

Mounting instructions

UDHOME2 floor socket
with tube body



UDHOME2 floor socket

Mounting instructions

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1 About these instructions

1.1 Target group



These instructions are intended for the following target groups:

- Trained electrical specialists charged with mounting floor sockets.
- Electrical planners and engineers charged with the planning of under-floor systems.

Electrical work may only be carried out by specialist personnel with electrical training.

1.2 Relevance of these instructions

These instructions are based on the standards valid at the time of compilation (February 2021).

Please read the instructions carefully before starting installation. We will not accept any warranty claims for damage caused through non-observance of these instructions.

Any images are intended merely as examples. Mounting results may look different.

All the documents supplied with the product must be stored in an easily accessible location, so as to be available when information is required.

1.3 Types of warning information

ATTENTION

Type of risk!

Shows a hazardous situation. If the safety instruction is not observed, then damage to the product or the surroundings may occur.

Note!

Indicates important information or assistance.

1.4 Basic standards and regulations

- DIN EN 50085-1: Electrical installation trunking systems for electrical installations – Part 1: General requirements
- DIN EN 50085-2-2: Electrical installation trunking systems for electrical installations – Part 2-2: Particular requirements for cable trunking systems and cable ducting systems intended for mounting underfloor, flushfloor or onfloor
- DIN EN ISO 9001:2008
- DIN EN ISO 14001:2008

2 Correct use

Square floor socket for installation in screed and system floors in dry rooms, with wet-care floors in interiors. Housing with a tube body as cable outlet in the cover. The minimum installation depth is 110 mm. The maximum adjustment height is 135 mm.

3 Safety

3.1 General safety information

Observe the following general safety information:

- Contact with electrical current can lead to an electric shock.

3.2 Personal protective equipment

List of personal protective equipment to be used:



Use hand protection



Wear safety shoes

3.3 Necessary tools

List of required tools:

- Pozidrive 2
- Slotted screwdriver (max. 6 mm)
- Philips screwdriver
- Open-end spanner
- Silicone cartridge

4 Product overview

4.1 Product description

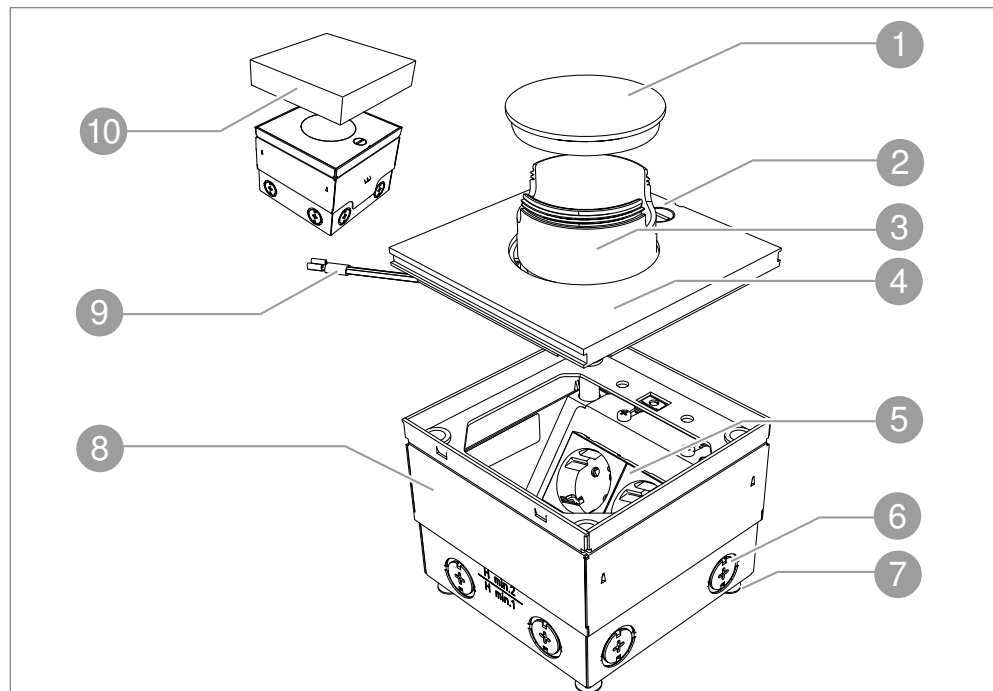


Abb. 1: Product description

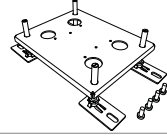
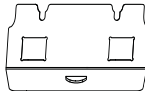
- 1 Tube body cover
- 2 Turn buckle
- 3 Tube body cable outlet
- 4 Cover plate
- 5 Socket (equipment of the mounting support according to scope of delivery)
- 6 Empty pipe entry
- 7 Height-adjustment screws
- 8 Housing
- 9 Protective equipotential bonding
- 10 Mounting protection cover

Square floor socket for wet-care floor coverings on screed and indoor system floors. Housing with a round cable outlet in the cover. With eight pre-marked entry openings for installation pipes (M20/M25). The frame can be adjusted to the top edge of the floor covering using four height-adjustment screws. The minimum installation depth is 110 mm. The maximum adjustment height is 135 mm, which can be increased by a further 10 mm up to 60 mm to the top edge of the finished floor using the height extension.

The floor socket is equipped with a double socket. Up to two data sockets can be installed using an optionally available data technology sup-

port.

4.2 Accessories

Product name	Figure	Function
Height extension		The height extension can be used to increase the height of the floor socket by a further 10 to 60 mm.
Data technology support		The data technology support is used to mount the appropriate data connection module.

4.3 Installation principle

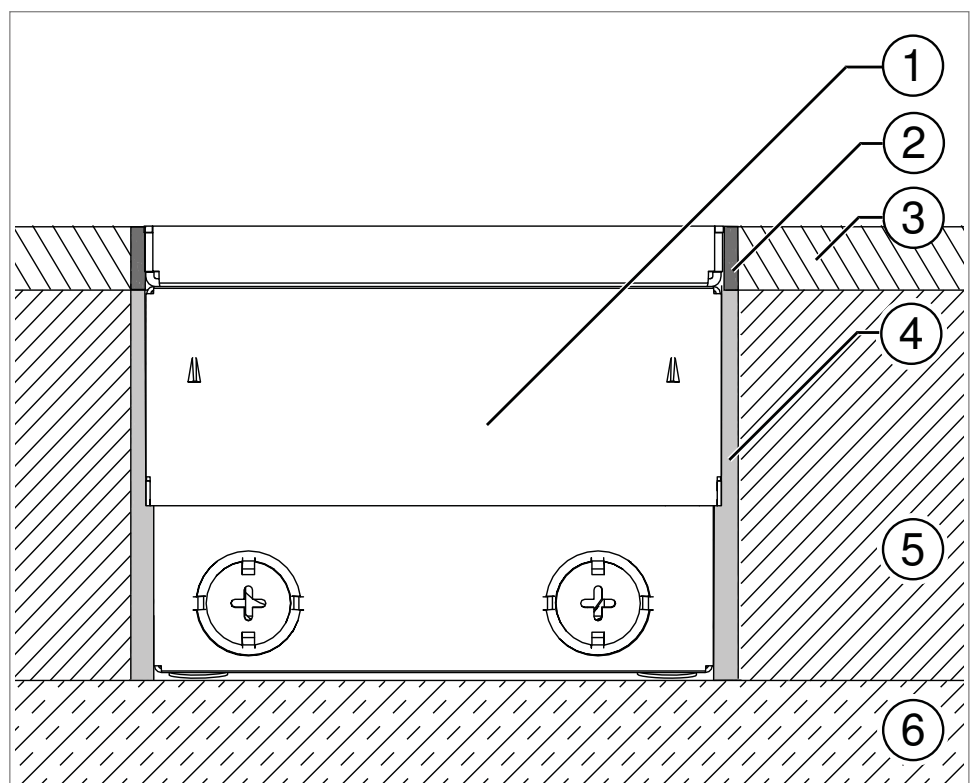


Abb. 2: Floor socket installation principle

Components in the floor cross-section (floor structure/height conditions may deviate depending on the floor planning):

- ① Housing of the floor socket
- ② Permanently elastic joint seal
- ③ Floor covering
- ④ Separating layer
- ⑤ Screed (or system floor)
- ⑥ Concrete floor

5 Preparations for mounting

Note! *The floor socket can be adjusted to a maximum height of 135 mm (from the concrete floor to the top edge of the finished floor). With the height expansion, floor sockets can be extended to a height of 10 to 60 mm in the event of deviations from the standard height-adjustment heights.*

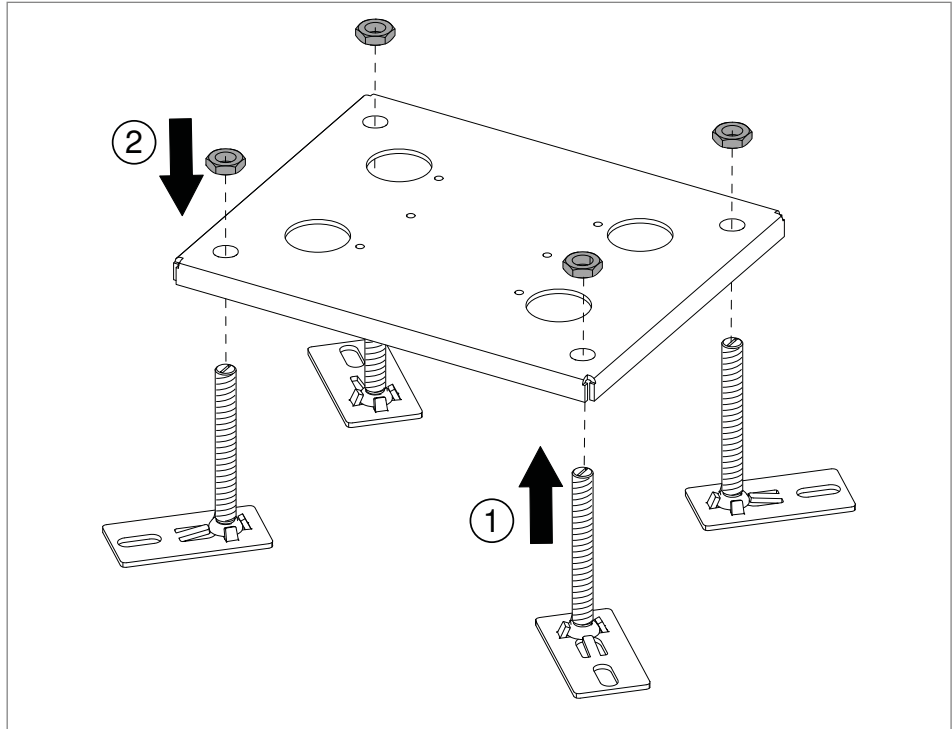


Abb. 3: Screwing on the height-adjustment feet

1. Screw the height-adjustment feet into the height expansion ①.
2. Screw the locking nuts to the height-adjustment feet ②.

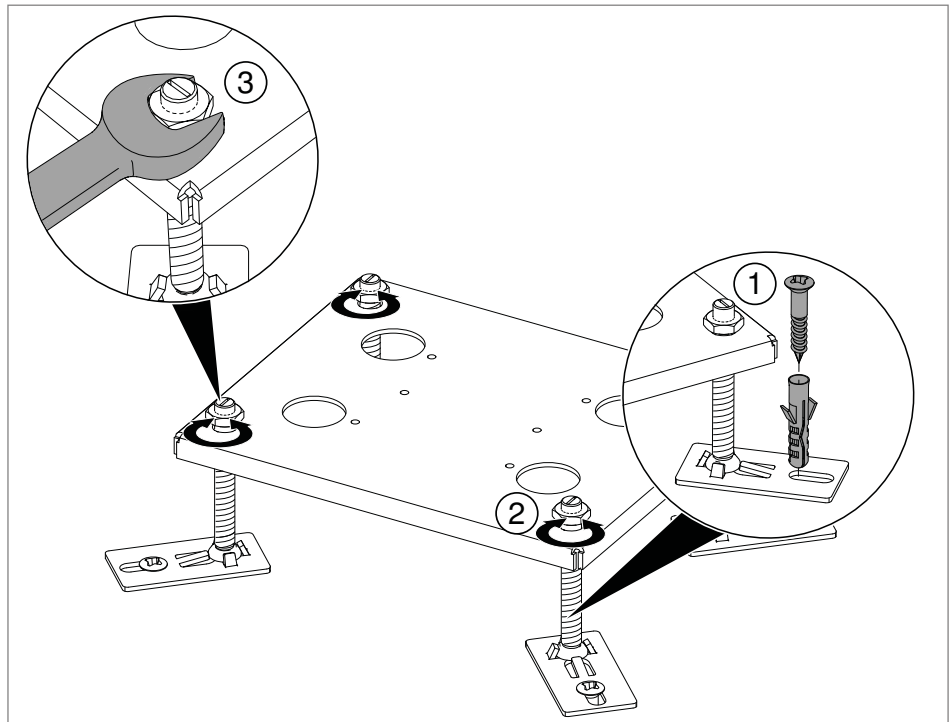


Abb. 4: Screwing on the height expansion

3. Screw the height-adjustment feet tight to the base using the anchor and screw ①.
4. Adjust the height of the height expansion to the planned top edge of the screed. In so doing, include the height of the floor socket ②.
5. Secure the height expansion with the locking nuts ③.

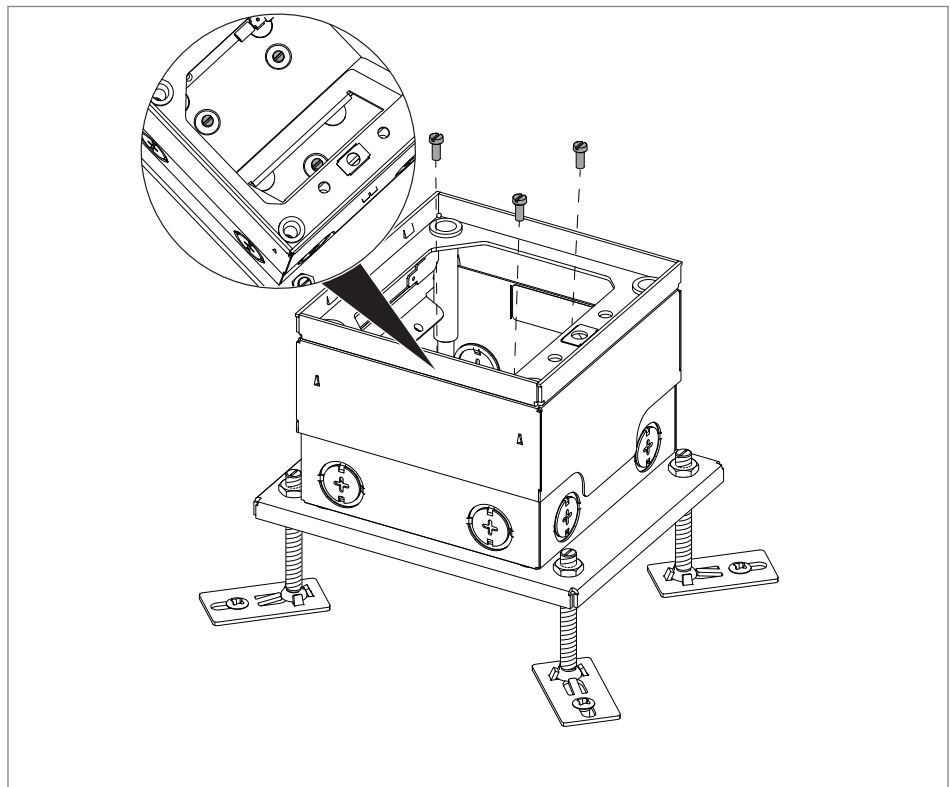


Abb. 5: Screwing on the height expansion

- Screw the floor socket to the height expansion using the fastening screws.

6 Mounting the floor socket

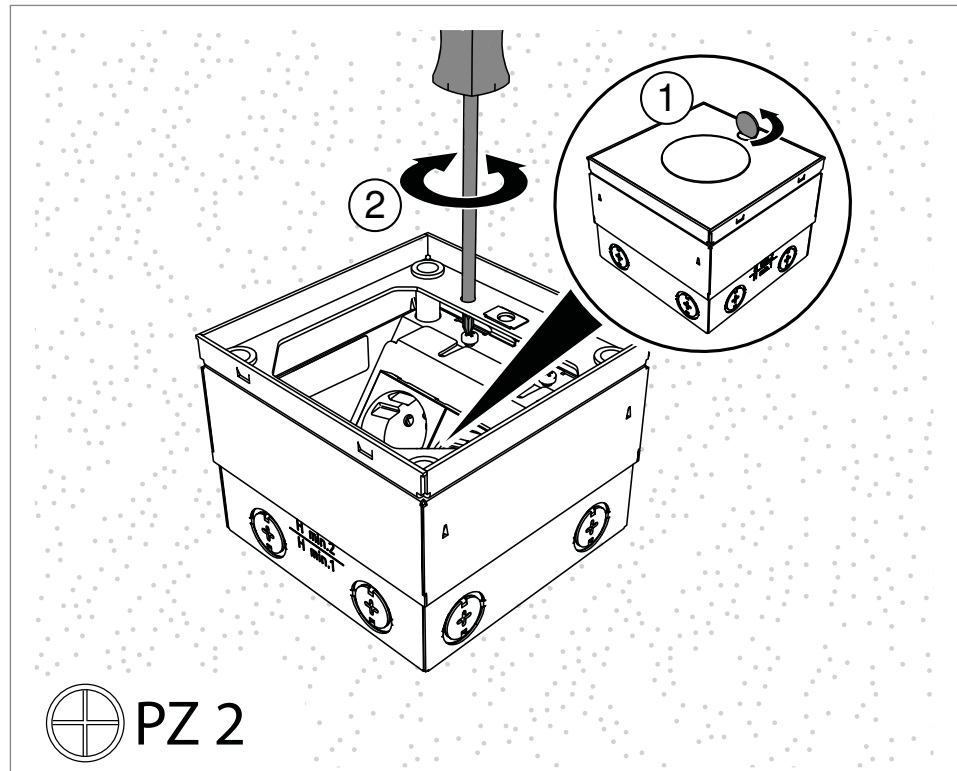


Abb. 6: Opening the cover

- Unlock the turn buckle (2) in the cover plate (4) using a coin and open it (1).
- Slacken the fastening screws slightly and remove (2) the socket (5).
- Place the socket (5) to one side and keep it safe.

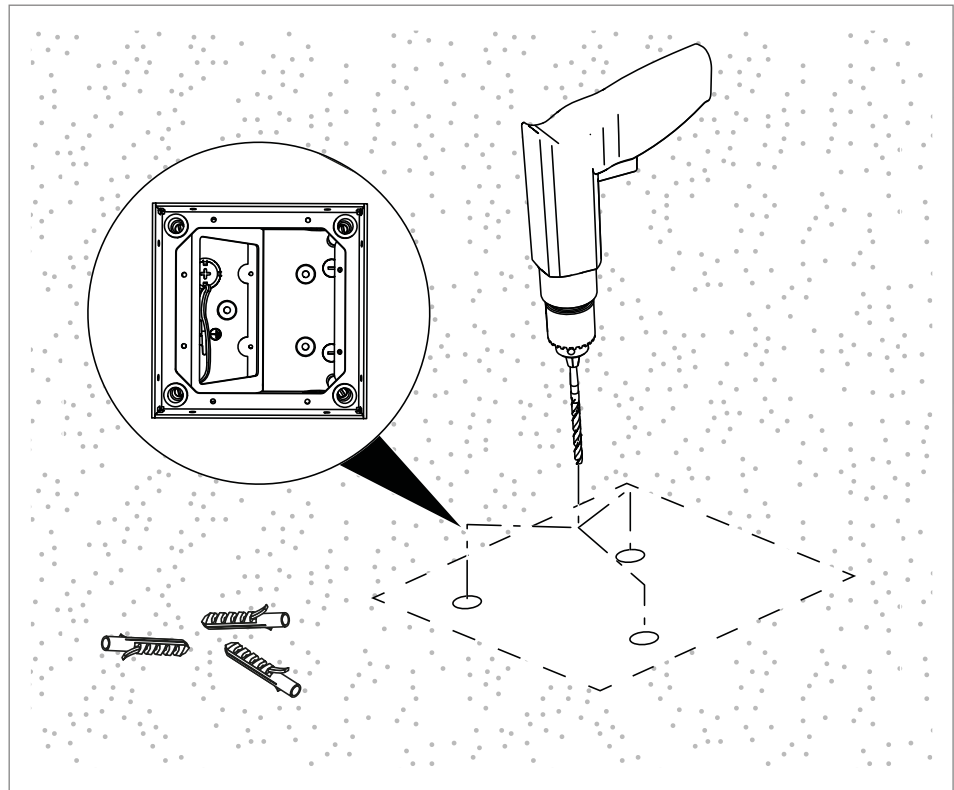


Abb. 7: Drawing on the drill holes

4. Draw the drill holes on the concrete floor and pre-drill them.

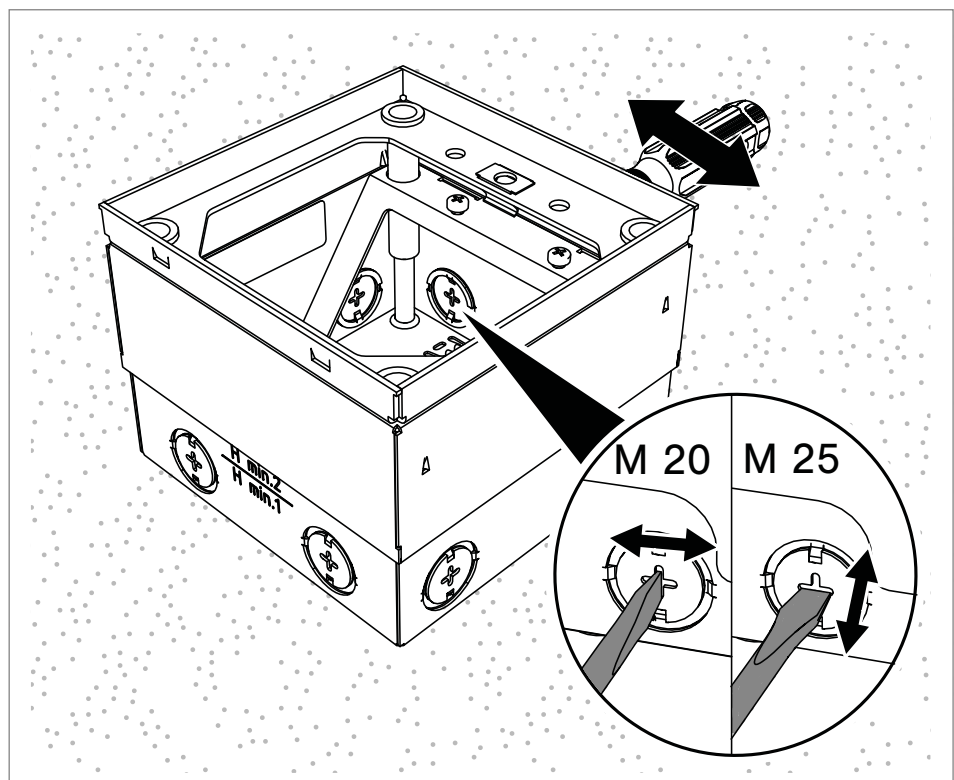


Abb. 8: Empty pipe entry

5. If required, lever out the pre-marked empty pipe entries **6** with a suitable tool (e.g. slotted screwdriver).

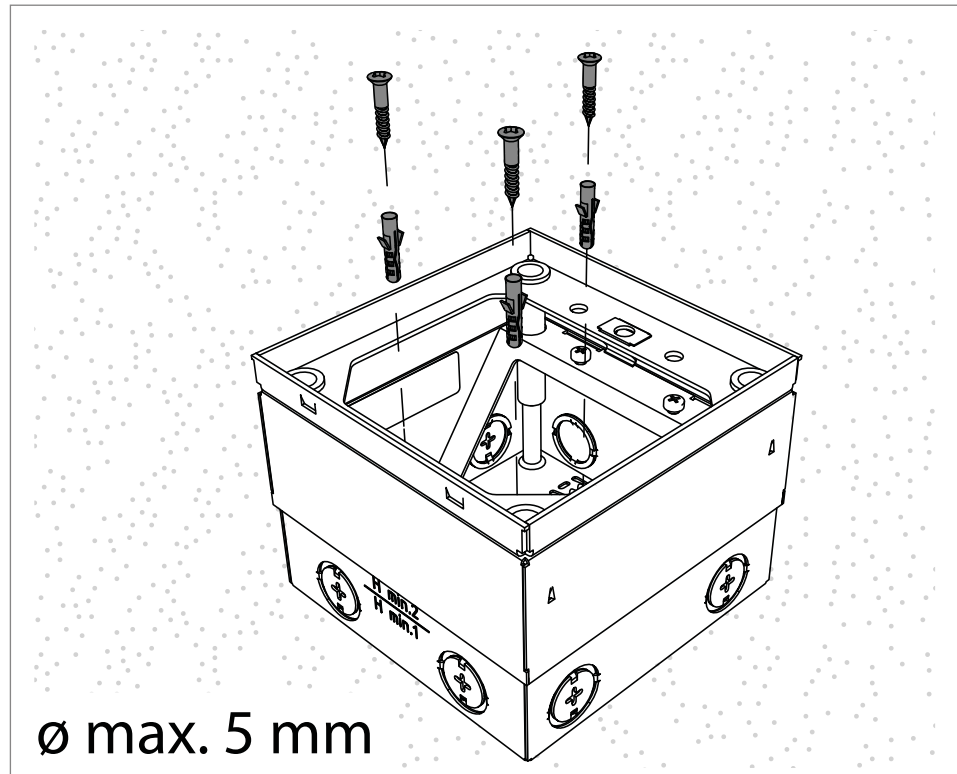


Abb. 9: Mounting the floor socket

6. Mount the housing **8** with suitable fastening material (e.g. anchors and bolts) on the concrete floor.

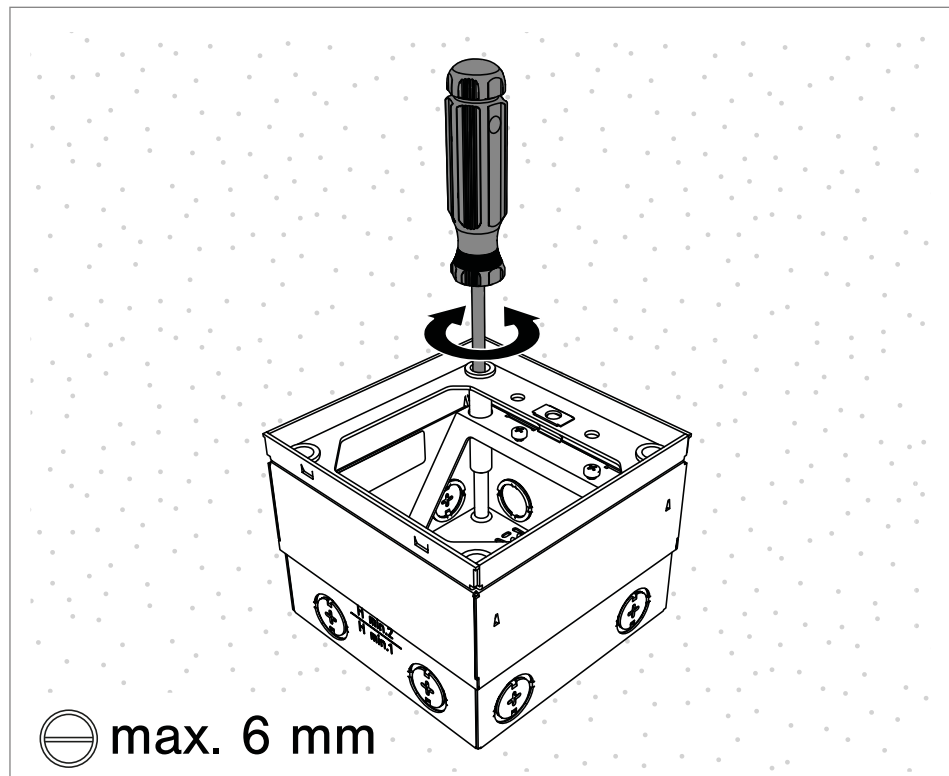


Abb. 10: Adjusting the height of the floor socket

7. Adjust the height of the housing **8** to the planned top edge of the screed. In doing so, ensure that the minimum installation depth is not

undershot. (Hmin2: 110 mm)

Note! *If screed laying follows, then insert the mounting support loosely into the floor socket for storage.*

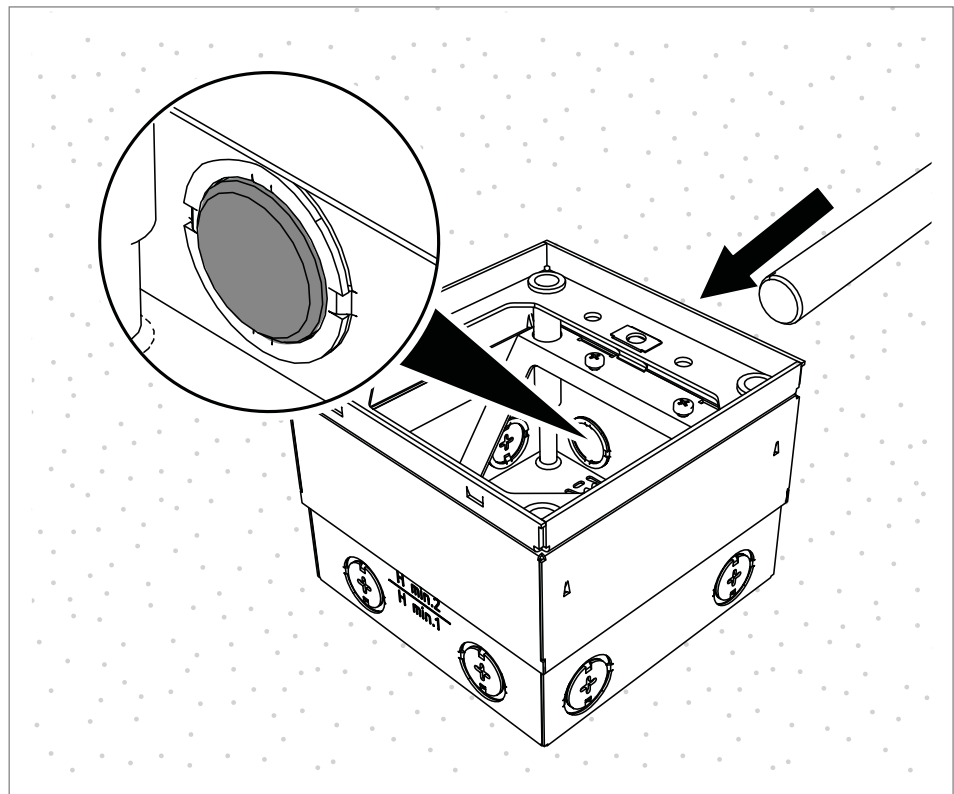


Abb. 11: Inserting installation pipes

8. Insert the installation pipe flush into the empty pipe entry **6** and fix them outside on the floor.

7 Laying the screed

ATTENTION

Risk of damage from screed!

The ingress of screed into the floor socket can lead to product damage! Before screed laying, protect the floor socket with the mounting cover.

Note! *Before screed work, apply a suitable separating layer to the housing of the floor socket, in order to reduce noise transmission and to avoid screed adhesion to the housing.*

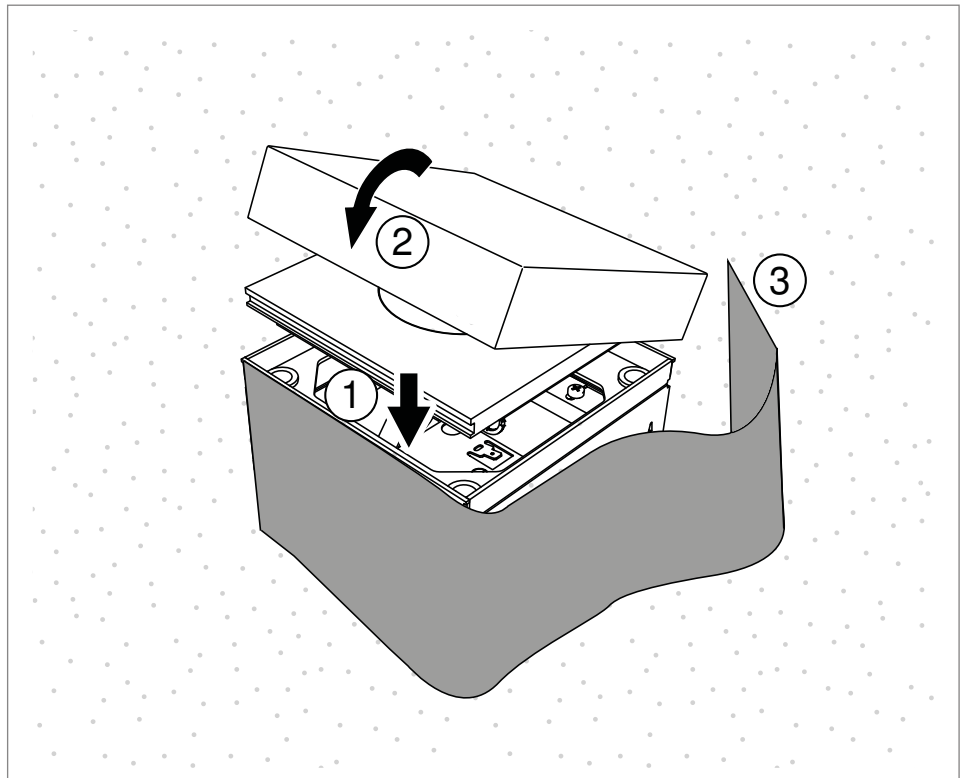


Abb. 12: Applying the separation layer

1. Close (1) the cover plate (4).
2. Attach (2) the mounting protection cover (10).
3. Apply (3) the separation layer to the housing (8).

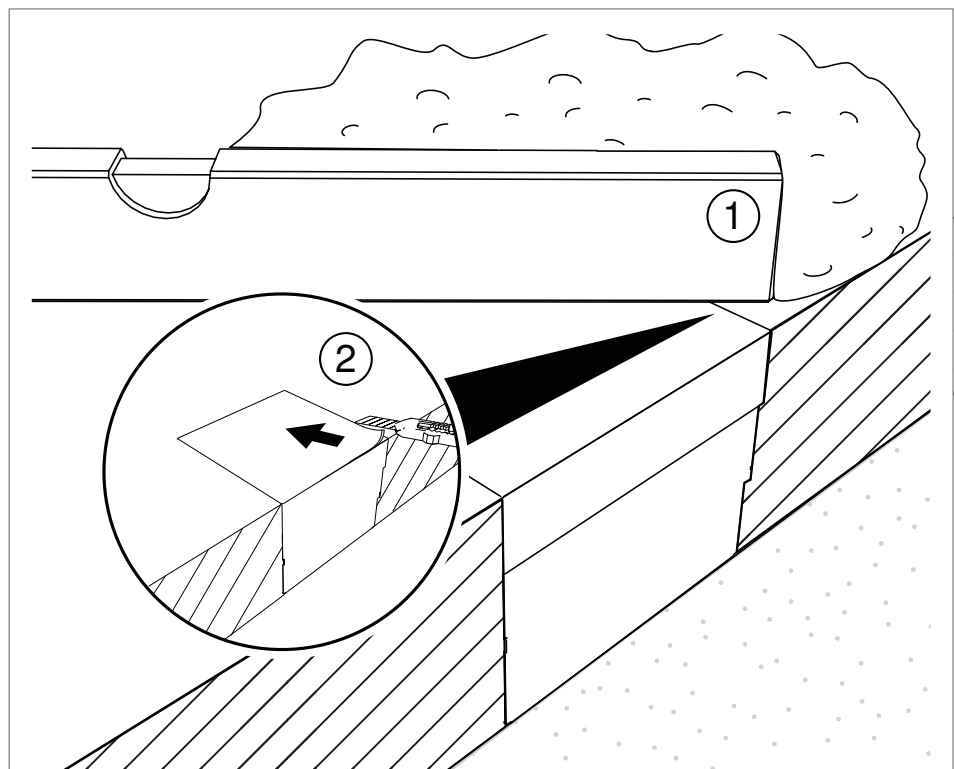


Abb. 13: Laying the screed

4. Lay the screed flush to the top edge of the mounting protection cover ⑩ and work it up to the floor socket ①.
5. Cut open ② the mounting protection cover ⑩ with a carpet knife. The paper strips at the side do not need to be removed.
6. Open the cover plate ④.

8 Applying the floor covering and adjusting the height

ATTENTION

Risk of damage through joint mortar!

Contact between the floor socket and joint mortar leads to product damage! When applying joint mortar to the expansion joint along the floor socket, the frame and cover must be protected against the joint material.

ATTENTION

Risk of damage from joint material/adhesive!

The ingress of the joint material/adhesive into the floor socket can lead to product damage! Thoroughly clean the interior after floor covering work.

ATTENTION

Risk of damage!

Adjustment of the floor socket to an excessive height can lead to product damage! Only adjust the height of the floor socket to the maximum adjustment height (H max). Ensure a maximum of 135 mm (screed + floor covering)

ATTENTION

Risk of damage through insufficient expansion joint!

An expanding floor covering without a sufficient expansion joint leads to product damage! Work the floor covering up to the floor socket housing with no tension. To achieve this, fill a sufficient expansion joint with permanently elastic joint material.

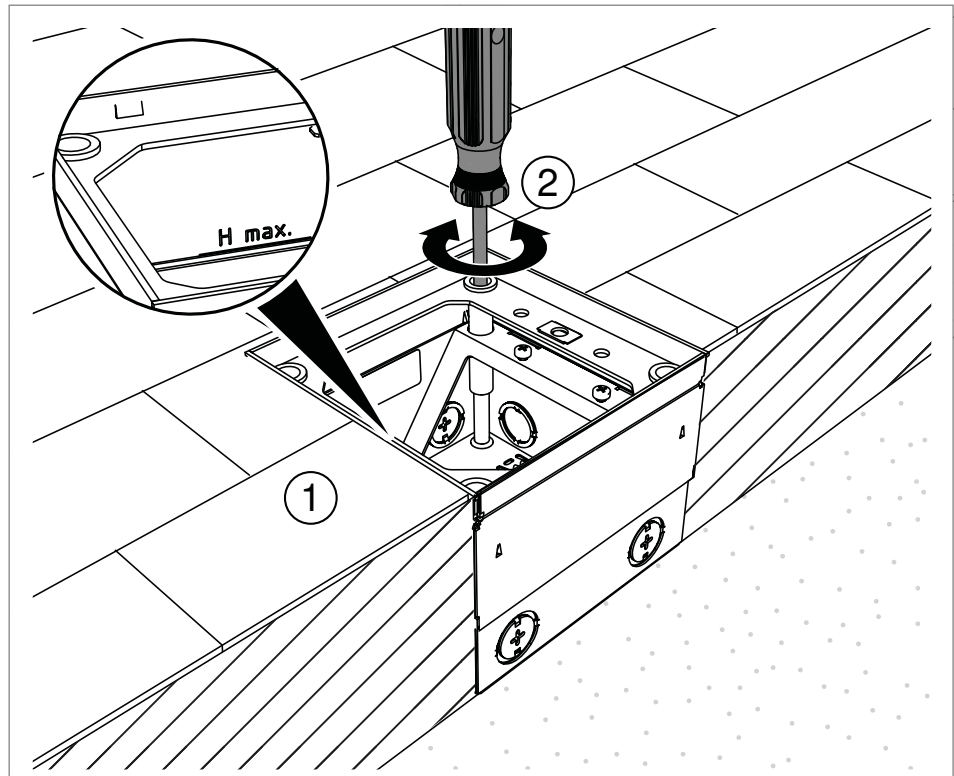


Abb. 14: Apply the floor covering and adjust the height of the floor socket

1. Apply the floor covering, selecting the width of an expansion joint according to the floor covering and the permanently elastic joint material ①.
2. Adjust the height of the floor socket to the upper edge of the floor covering ②.

ATTENTION

Risk of damage through missing plugs!

Missing plugs can allow moisture and impurities to enter the height-adjustment sleeves, leading to product damage! Insert the plugs into the 4 height-adjustment sleeves.

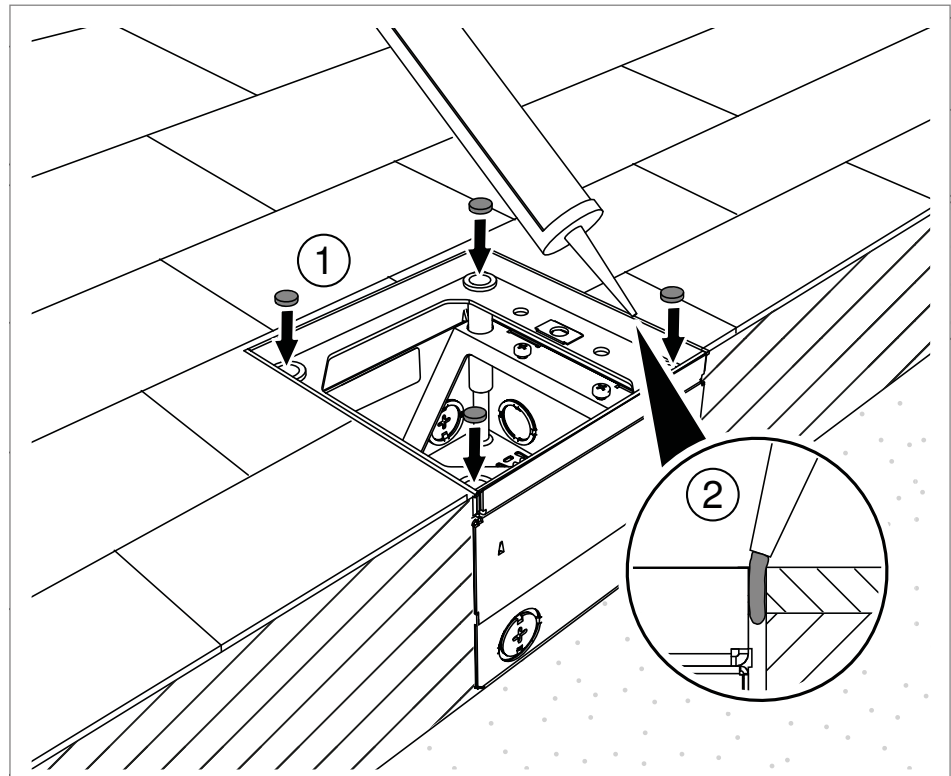


Abb. 15: Inserting the plug

3. Insert the supplied plugs into the threaded sleeves (1).
4. Fill the expansion joint around the floor socket with a suitable flexible, permanently elastic material (e.g. silicone) (2).

ATTENTION

Risk of damage from caustic cleaning agents!

Contact with cleaning agents containing acids/chlorides (e.g. cement residue removers) will cause damage to the product! Should the basic cleaning of the floor be carried out with these cleaning agents, we recommend that the cover should be removed during cleaning. Ensure that no moisture can ingress into the frame and housing. Should the cover remain in the frame during cleaning, then all the components, including the interior, should be protected against the caustic cleaning agents (e.g. by widespread masking). Should the components come into contact with caustic cleaning agents, then they and the seals should be cleaned with clear water.

9 Performing the electrical installation

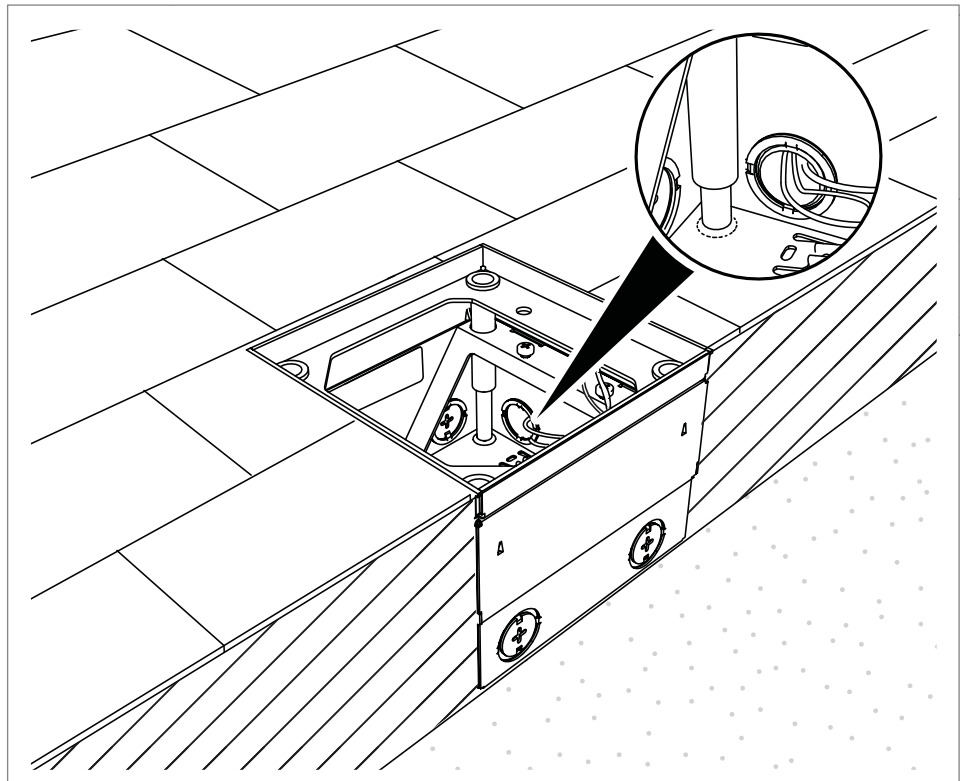


Abb. 16: Inserting the connection cable

1. Insert the connection cable of the socket 5 and strip the outer jacket as far as possible.

ATTENTION

Risk of damage through incorrect mounting!

Improper mounting can lead to product damage! Strip the outer jacket cables as far as possible, in order to guarantee the correct installation of the sockets.

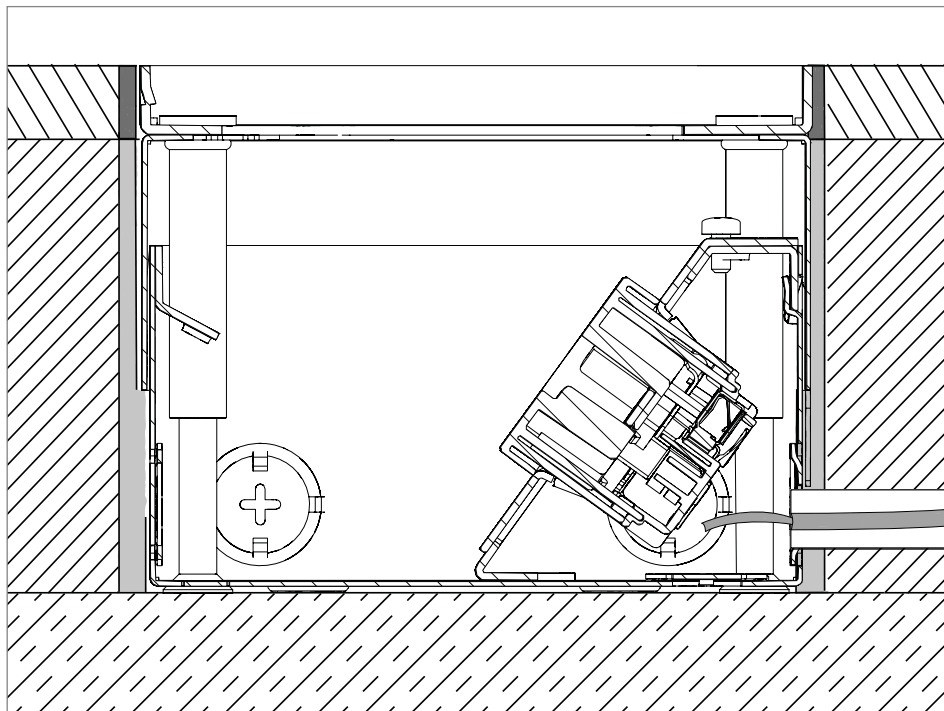


Abb. 17: Stripping the external jacket

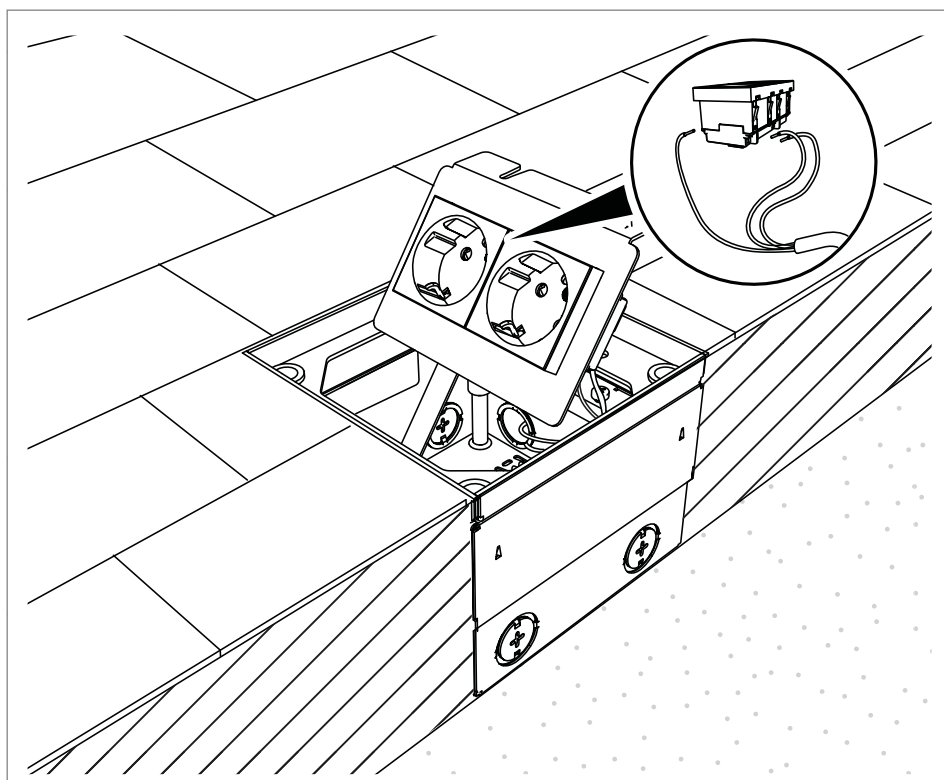


Abb. 18: Connecting the socket

2. Connect the socket 5 to the connection cable.

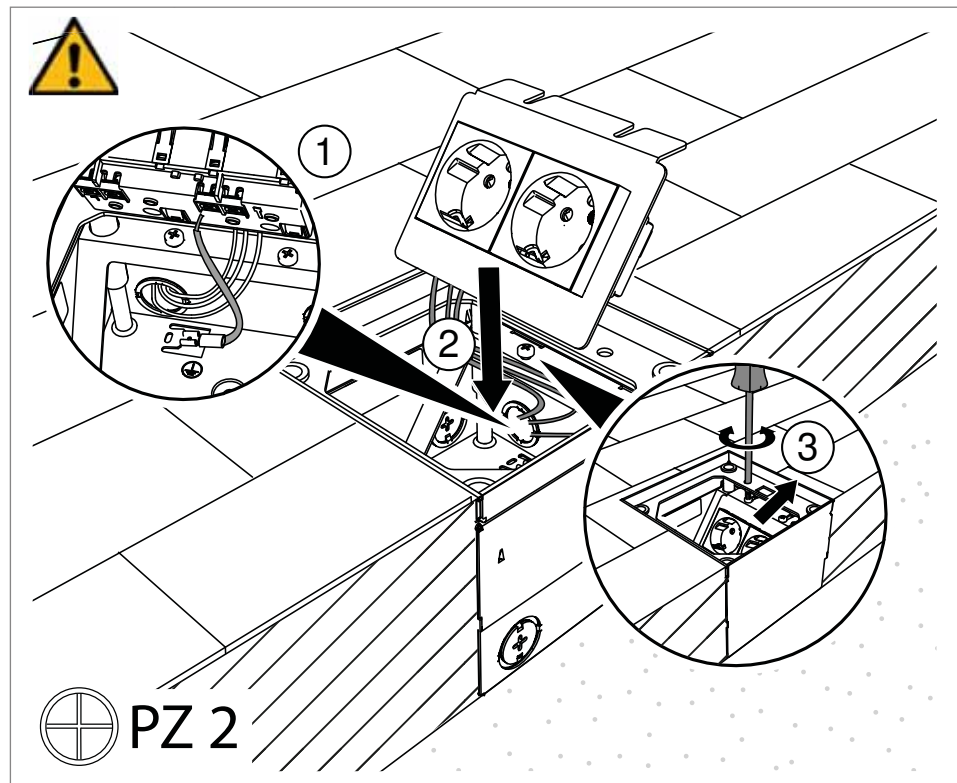


Abb. 19: Mounting the socket

3. Include the floor socket in the protective equipotential bonding by connecting the earthing cable.
4. Push the socket ⑤ into the housing up to the stop.

Note! *Make the cable into a loop to simplify the mounting of the mounting support.*

5. Tighten the fastening screws ③.

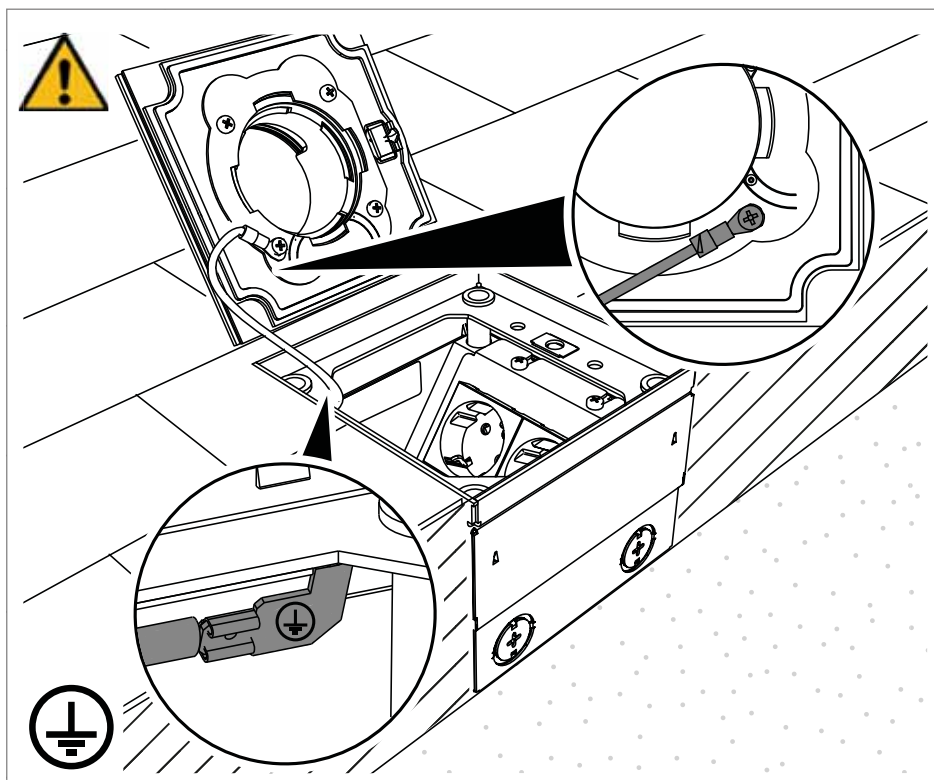


Abb. 20: Connecting the protective equipotential bonding

Note! *Recreate the protective equipotential bonding on the cover plate.*

Note! *The PE cable may not cover the opening for the tube body.*

10 Mounting the data technology support

1. Mount the data connection module in the data technology support according to the manufacturer's information.

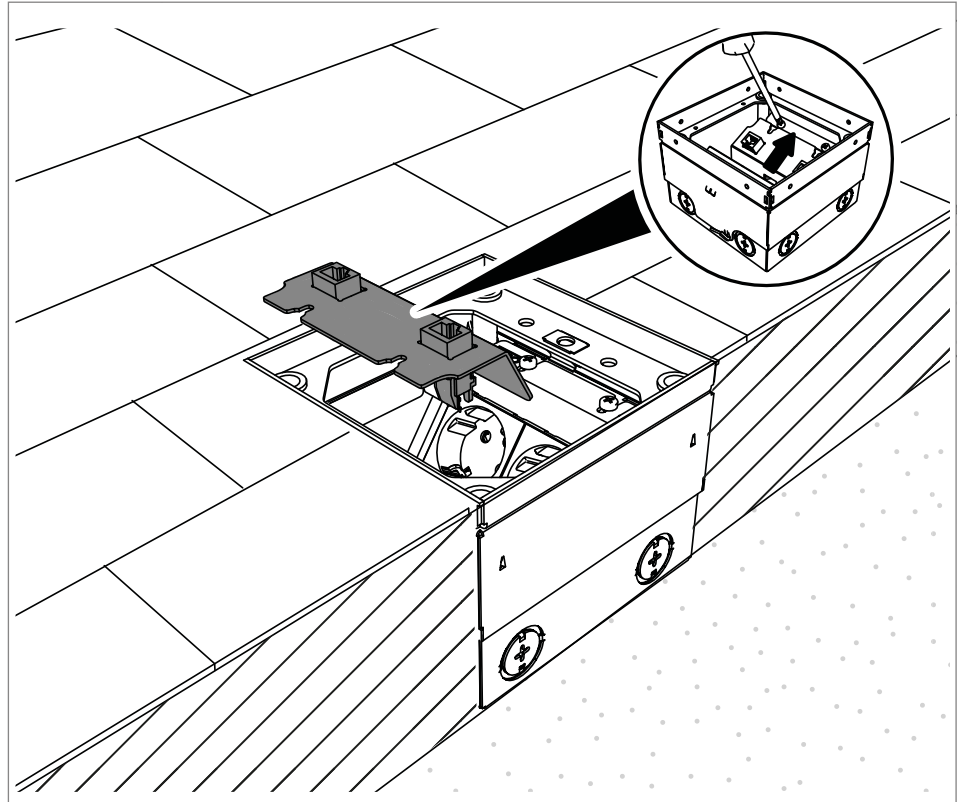


Abb. 21: Mounting the data technology support

2. Swivel in the data technology support and tighten the screws.

11 Using the floor socket

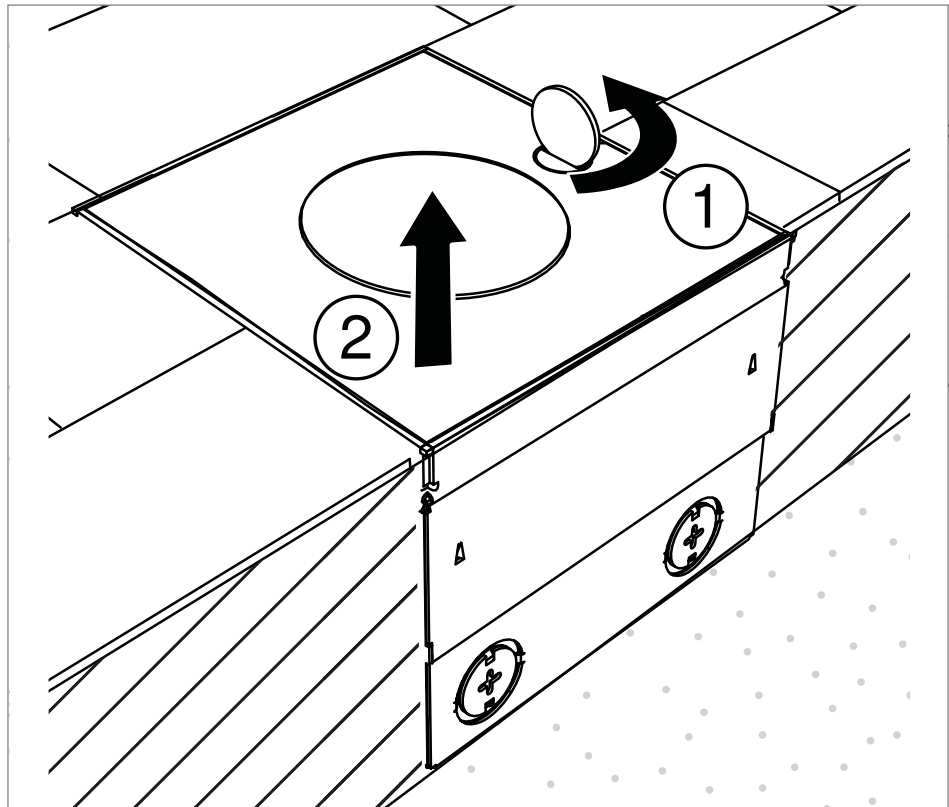


Abb. 22: Opening the cover

1. Using a coin, unlock the cover plate (4) with the turn buckle and open it (1).
2. Open (2) the cover plate (4).

ATTENTION

Risk of damage through insufficient locking!

Risk of damage through insufficient locking! Insufficient tube body unlocking can lead to product damage! Lock the tube body correctly after installation.

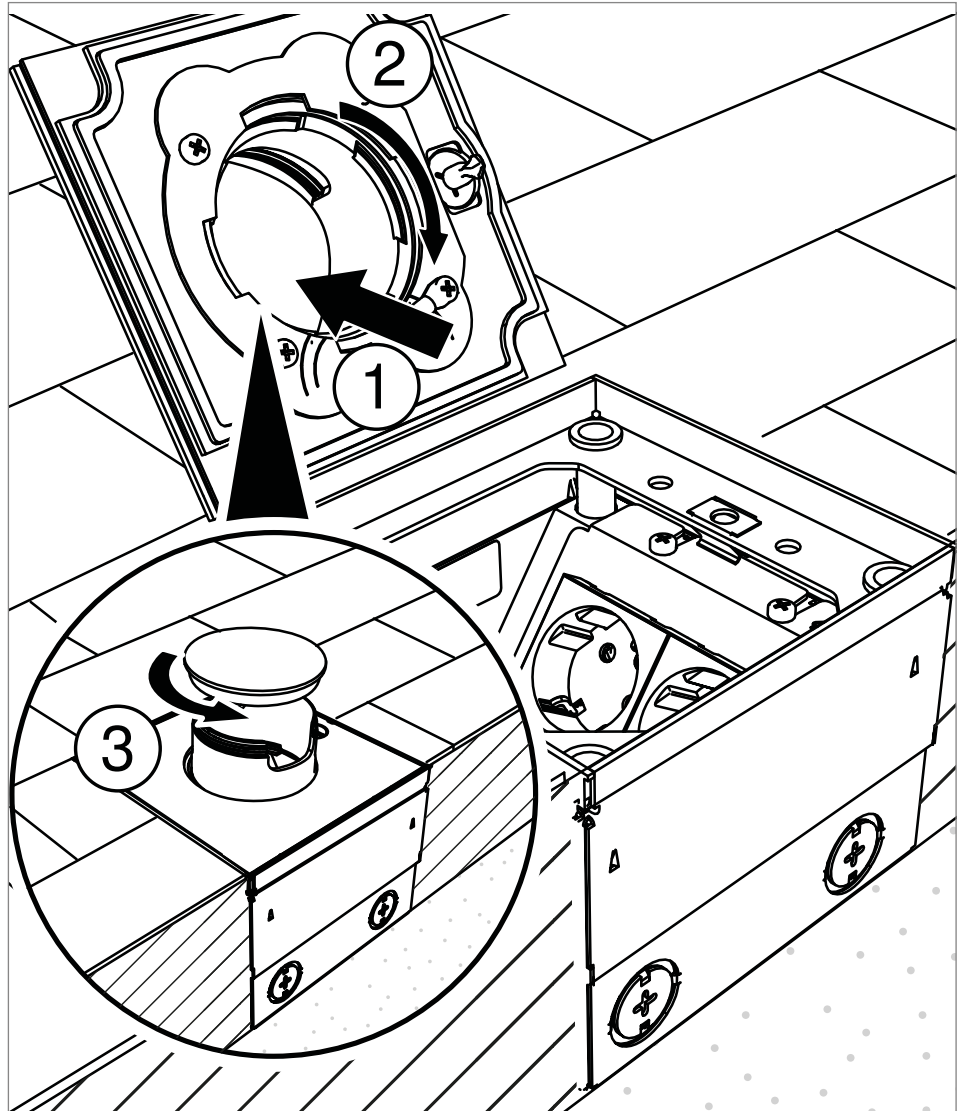


Abb. 23: Opening the tube body

3. Snap the tube body cable outlet (3) until it engages (1).
4. Lock the tube body cord outlet (3) with a 45° rotation (2).
5. Open (3) the tube body cover (1) by unscrewing it.

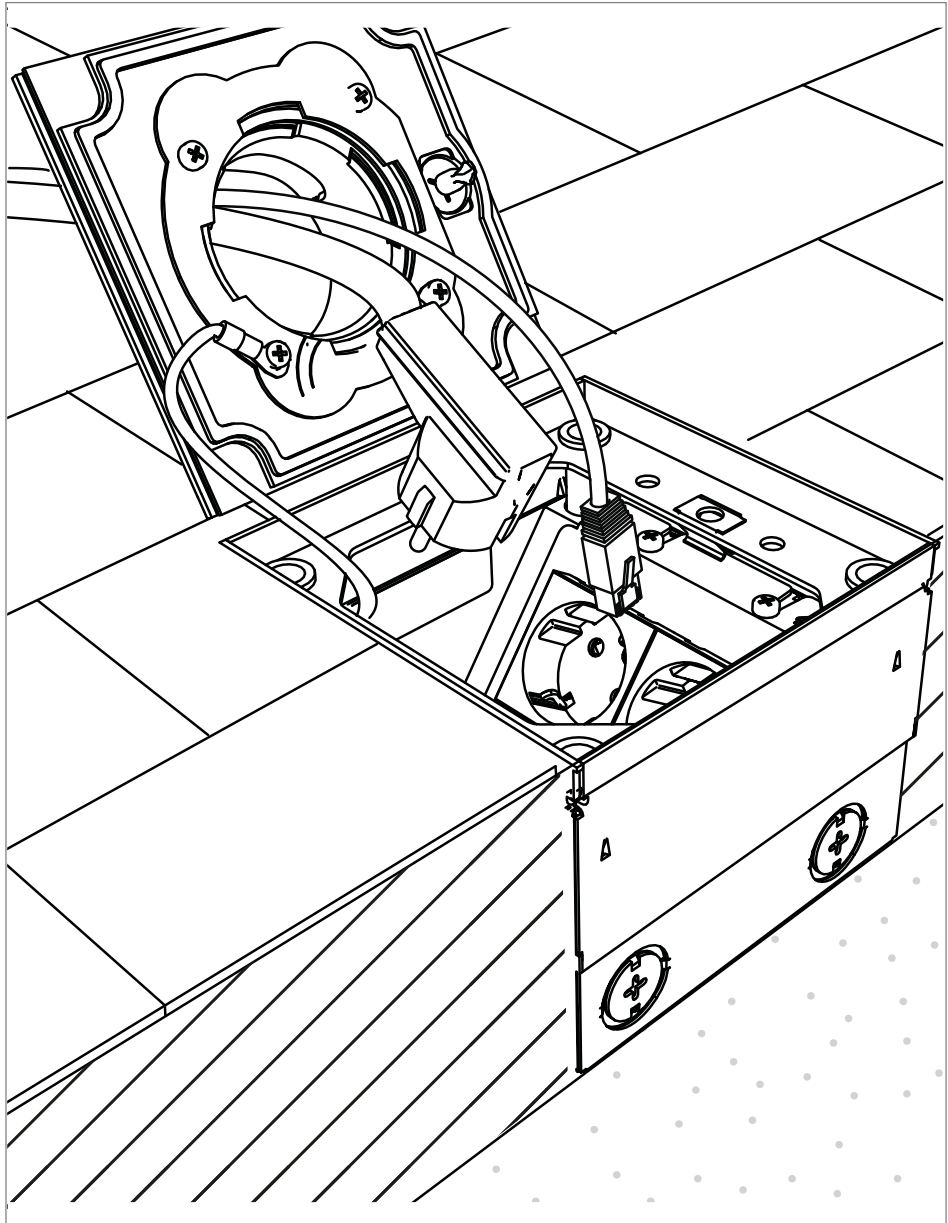


Abb. 24: Insert the connector

6. Run the plug/cable through the tube body and connect it.

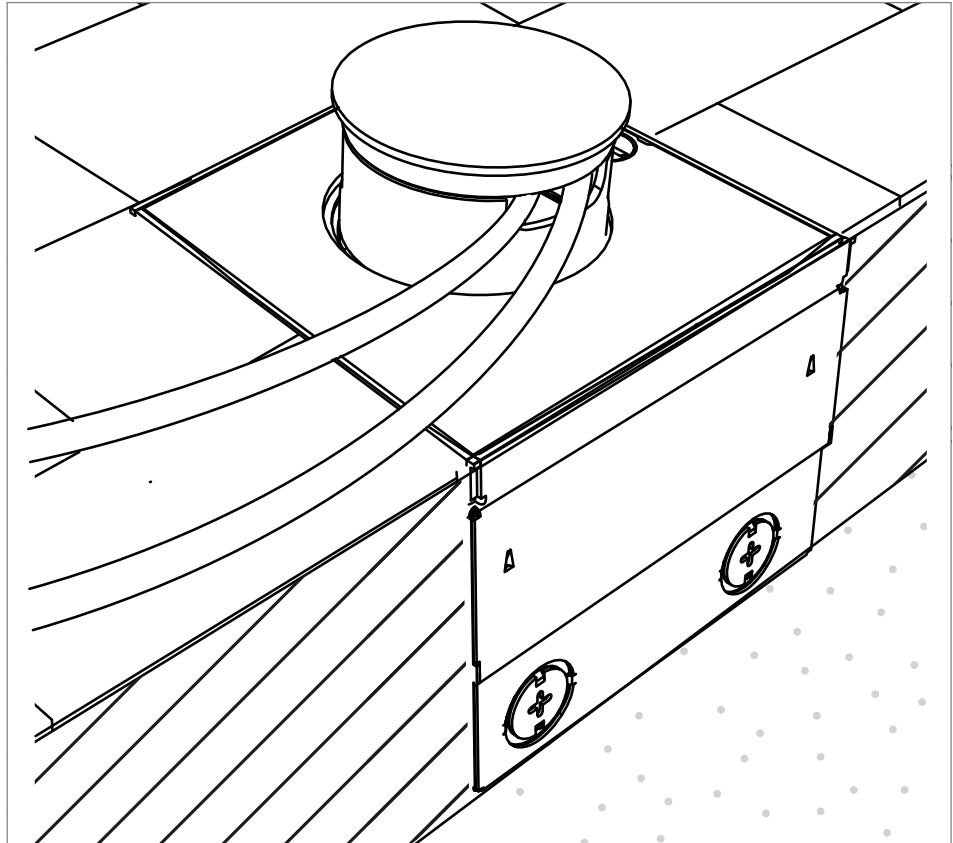


Abb. 25: Close the cover

7. Close the tube body cover ①.

12 Maintaining the floor socket

ATTENTION

Risk of damage through insufficient floor covering work and care!
Insufficient floor covering work and care can lead to product damage!

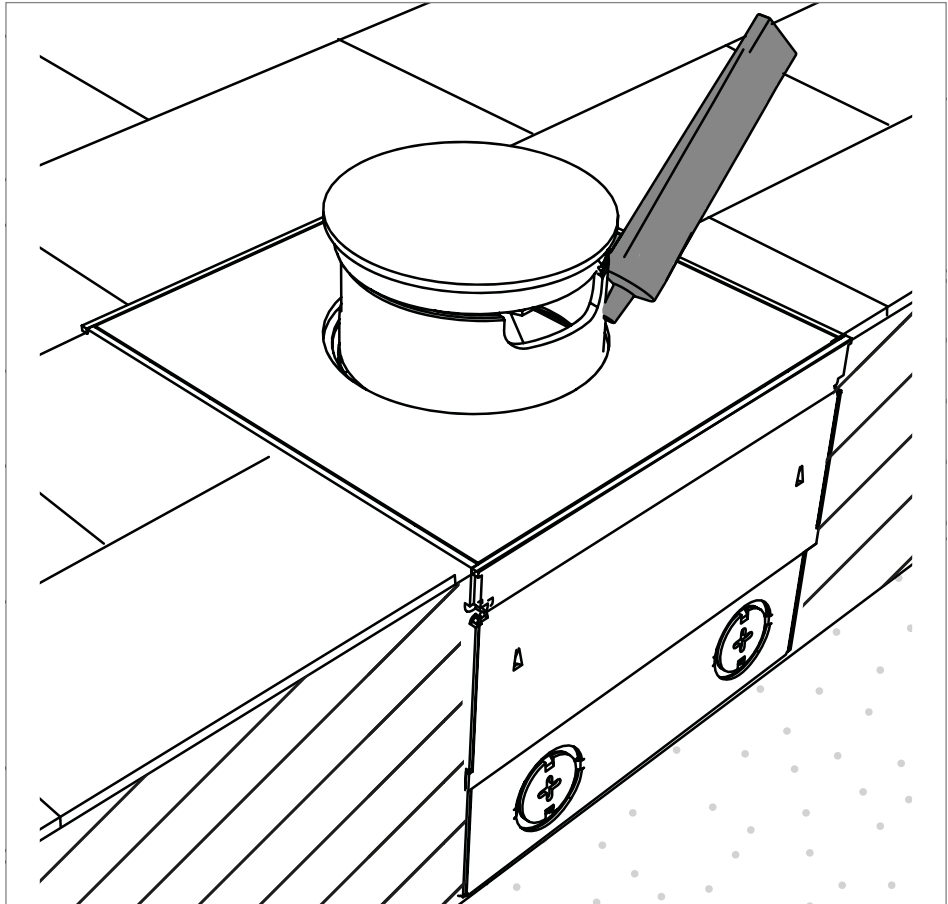


Abb. 26: Maintain the floor socket

1. Maintain the seal every 2–3 months with a care agent (item no. 7407 110).

13 Maintaining the floor socket

The floor socket does not require maintenance.

14 Dismantling the floor socket

Destruction-free dismantling of the floor socket is not possible.

15 Disposing of the floor socket

Comply with the local waste disposal regulations.

- Floor socket: As scrap metal
- Packaging: As household waste
- Socket: As electrical waste

16 Technical data

UDHOME2 with tube body	
Item no.	7368409, 7427097
Dimensions	140 x 140 x 110 mm
Height-adjustment range	110 to 135 mm
Minimum installation depth	110 mm
Floor care type according to EN 50085-2-2	Wet
Material	Stainless steel
Use temperature range	5–60 °C
Insertion openings	8 x M20/M25
Socket type	Double VDE socket

Tab. 1: Technical data

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