the DN 20 fitting over the heating band.

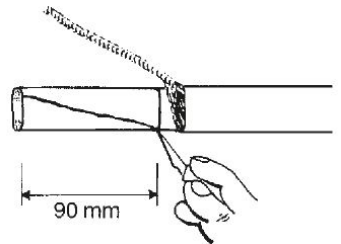
1. Remove 105 mm of the outer casing.



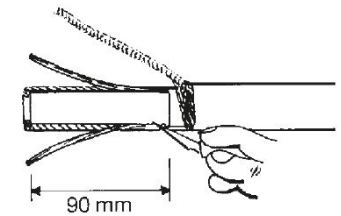
2. Split and twist the copper braid.



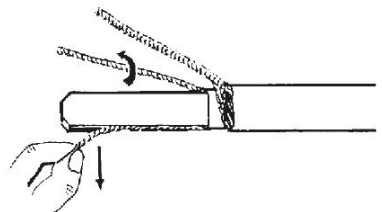
3. Cut and remove the insulation 90 mm from the end.



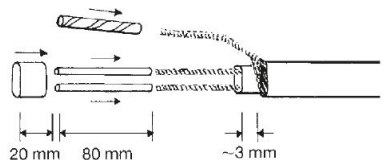
4. Cut into the heating element and cut off the edges up to the strands (current-carrying conductors of the heating element) (90 mm).



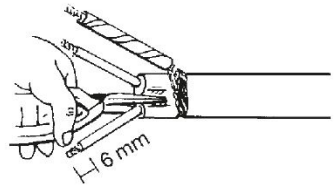
5. Pull out the strands and twist them together, remove the remaining heating element. Cut out a triangle between the strands.



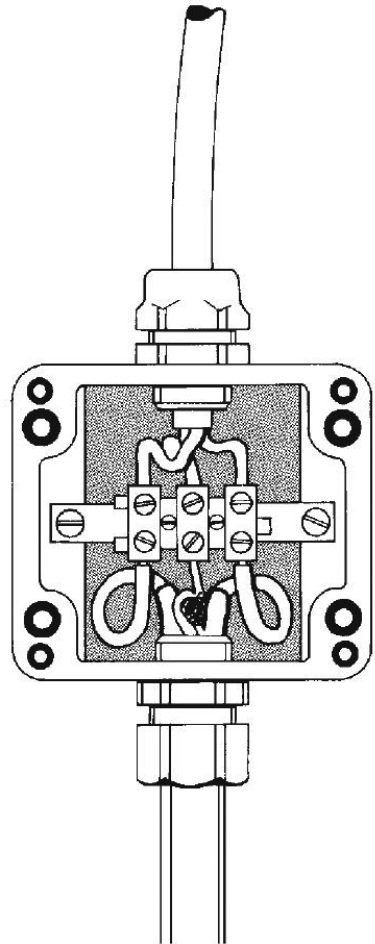
6. Slide 80 mm heat shrink tubing over the bare, tinned copper conductor up to the heating element and shrink it down. Slide 20 mm heat shrink tubing up to the outer insulation or twisted copper braid and shrink it down using a hot air gun.



7. Squeeze the 20 mm heat shrink tubing between the insulated strands using flat-nose pliers. Shrink the green-yellow heat shrink tubing onto the twisted copper braid. Trim the bare wire ends back to 6 mm. Attach ferrules.



8. Screw the fittings into the housing, clamp the heating band in the connection housing, insert the seal and tighten the pressure screw.



4 Warranty

A 2-year product warranty applies to:

- Accessories: Heating tape connection set in polyester housing and end cap.

Should you unexpectedly encounter any problems with your DEVI product, DEVI grants you the DEVIwarranty from the date of purchase under the following conditions: During the warranty period, Danfoss will supply a new, comparable product or repair the existing product if it is determined to be defective due to its design, materials, or manufacturing. Repair or replacement.

The decision as to whether a repair or replacement is carried out rests solely with Danfoss. Danfoss is not liable for consequential or incidental damages, including damage to the customer's property or additional operating costs. The warranty period will not be extended after repairs have been carried out.

The warranty is only valid if the WARRANTY CERTIFICATE has been fully and correctly completed, the defect has been reported to the relevant installer or seller immediately, and proof of purchase is provided. Please note that the WARRANTY CERTIFICATE must be issued by the authorized installer.

The form must be completed, stamped, and signed by the installer who also performs the installation (the installation date must be indicated). Keep the WARRANTY CERTIFICATE and purchase documents (invoice, receipt, etc.) after installation for the entire warranty period.

The DEVIwarranty does not cover damage caused by improper operating conditions, incorrect installation, or installation by an unauthorized electrician. All work will be billed in full if Danfoss determines that an inspection or repair is necessary due to any of the aforementioned circumstances. The DEVIwarranty does not apply to products that have not been paid for in full. Danfoss will always ensure a prompt and efficient response to all customer complaints and inquiries.

All complaints whose cause is one of the above-mentioned conditions are expressly excluded from this warranty.

The full warranty text can be found at www.devi.de.

devi.danfoss.com/germany/garantie/

WARRANTY CERTIFICATE

The DEVI warranty is issued to:

address _____ Rubber stamp

Purchase date _____

product _____ Item No. _____

Installation date and signature _____ Connection date and signature _____

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