



Installation instructions  
Protective cover / bracket for industrial LTE 4G router  
**E90001**

**GB**

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# 1 Preliminary note

You will find instructions, technical data, approvals and further information using the QR code on the unit / packaging or at [documentation.ifm.com](https://documentation.ifm.com).

## 1.1 Legal and copyright information

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- Manufacturer:

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302 50 Halmstad  
Schweden

- Sales:

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Deutschland

## 1.2 Purpose of the document

This document describes the installation of the protective cover and the bracket for the industrial LTE 4G router (part no: AE9000 / AE9001).

## 1.3 Symbols used

- ✓ Requirement
- Instructions
- ▷ Reaction, result
- [...] Designation of keys, buttons or indications
- Cross-reference
-  Important note  
Non-compliance may result in malfunction or interference.
-  Information  
Supplementary note

## 2 Items supplied

Protective cover for the industrial LTE 4G router

- 1 protective cover
- 1 sealing ring (O-ring)
- 1 cable gland
- 1 O-ring for the cable gland
- 1 rubber seal with 2 cable feedthroughs
- 1 dummy plug (for closing the unused feedthrough of the rubber seal)

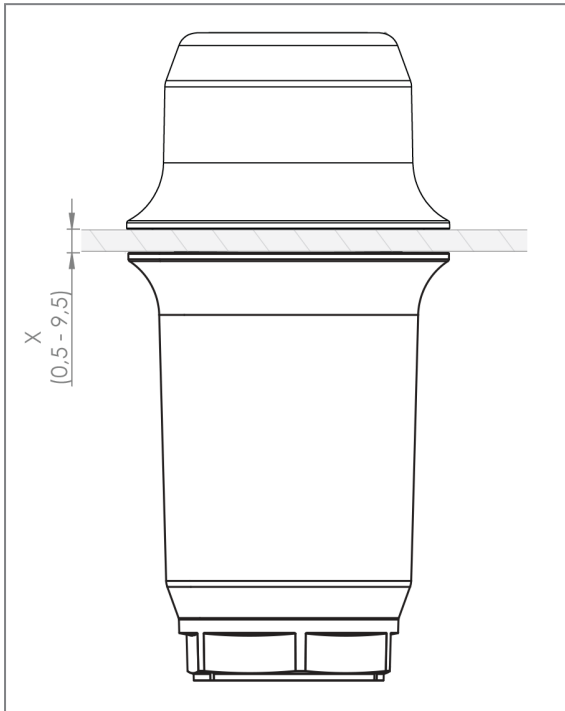
Bracket for the LTE 4G router

- 1 bracket
- 3 fixing screws
- 3 dowels
- 2 mounting clamps for mast mounting, stainless steel

## 3 Installation

### 3.1 Notes on the installation

#### 3.1.1 Mounting surface



The mounting surface must not be thicker than 10 mm.

Fig. 1: All dimensions in mm

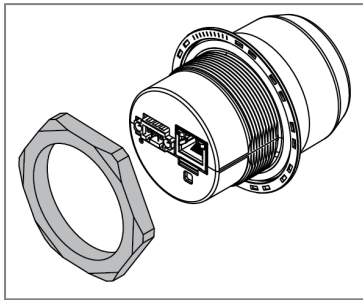
#### 3.1.2 Connection technology



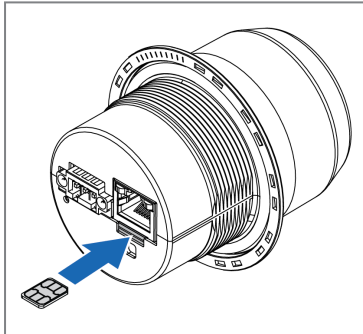
To ensure sealing by the rubber seal, use only perfectly round cables for the power supply and network connection.

Cable diameter: 6 +0.5 mm / -0.1 mm

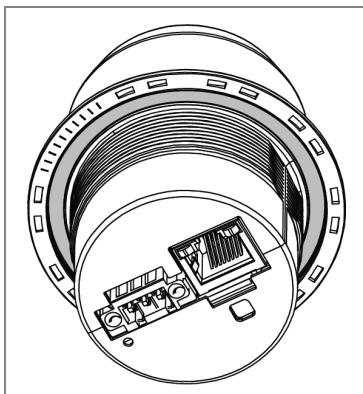
### 3.2 Protective cover: installation



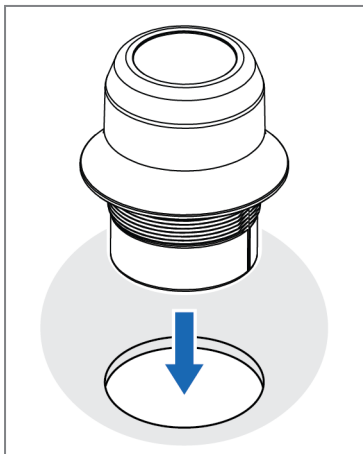
- Unscrew and remove the locking nut of the LTE router.



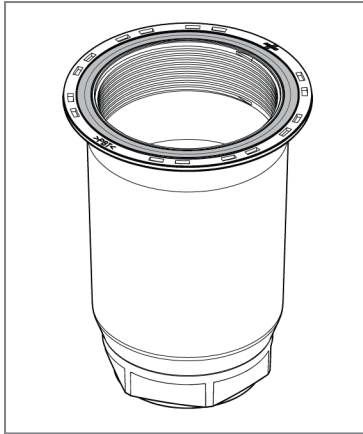
- Optional: Insert the SIM card into the SIM card slot of the LTE router.



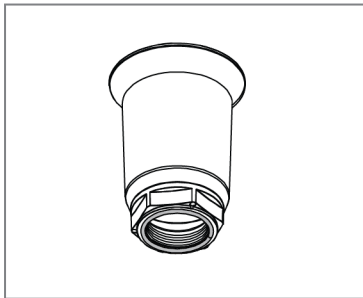
- Make sure that the O-ring is correctly positioned in the groove of the LTE router.



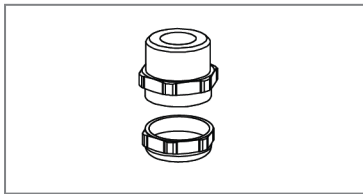
- Insert the LTE router into the mounting hole, a surface or the bracket.



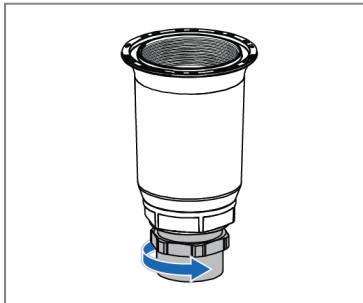
- Insert the supplied O-ring into the groove on the top of the protective cover.



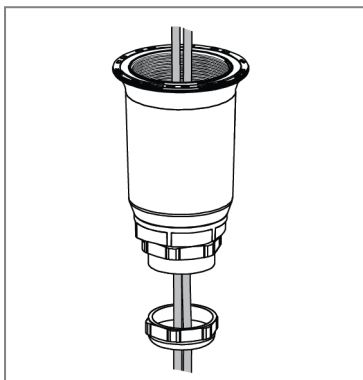
- Insert the O-ring for the cable gland into the groove on the bottom of the protective cover.



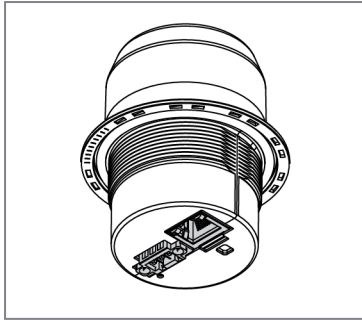
- Unscrew the lower part from the upper part of the cable gland.



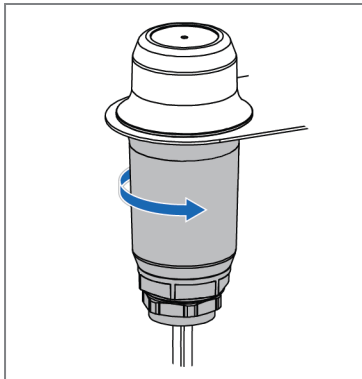
- Screw the upper part of the cable gland to the protective cover of the LTE router. Tightening torque: 5 Nm.



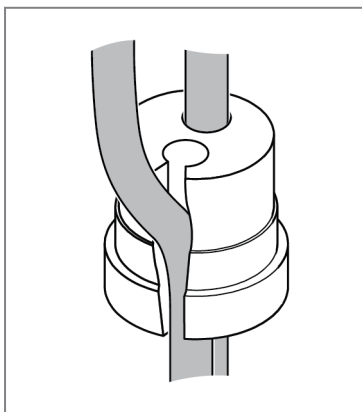
- Pull the cables through the protective cover and cable gland.



- ▶ Connect the cables to the LTE router.



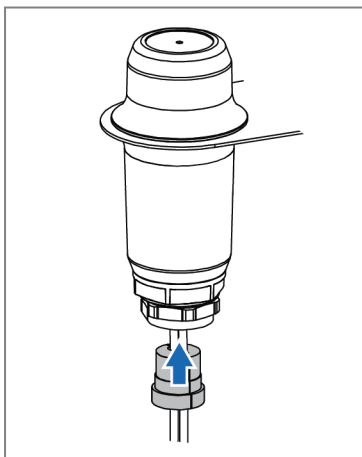
- ▶ Screw the protective cover to the LTE router. Tightening torque: 5 Nm.



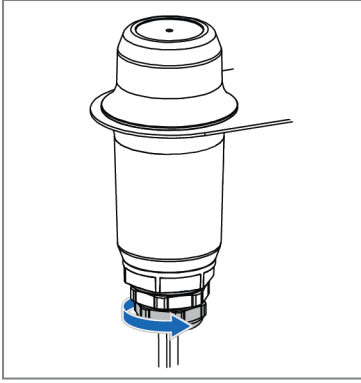
- ▶ Open the slots of the rubber seal of the cable gland and insert the cables into the cable ducts.



If only one cable is used, the unused cable duct must be sealed with the supplied dummy plug.

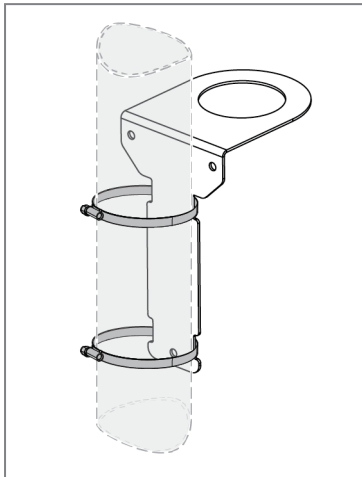


- ▶ Insert the rubber seal into the upper part of the cable gland.



- ▶ Screw together the lower and upper parts of the cable gland. Only hand-tighten.
- ▶ Check if the parts of the cable gland, the rubber seal and the cables have been duly fixed.
- ▶  Ensure that the cables are properly secured in the cable gland in order to avoid pull force on the cables.

### 3.3 Bracket: mast mounting



- ▶ Position the mounting clamps (→ Items supplied) and the bracket on the mast as required.
- ▶ Attach the mounting clamps to the mast and secure by tightening the screws.
- ▶ Remove any protruding material from the mounting clamps.

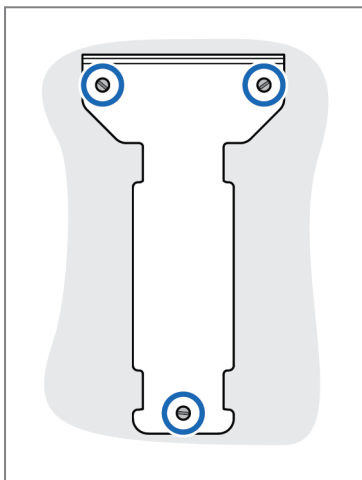


- ▶ Ensure that the bracket is firmly attached to the mast.

### 3.4 Bracket: wall mounting



The dowels supplied are suitable for use with concrete, stone or brick.



- ▶ Drill 3 holes in the wall.

Properties of the drill holes

- Diameter: 8 mm
- Depth: 45 mm

- ▶ Insert the dowels (→ Items supplied) into the drill holes.
- ▶ Use the 3 fixing screws (→ Items supplied) to fix the bracket to the wall.