GB

Contents

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.

1.1   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

1.2   Legal and copyright information

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2 Safety instructions

General

- The unit described is a subcomponent for integration into a system.
  - The system architect is responsible for the safety of the system.
  - The system architect undertakes to perform a risk assessment and to create documentation in accordance with legal and normative requirements to be provided to the operator and user of the system. This documentation must contain all necessary information and safety instructions for the operator, the user and, if applicable, for any service personnel authorised by the architect of the system.
- Read this document before setting up the product and keep it during the entire service life.
- The product must be suitable for the corresponding applications and environmental conditions without any restrictions.
- Only use the product for its intended purpose (→ Intended use).
- If the operating instructions or the technical data are not adhered to, personal injury and/or damage to property may occur.
- The manufacturer assumes no liability or warranty for any consequences caused by tampering with the product or incorrect use by the operator.
- Installation, electrical connection, set-up, operation and maintenance of the product must be carried out by qualified personnel authorised by the machine operator.
- Protect units and cables against damage.

Radio equipment

In general, radio equipment must not be used in the vicinity of petrol stations, fuel depots, chemical plants or blasting operations.

▶ Do not transport and store any flammable gases, liquids or explosive substances near the unit.

Interference of electronic and medical devices

Operation can affect the function of electronic devices that are not correctly shielded.

▶ Disconnect the device in the vicinity of medical equipment.

▶ Contact the manufacturer of the corresponding device in case of any interference.

3   Intended use

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

4   Installation

4.1   Installing E80392

E80392 is suitable for installation on a rectangular type RFID read/write head (e.g. ANT515 / ANT516).

> [!] If E8039x is mounted on metal or in the vicinity of metal, the range of the RFID read/write head is reduced.
>
> ▶ Mount the E8039x at least 100 mm away from metal objects.

• 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.

Installing the E80392:

▶ Place the RFID read/write head in the cut-out of the E80392 (see next figure).

▷ The sensing face of the RFID read/write head must point in the direction of the E80392.
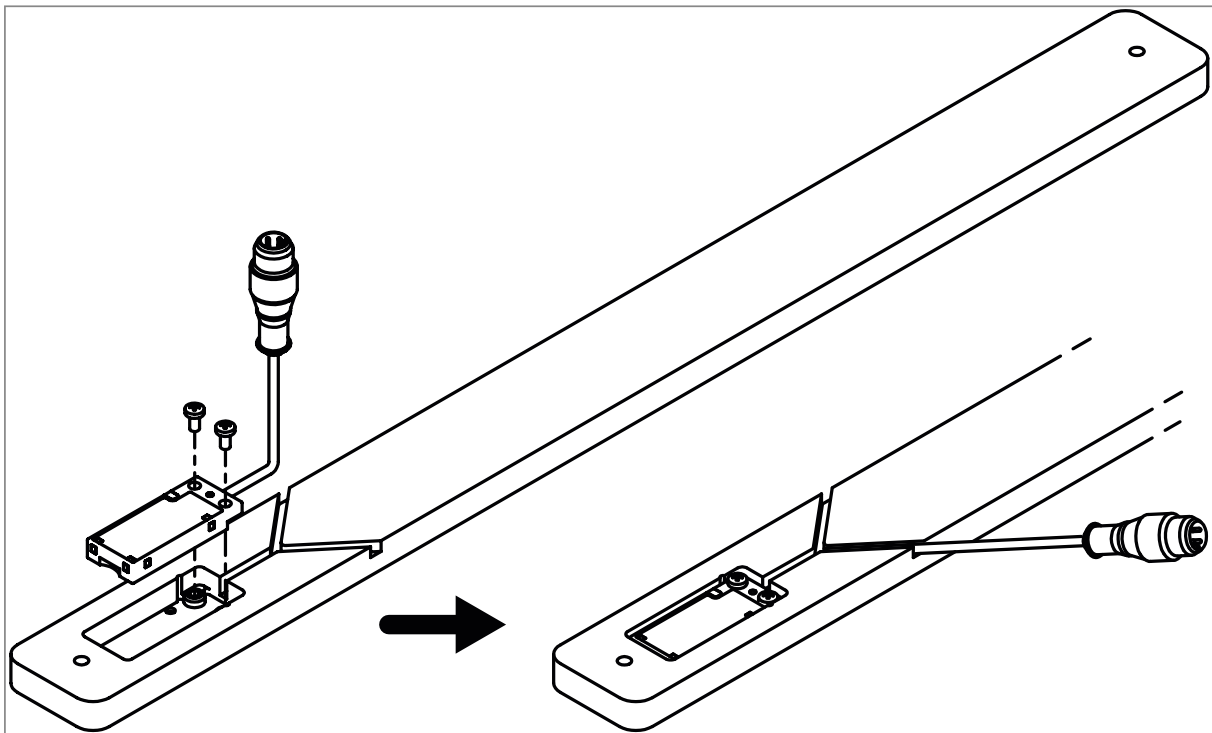

Fig. 1: The RFID read/write head is placed in the cut-out of the E80392.

▶ Screw the RFID read/write head to the E80392 with 2x M3x6 lens screws.

▶ Turn the E80392 over (see next figure).

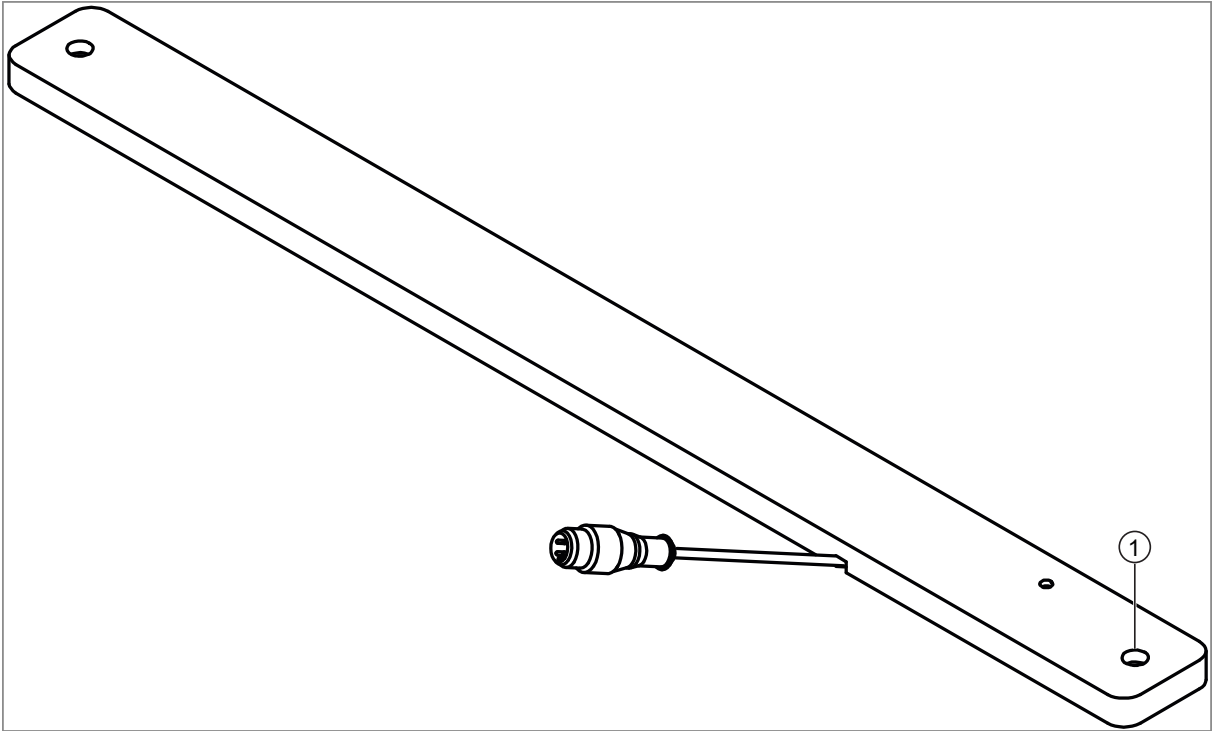▷ The sensing face of the RFID read/write head points upwards.

Fig. 2: Turned E80392
① Mounting holes

▶ Use the mounting holes ① to fix the E80392 to a suitable surface.

5 Technical data

5.1 E80392 detection range

The figure below shows the detection range of an ANT515 with and without E80392. A 50 mm tag (E80384) was used for the measurement.
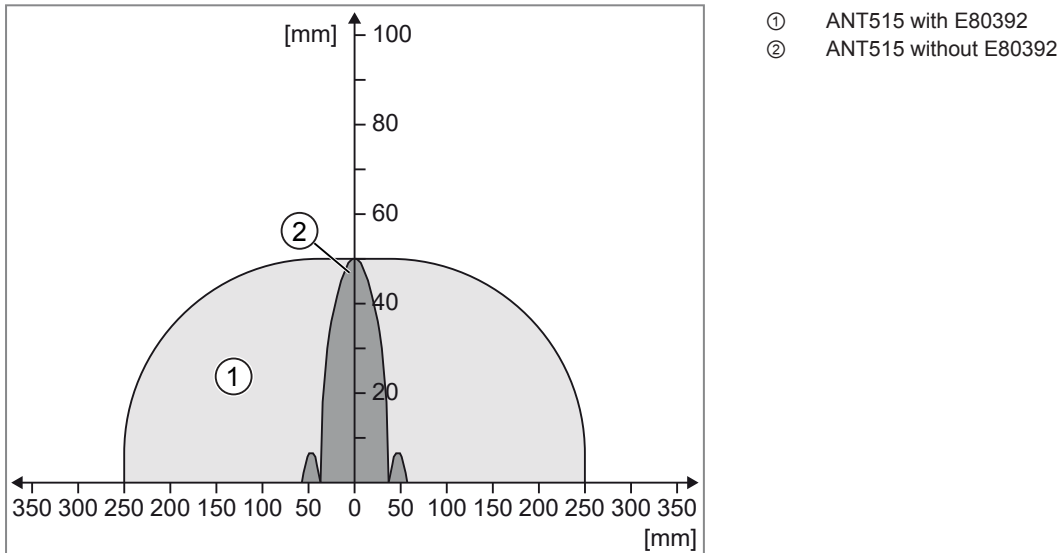
①	ANT515 with E80392
②	ANT515 without E80392

Fig. 3: Detection range of an ANT515

6 Maintenance, repair and disposal

The unit is maintenance-free.

▶ Contact ifm in case of malfunction.

▶ Do not open the housing as the unit does not contain any components which can be maintained by the user. The unit must only be repaired by the manufacturer.

▶ Clean the device using a dry cloth.

▶ Dispose of the unit in accordance with the national environmental regulations.

7   Approvals/standards

For approvals and standards, the following information is available:

- Test standards and regulations: documentation.ifm.com
- EU declaration of conformity and approvals: documentation.ifm.com
- Notes relevant for approval: Package insert of the device and documentation.ifm.com