

## QUICK INSTALLATION

## ID MAX.U500i

## Scope of Delivery



1 x Vehicle Access Control Reader ID MAX.U500i



1 x M20 cable gland; cable  $\varnothing$  6–13 mm; for USB



1 x M20 reduction sealing insert for 1 cable; cable  $\varnothing$  4–8 mm



1x M25 slotted reduction sealing insert for 1 cable; cable  $\varnothing$  4–6.5 mm



1 x M20 multiple sealing insert for 2 cables; cable  $\varnothing$  2–4 mm



1 x M20 multiple sealing insert for 4 cables; cable  $\varnothing$  2–4 mm



1 x M16 multiple sealing insert for 2 cables; cable  $\varnothing$  2–4 mm



2 x UHF windshield transponder

## Required Tools

- Slotted screwdriver big
- Slotted screwdriver small
- Hex key size 5

## Available Software

- USB driver (when using the USB interface)
- Access control software myAXXESS Manager (V2.04 or higher)

Driver and software can be downloaded from the download area of FEIG under the following link:

<https://www.feig.de/en/login>

Username: myAXXESS  
Password: max\_reader



## Commissioning of the ID MAX.U500i

### STEP 1

Attach the ID MAX.U500i to the pole or bollard using the VESA mounting kit. The reader should be aligned at a 45° angle to the lane. For secondary protection the reader should be secured by means of an eye bolt.

**NOTE:**

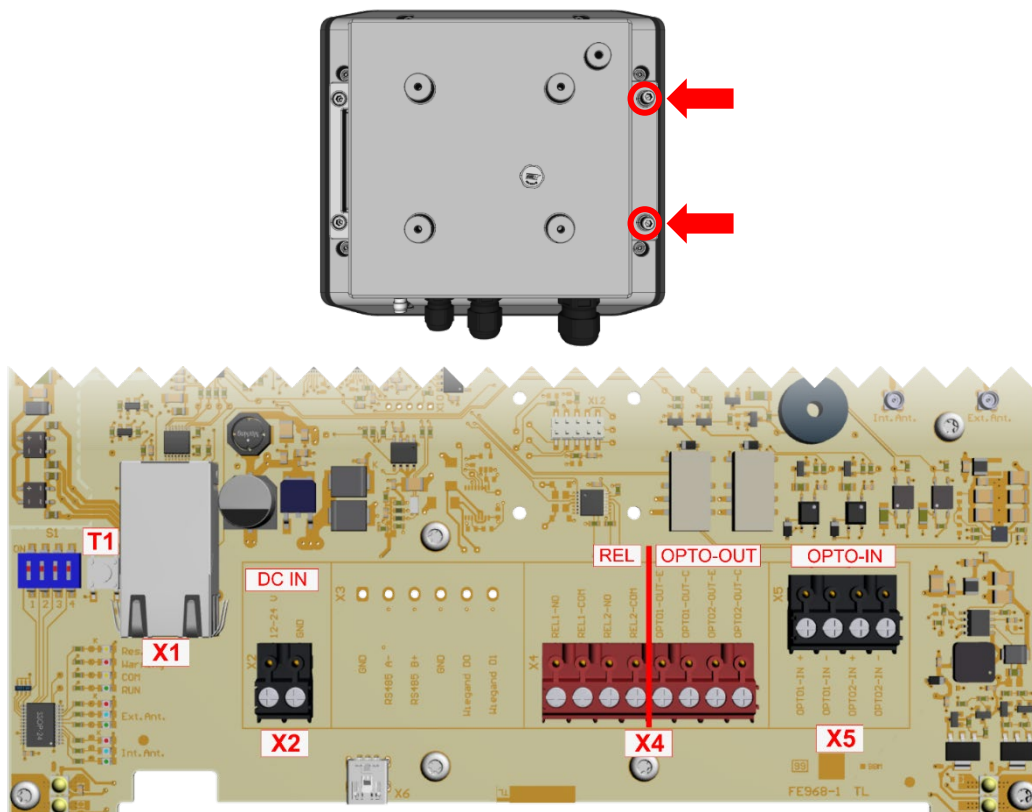
**The screws used should have a screw-in depth of maximum 8 mm.**

The mounting height depends on the type of vehicle that should be detected.

Vehicle Type	Recommended Mounting Height
cars only	approx. 2.0 m
lorries and busses only	approx. 2.5 m
cars, lorries & busses	approx. 2.0 m

### STEP 2

Open the ID MAX.U500i by loosening the two hex screws and swinging the device open.



**CAUTION!**

**For technical information, please refer to the detailed installation manual M81211-xe-ID-B.**

### STEP 3

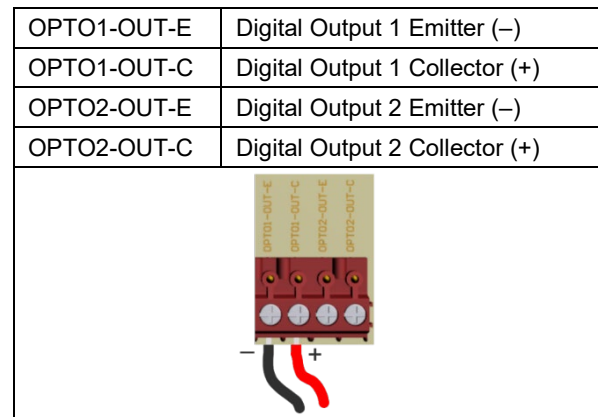
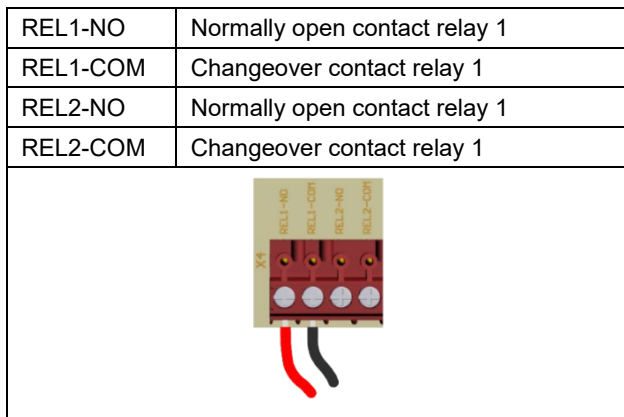
Establish the power supply either by connecting the ground cable to pin „GND“ at terminal X2 and the live cable to pin „12-24 V“

**OR**

by connecting a Power-over-Ethernet adaptor (PoE, according to IEEE 802.3at) to terminal X1.

**STEP 4**

To connect the external electronics, use the potential-free relay output or the potential-free digital output, which is galvanically isolated from the reader electronics.

**STEP 5**

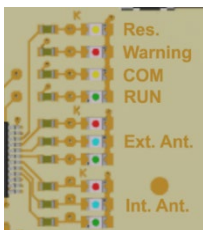
The installation is finished. Close the housing of the ID MAX.U500i and tighten the two hex screws. Skip this step if you want to use the Teach-In Mode.

**Teach-In Mode****STEP 1**

Open the ID MAX.U500i by loosening the two hex screws and swinging the device open.

**STEP 2**

Press button „T1“ twice quickly to switch to the reader's Teach-In Mode and add transponders for vehicle access control. The yellow status LED „Res.“ is now permanently lit.

**STEP 3**

Hold the transponder(s) to be read in front of the internal antenna (ANT1). The blue status LED of the internal antenna (ANT1) lights up to signal the reading of a transponder. The transponders are now temporarily stored in the reader.

**STEP 4**

Press button „T1“ again twice quickly to end the Teach-In Mode. The flashing of the yellow status LED „Res.“ signals the permanent storage of the transponders read in in the reader.

**① NOTE:**

- *In case of power down during activated Teach-In Mode all temporarily stored authorizations are lost and have to be read again.*
- *In case of power down during deactivation of the Teach-In Mode (after pressing the push button T1 twice within short time the second time) all authorizations stored in the reader may be lost. A stable power supply must be ensured!*
- *Please note that in some vehicles RFID transponders may already be installed by the manufacturer or other system provider. These transponders could also be detected by the reader in Teach-In Mode.*

**STEP 5**

Close the housing of the ID MAX.U500i and tighten the two hex screws.

**STEP 6**

If there is an authorized transponder in the antenna field, the traffic light LED lights up green and the relay or digital input is switched. If a transponder has no access authorization, the traffic light LED does not light up and the relay or digital input is not switched. With the "myAXXESS Manager" software, you can configure your own settings for the traffic light function.

For further information, please refer to the detailed installation manual M81211-xe-ID-B or the video tutorial. Both are available in the download area of FEIG.

You can use the FEIG software „myAXXESS Manager“to manage access authorizations. This and related information is available in the download area of FEIG (access data see page 1).

**Safety Instructions**

- ▶ The device may only be used for the intended purpose designed by the manufacturer.
- ▶ The manual must be read thoroughly and kept safe and accessible for all users.
- ▶ Unauthorized changes and the use of spare parts and additional devices, which have not been sold or recommended by the manufacturer, may cause fire, electric shocks or injuries. Such unauthorized measures shall exclude any liability by the manufacturer.
- ▶ The liability prescriptions by the manufacturer in the issue valid at the time of purchase are valid for the device. The manufacturer shall not be held legally responsible for inaccuracies, errors or omissions in the manual or automatically set parameters for a device or for an incorrect application of a device.
- ▶ Repairs may only be executed by the manufacturer.
- ▶ Installation, operation and maintenance procedures should only be carried out by qualified personnel.
- ▶ Use of the device and its installation must be in accordance with national legal requirements and local electrical codes.
- ▶ When working on devices the valid safety regulations must be observed.
- ▶ Special advice for carriers of cardiac pacemakers:  
Although this device doesn't exceed the valid limits for electromagnetic fields, you should keep a minimum distance of 25 cm between the device or the antenna and your cardiac pacemaker.