Installation instructions

E80392

Content

1 Preliminary note

This document is intended for specialists. These specialists are people who are qualified by their appropriate training and their experience to see risks and to avoid possible hazards that may be caused during operation or maintenance of the accessories. The document contains information about the correct handling of the accessories.

Read this document before use to familiarise yourself with the operating conditions and installation. Keep this document during the entire duration of use of the accessories.

1.1 Symbols used

▶ 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 Functions and features

The article E80392 is an accessory for rectangular type RFID read/write heads. The accessory is used to change the field of the connected RFID read/write head. This leads to the following effects depending on the installation of the accessories:

• larger detection zone

• smaller detection zone

3 Items supplied

3.1 E80392

• E80392 for RFID read/write head, rectangular type

• 2x lens screw M3x6

4 Installation

4.1 Mounting E80392

E80392 is suitable for mounting to a rectangular type RFID read/write head (e.g. ANT515 / ANT516).
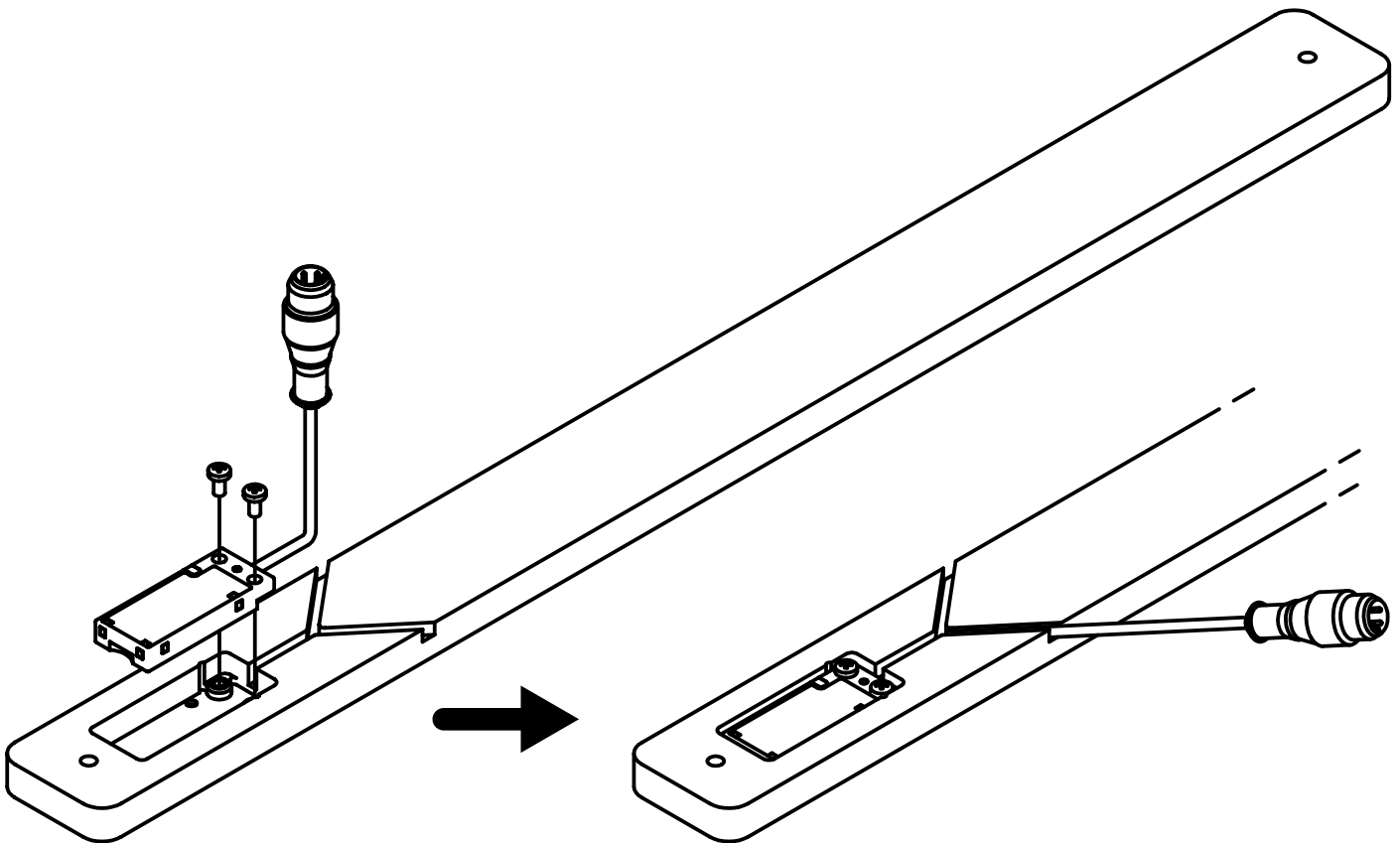
> ⚠ If E80392 is mounted on metal or in the vicinity of metal, the range of the RFID read/write head is reduced:
> - The range is reduced to 20 % if the distance to the metal is approx. 5 mm.
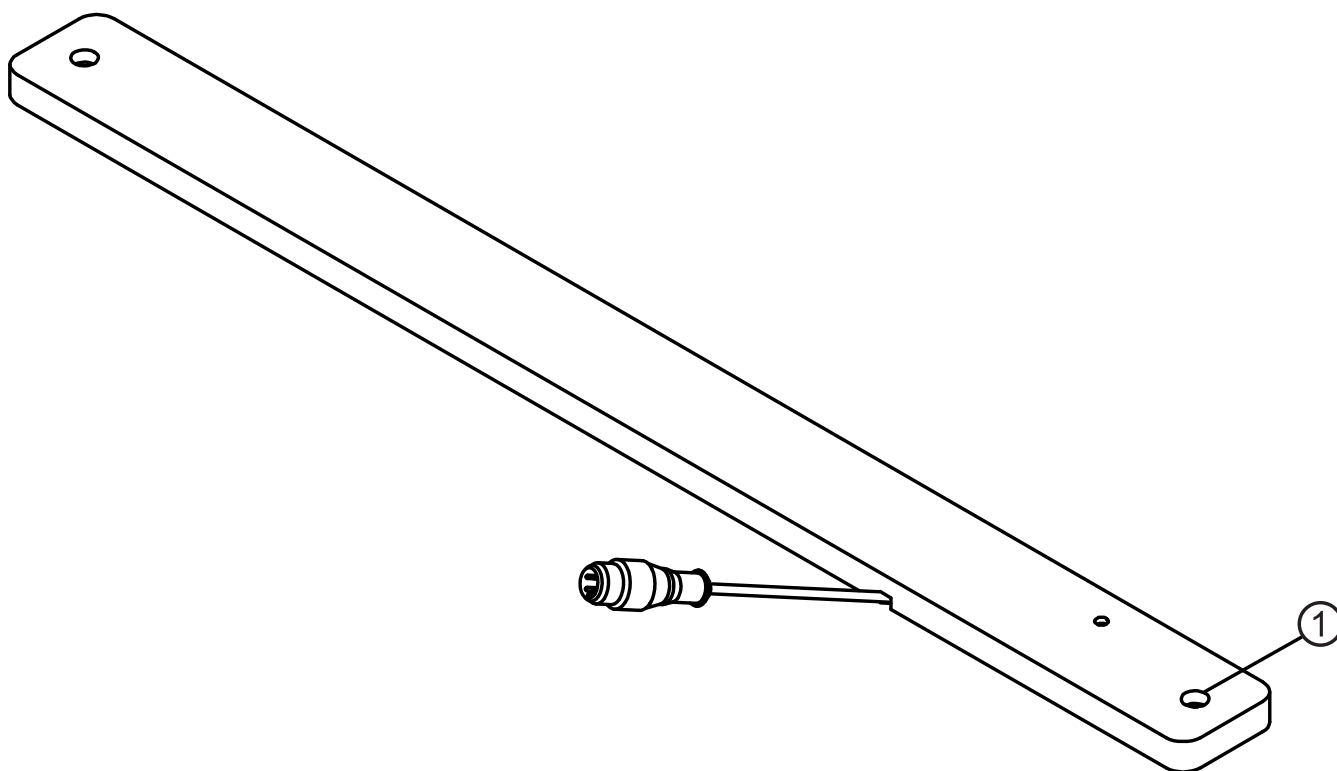> - The range is reduced to 40 % if the distance to the metal is approx. 10 mm.

Follow the instructions:

1. Place the RFID read/write head in the cut-out of E80392 (see figure below).
> The RFID read/write head must be placed and clipped in in the cut-out with the sensing face showing downward.
2. Insert M3x6 lens screws into the RFID read/write head and tighten.

3. Turn E80392 around (see figure below).
> The sensing face of the read/write head points upwards.

4. Mount E80392 to the surface via mounting holes ①.

5 Technical data

5.1 E80392 detection zone

The figure below shows the detection zone of an ANT515 with and without E80392. A 50 mm tag (E80384) was used for the measurement.

☐ ANT515 with E80392
▦ ANT515 without E80392