

INSTALLATION

ID LRMU4000 Module

UHF Long Range Reader
with four Antenna Outputs



NOTE

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Safety Instructions

- ▶ The device may only be used for the intended purpose designed by for the manufacturer.
- ▶ The operation manual should be conveniently kept available at all times for each user.
- ▶ 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 of 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 have to be carried out by professional and qualified personnel.
- ▶ Use of the device and its installation must be in accordance with national legal requirements and local electrical codes.
- ▶ The intended operation mode is fixed use.
- ▶ When working on devices the valid safety regulations must be observed.
- ▶ Before touching the device, the power supply must always be interrupted. Make sure that the device is without voltage by measuring. The fading of an operation control (LED) is no indicator for an interrupted power supply or the device being out of voltage!

NOTE:**Wearers of pacemakers**

Although this device does not exceed the permissible limits for electromagnetic fields, you should keep a minimum distance of 25 cm between the device and your pacemaker and not stay in the immediate vicinity of the device or the antenna for long periods of time.

History of documentation

| Revision | Date | Description |
|----------|---------------|---|
| 0e | Mai 2025 | Initial Version |
| 1e | June 2025 | 2 Cyber Security 5 Electrical connections Added Note: "Cable routing over PCB" |
| 2e | November 2025 | 5.7 Digital I/Os [X4] ; Resistor changed 8 Technical Data ; Temperature range extended 9 Accessories ; ID ANT.C05-MCX/SMA UHF Adapter Cable 0,5 m added |

Supported Documents

| No. | Supported documents | Doc.No. |
|-----|---|-----------------|
| [1] | Further documents on FEIG homepage https://www.feig.de/en/login/ | |
| [2] | Manual | M40720-xe-ID-B |
| [3] | Quick Start | M50624-xde-ID-B |

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1 Fields of application

With a reading range of over 10 m and 4 antenna connections, numerous long-range applications are possible in both, the industrial and logistics sectors.

- The high reception sensitivity ensures an extended and at the same time homogeneous tag detection range
- Support of transponders according to EPC Class1 Gen2 and ISO 18000-63

1.1 Device versions

| Feature | LRU4000 | LRU4000X | LRMU4000 |
|---|---|--|---|
| |  |  |  |
| Housing | ✓ | ✓ | |
| Output power EU Version: 2 W FCC Version: 1 W | ✓ | ✓ | ✓ |
| 4 x ANT OUT | ✓ | ✓ | ✓ |
| 2 x REL OUT | ✓ | ✓ | ✓ |
| 2 x Dig IN/OUT | ✓ | ✓ | ✓ |
| Circular connector | | ✓ | |
| Cable gland | ✓ | | |
| Terminal connector | | | ✓ |
| Ethernet / LAN, RS485, USB | ✓ | ✓ | ✓ |
| PoE (Power over Ethernet) | ✓ | ✓ | ✓ |
| LINUX Application Controller | ✓ | ✓ | ✓ |
| Web-Interface | ✓ | ✓ | ✓ |

Tab 1: Device versions

1.2 Scope of Delivery

| | |
|--|---|
|  A black identification module with a green PCB. The front panel has a white label with the following text: ID LRMU4000-EU, 721A.000.00, Model ID: 000177, Ver. 3.00, Log: 000177, FEIG, 10000000, 10000000, Made in Germany, CE, and a recycling symbol. | <ul style="list-style-type: none">• ID LRMU4000• 2x UHF-Transponder, 73mm x 12,5 mm  A small, rectangular, light-colored UHF transponder with a central chip and two sets of antenna coils on either side. |
|--|---|

Tab 2: Scope of Delivery

2 Cyber Security

2.1 Commissioning of the Device

IMPORTANT NOTICE

In order to comply with the requirements of the European Radio Equipment Directive (RED) 2014/53/EU article 3 (3), points (d), the following points must be taken into account for the product ID LRMU4000:

- When using the network interface (Ethernet), it may be necessary to create at least one user to enable various functions such as changing the configuration. The user and the password **MUST** be set by the person who puts the device into operation on first use before it is logically connected to a network or by an authorized entity within a network where access is limited to authorized entities.
- When security and/or network assets (keys, certificates, ethernet configuration parameters) are transferred via network interface (Ethernet) TLS encryption must be used to secure the communication.

2.2 Cyber Security related Firmware Updates

IMPORTANT NOTICE

In order to comply with the requirements of the European Radio Equipment Directive (RED) 2014/53/EU article 3 (3), points (d), you are required to register in the FEIG download area under <https://www.feig.de/en/> and subscribe to notifications for cyber security-related firmware and software updates for the product ID LRMU4000.

2.3 Firmware Downgrade

IMPORTANT NOTICE

A firmware downgrade to older major release versions is not possible in order to prevent old major versions with known cyber security vulnerabilities from being executed on the device.

3 Device description



Fig. 1: Top view

| | Description |
|-------------|------------------------------|
| ANT1 | Antenna 1 external |
| ANT2 | Antenna 2 external |
| ANT3 | Antenna 3 external |
| ANT4 | Antenna 4 external |
| X1 | Power Supply VCC |
| X2 | RS485 |
| X3 | Relay outputs |
| Fig. 3 | Ethernet Interface |
| X4 | Digital I/O |
| Fig. 2 | Service Interface OTG |
| T1 | Power On Reset |
| Status LEDs | Display of the device status |

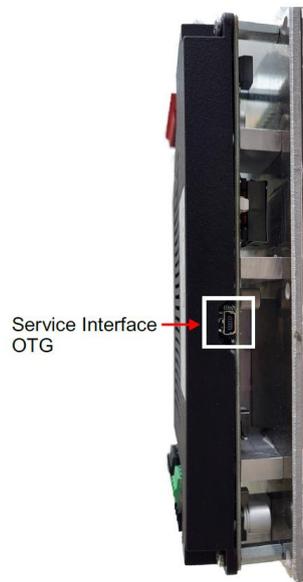


Fig. 2: Service interface OTG

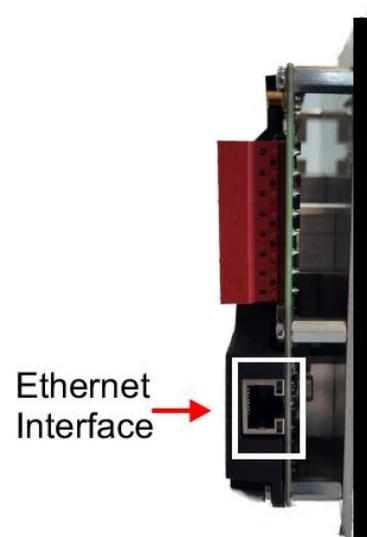


Fig. 3: Ethernet Interface

4 Installation

The reader module is designed for installation in devices or housings of machines or systems. For this purpose, the device is supplied on a base plate with corresponding holes for mounting (see below).

4.1 View and dimensions

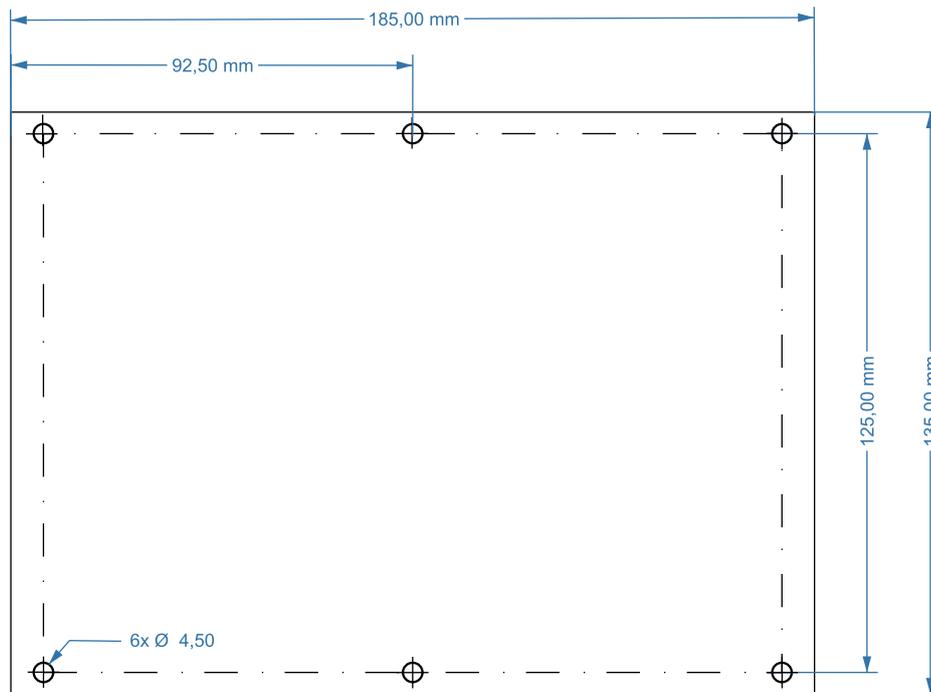


Fig. 4: Dimensioning of the base plate

5 Electrical connections

The LRMU4000 module variant has a network interface, an RS485 interface (X2) and a USB-OTG service interface (On The Go).

Four external antenna connections are available for transponder communication. Table 2 shows which connections can be used for the individual antennas and interfaces.

| | Description |
|-------------|------------------------------|
| ANT1 | Antenna 1 external |
| ANT2 | Antenna 2 external |
| ANT3 | Antenna 3 external |
| ANT4 | Antenna 4 external |
| X1 | Power Supply VCC |
| X2 | RS485 |
| X3 | Relay outputs |
| Fig. 3 | Ethernet Interface |
| X4 | Digital I/O |
| Fig. 2 | Service Interface OTG |
| T1 | Power On Reset |
| Status LEDs | Display of the device status |

Tab 3: Overview of the connections

NOTE:



Cables must not be routed over the area of the power supply unit marked in blue. This prevents unwanted coupling (see picture).

5.1 Antenna connection

Four antenna outputs (ANT1 to ANT4) are available.

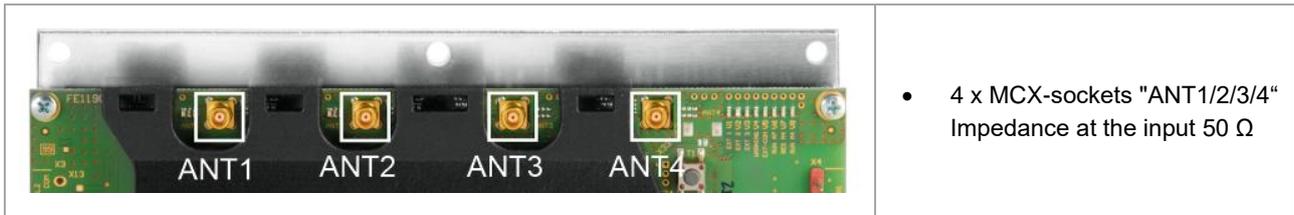


Fig. 5: MCX sockets for four antennas

NOTE:

- Standing wave ratio VSWR of the antenna ≤ 1.3
- When connecting the antenna, the limit values of the national regulations regarding radio equipment must be observed (see 7 Radio Approvals)

5.2 Description connectors

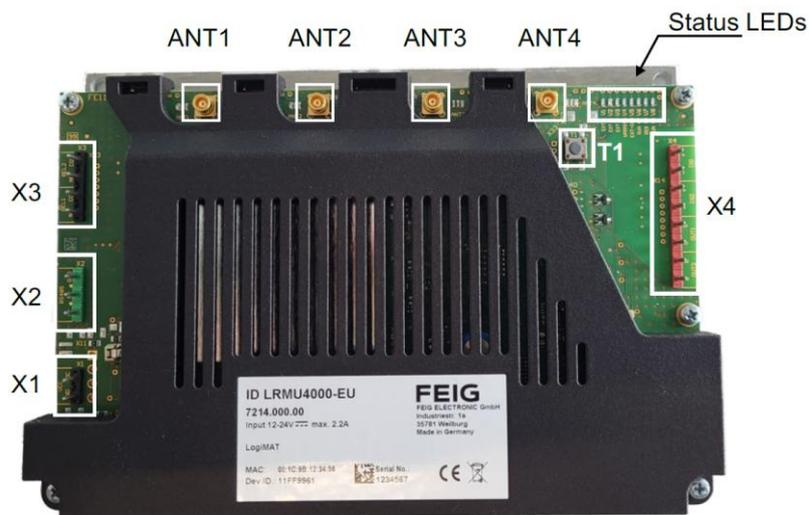


Fig. 6: Position of the terminals on PCB

5.3 Power Supply

5.3.1 External Power Supply unit [X1]

The device may only be supplied by a power source in accordance with EN 62368-1 Chapter Q.1 Power sources of limited power or with a power supply unit certified in accordance with NEC Class 2/LPS.

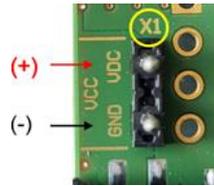


Fig. 7: Terminal assignment X1

Connection of the supply voltage to terminal X1

| Terminal | Abbreviation | Description |
|----------|--------------|-------------------------------|
| X1 (+) | VDC | (+) VDC (12-24V DC \pm 10%) |
| X1 (-) | GND | (-) GND |

Tab 4: Terminal description

| Cross-section cable | Test method |
|-------------------------------------|---------------------------------|
| from 0.5 mm ² or larger | IEC 60332-1-2 und IEC 60332-1-3 |
| less than 0.5 mm ² | IEC 60332-2-1 und IEC 60332-2-2 |
| Supply voltage 12-24 VDC \pm 10 % | |

Tab 5: Cross-section of the cable

NOTE:

- The reader may only be supplied by a power supply in accordance with EN 62368-1 Chapter Q.1 Limited Power Sources (LPS) or with a power supply unit certified to NEC Class 2/LPS.
- Each reader must always be supplied with power via its own external power supply unit.
- Reverse polarity can destroy the device.
- Simultaneous operation via an external power supply unit and PoE is not permitted.

5.3.2 Power supply via PoE (Power over Ethernet), RJ45 plug

When using the PoE functions, the reader is powered via the Ethernet interface and a "Power over Ethernet" power supply unit in accordance with IEEE802.3at*, Class 4 (30/25 watts).

The transmission parameters can be configured as required.

| Cable cross section(CAT5...7) | Max. Cable length for PoE |
|-------------------------------|---------------------------|
| 0,4 mm ² | ~ 30 m |
| 0,6 mm ² | ~ 70 m |

Tab 6: Maximum cable length depending on the cable cross-section

NOTE:

- A “Power over Ethernet” power supply unit with phantom power (Mode A) must be used.
- The phantom power (inline power) is connected to the RJ45 plug via PINs 1, 2, 3 and 6.
- Simultaneous operation via an external power supply unit and PoE is not permitted.
- If the reader is supplied via PoE, no DC voltage (e.g. for the external antenna multiplexer) can be applied to the antenna connections.
- Detailed technical information on the 802.3at standard can be found in the current version of the corresponding IEEE specification.

5.4 Ethernet Interface

The Ethernet interface has automatic crossover detection in accordance with the 1000BASE-T standard.

- At least STP CAT5 category cables must be used.
This guarantees problem-free operation at 10 Mbps or 100 Mbps.
- To use the TCP/IP protocol, the device uses DHCP by default. If no IP address is assigned to the device via DHCP, the device uses a factory set IP address (IPv4).

- **IPv4**

| Parameter | Value |
|----------------|---|
| Enable_DHCP | True (enabled) |
| IPAddress | 192.168.10.10 |
| Subnet-Mask | 255.255.255.0 |
| GatewayAddress | 10001 |
| Hostname | See "HostInterface.Hostname" in Manual H40720-xe-ID-B |

Tab 7: Default setting of the Ethernet interface IPv4

- The reader has an IPv6-capable Ethernet interface. IPv6 is switched off in the factory setting.

NOTE:

- The reader has a DHCP capable TCP/IP interface.
The DHCP function is activated in the factory setting.
- Recommended cable type: STP CAT5 (for operation at 10 Mbps or 100 Mbps).

5.5 RS485 Interface [X2]

The RS485 interface is connected via terminal X2.



Fig. 8: RS485 Interface pinning

Address settings RS485 (Periphery Device)

- The bus address is set via the software in the host.
The RS485 bus is also terminated via the software.
- Address range: 0-254

NOTE:

- Address 0 is set at the factory.
- The readers must be connected and configured one after the other.

5.6 Relay output [X3]

Two “NO contacts” (NO) are available as relay outputs. The outputs are galvanically isolated from the reader electronics and must therefore be supplied with an external voltage.

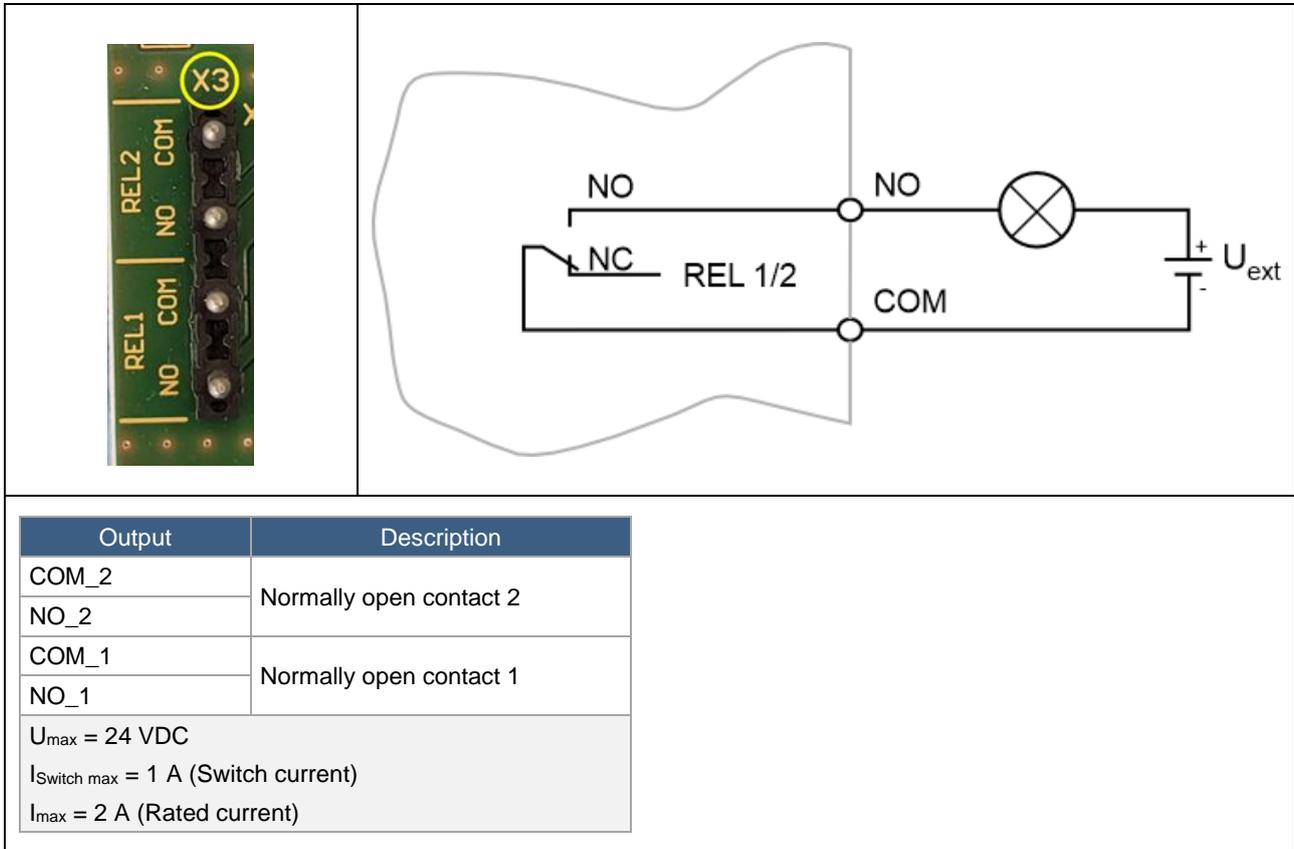


Fig. 9: Relay output at Terminator X3

NOTE:

- The relay output is only intended for switching inductive loads.
- If an inductive load is connected, the relay contacts must be protected by an external protective circuit.

5.7 Digital I/Os [X4]

The two digital inputs and the two digital outputs are connected to terminal X4.

They are electrically isolated from the reader electronics and must therefore be supplied with an external voltage (optocouplers).

All inputs/outputs can be configured individually.

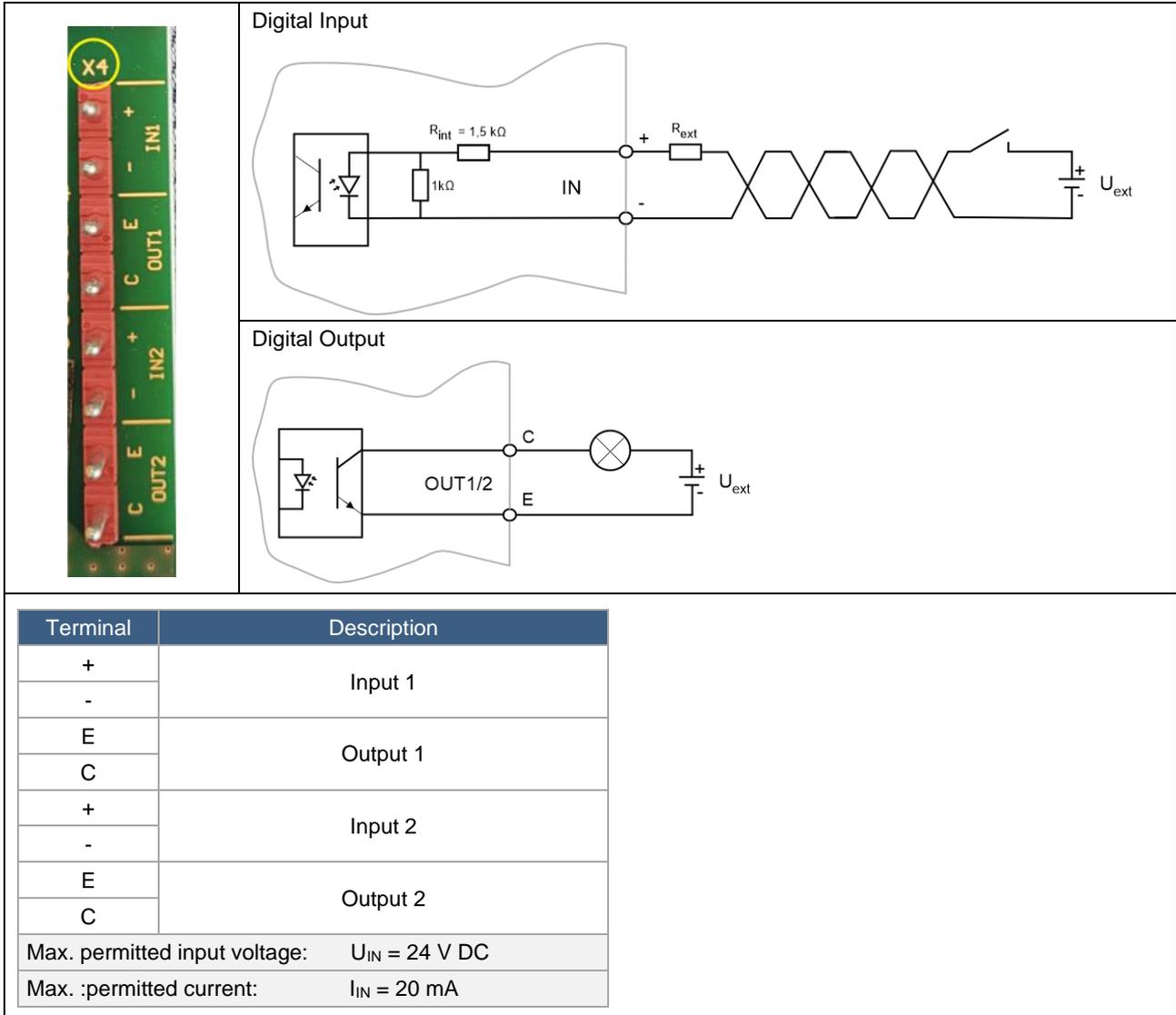


Fig. 10: Pinning X4

NOTE:

- Reverse polarity or overloading of the inputs/outputs must be avoided (risk of destruction)
- The inputs/outputs are only intended for switching resistive loads.

5.8 USB-OTG Service Interface [X6]

The reader has a USB-OTG interface to connect the reader to a host system. The connection is made via a shielded standard USB cable.

The data rate of the reader is limited to 12 Mbit (USB Full Speed).

- Remove the dummy plug (slotted screwdriver / torque value 4 Nm) and plug in the USB cable.
- The dummy plug can be permanently replaced with an M20 cable gland (included in the scope of delivery / torque value 1,1 Nm).

X6

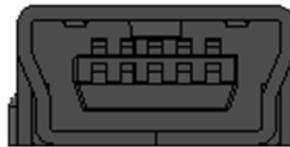


Fig. 11: USB-OTG Service Interface for host communication

NOTE:

Length of the USB cable \leq 5 m

6 Status- and Operation Elements

NOTE:

The LED color of the green and blue LEDs can be configured according to the device status.

| Status-LEDs | Colors | Description |
|--|---|--|
| | LED Rot (Ext 3) | 1. Warning permanent lit 2. Boot process active irregular flashing duration approx. 40 s |
| | LED Grün (default) (Ext 1) | RUN In the default setting (green LED), the idle state of the reader is displayed. The device is switched on and no transponders are being read |
| | LED Blau (default) (Ext 2) | Transponder communication In the default setting (blue LED) the LED flashes each time a transponder is read. If several transponders are read in succession, the LED lights up continuously |
| „Find Reader Mode“ | | |
| LED grün / blau blinken abwechselnd: Der Leser befindet sich im „Find Reader Mode“ | | Exit "Find Reader Mode": Press button T1 for 1 second |
| „Power On Reset“ | | |
| | „Power On Reset“: <ul style="list-style-type: none"> Button T1 must be pressed for 5 seconds. This does not change the configuration of the reader. | |
| Antennas LEDs internal | | |
| ANT1 | ANT2 | ANT3 |
| ANT4 | <ul style="list-style-type: none"> LED Grün: "RF ON" LED Blau: Transponder Kommunikation LED Rot: Error | |

Tab 8: Status and Operation Elements

7 Radio Approvals

7.1 Declaration of Conformity

| | |
|---|--|
|  | <p><u>Declaration of conformity</u></p> <p>Hereby, FEIG ELECTRONIC GmbH declares that the radio equipment type ID LRU4000 is in compliance with Directive 2014/53/EU.</p> <p>The full text of the EU Declaration of Conformity is available at the following internet address:</p> <p>https://www.feig.de/wp-content/uploads/ID_LRU4000_Declaration_of_Conformity_RED.pdf</p> |
|---|--|

7.2 USA (FCC) and Canada (IC)

| | |
|---|---|
| Product name: | ID LRMU4000 |
| FCC ID: | PJMLRMU4000 |
| IC: | 6633A-LRMU4000 |
| Notice for USA and Canada | <p>This device complies with Part 15 of the FCC Rules and with RSS-210 of Industry Canada.</p> <p>Operation is subject to the following two conditions.</p> <p>(1) this device may not cause harmful interference, and</p> <p>(2) this device must accept any interference received, including interference that may cause undesired operation.</p> <p>Unauthorized modifications may void the authority granted under Federal communications Commission Rules permitting the operation of this device.</p> <p>This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.</p> <p>Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :</p> <p>(1) l'appareil ne doit pas produire de brouillage, et</p> <p>(2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.</p> |
| Radiofrequency radiation exposure Information: | <p>This equipment complies with FCC and IC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance of 20 cm between the radiator and your body.</p> <p>This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.</p> |

| | |
|--|---|
| | <p>Cet équipement est conforme aux limites d'exposition aux rayonnements IC établies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé avec un minimum de</p> <p>20 cm de distance entre la source de rayonnement et votre corps. Ce transmetteur ne doit pas être placé au même endroit ou utilisé simultanément avec un autre transmetteur ou antenne.</p> |
|--|---|

NOTE:

Changes or modification made to this equipment not expressly approved by FEIG ELECTRONIC GmbH may void the FCC authorization to operate this equipment.

7.2.1 Label Information

The following information must be placed at the outer side of the housing in which the reader is mounted.

| |
|--|
| Contains FCC ID PJMLRMU4000 Contains IC: 6633A-LRMU4000 |
|--|

7.2.2 Installation with FCC / IC Approval

NOTE:

To comply with FCC Part 15 Rules in the United States / with IC Radio Standards in Canada, the system must be professionally installed to ensure compliance with the Part 15 certification / IC certification. It is the responsibility of the operator and professional installer to ensure that only certified systems are deployed in the United States / Canada.

8 Technical Data

| Mechanical data | |
|---|--|
| Dimension (w x h x d) | Approx. 185 mm x 135 mm x 35 mm |
| Weight | Approx. 535 g |
| Electrical data | |
| Power supply | 12 V – 24 V DC \pm 10 %, Power-over Ethernet (PoE+) |
| Power consumption | max. 18 W (Specification without external antenna multiplexer) |
| Output Power EU Version: FCC Version: | 100 mW to max. 2 W, configurable in steps of 100 mW 100 mW to max. 1 W, configurable in steps of 100 mW |
| Antenna Connector | 4 x MCX-Jack (50 Ohm), integrated Multiplexer, support of external Multiplexer ID ANT.UMUX |
| RF-Diagnosis | RF-channel monitoring, Antenna SWR control, internal overheating control |
| Outputs 2 Optocouplers 2 Relays | max. 24 V DC / 20 mA 2 Relays max. 24 V DC / 1 A switching current, 2 A permanent current |
| Inputs 2 Optocouplers | max. 24 V DC / 20 mA |
| Interfaces | <ul style="list-style-type: none"> • RS485 • Ethernet (IPv4/IPv6) • USB (On-the-Go) |
| Computing Plattform (Linux OS V 5.15) | ARM single Cortex-A7 800 MHz + Cortex-M4 (RFID), 1 GB Flash, 512 MB RAM |
| Reader Modes | <ul style="list-style-type: none"> • Host Mode • Buffered Read Mode • Notification Mode |
| Supported Transponder | <ul style="list-style-type: none"> • EPC Class1 Gen2 • ISO 18000-63 • ISO/IEC 29167 |
| Indicator | Status display: Adapt to the LEDs of the module (Various status LEDs and antenna LEDs) |
| Environmental conditions | |
| Temperature range Operation | <ul style="list-style-type: none"> • -40 °C to +55 °C |
| Extended temperatur range for opration* | <ul style="list-style-type: none"> • -40 °C to +65 °C |
| Temperature range Storage | <ul style="list-style-type: none"> • -40 °C to +85 °C |
| Relative Air Humidity | 5 % up to 95 % (non-condensing) |
| Vibration | EN 60068-2-6 10 Hz to 150 Hz 0,075 mm / 1 g |

| Radio approvals | |
|--|--|
| EU | 865 MHz – 868 MHz |
| FCC | 902 MHz – 928 MHz |
| Europe UK USA Canada | <ul style="list-style-type: none"> • EN 302 208 • EN 302 208 • FCC 47 CFR Part 15 • IC RSS-247 |
| EMV | EN 301 489 |
| Safety Electrical safety Human Exposure | <ul style="list-style-type: none"> • EN 62368-1 • EN 50364 |
| Cyber Security | EN 18031-1 |
| * Transmission power max. 1.0 W; PoE supply not permitted | |

Tab 9: Technical data

9 Accessories

| Order No. | Article | Description |
|------------------------------------|--|--|
| UHF Antennas | | |
| EU: 5238.000.00 | ID ANT.U580/290 | Robust UHF antenna for connection to stationary UHF readers |
| FCC: 5238.000.10 | UHF wide-range antenna 30 ° circular | Optimized beam angle, increased antenna gain Connection: TNC socket |
| EU: 5236.000.00 | ID ANT.U290/290 | Robust UHF antenna for connection to stationary UHF readers |
| FCC: 5236.000.10 | UHF wide-range antenna 65 ° circular | Connection: TNC socket |
| EU: 3199.000.00 | ID ISC.ANT.U270/270 | Powerful UHF Antenna with 3dB beamwidth of 65 ° x 65 ° |
| FCC: 3686.000.00 | UHF Antenna | |
| EU: 6602.000.00 | ID ANT.U150/150 | Compact, robust UHF Antenna with SMA Connector, 3dB beamwidth 105 ° x 105 ° |
| FCC: 6602.000.10 | UHF Antenna | |
| EU: 6603.000.00 | ID ISC.ANT.U280/210 | Very flat UHF Antenna with SMA Connector via 30 cm coaxial cable, 3dB beamwidth 60 ° x 80 ° |
| FCC: 6603.000.00 | UHF Antenna | |
| 6601.000.00 | ID ANT.U82/82 UHF Antenna | Small, very compact UHF Antenna with SMA Connector Frequency Range: 864 - 929 MHz (ETSI & FCC) |
| LOCFIELD® UHF Antennas | | |
| EU: 6236.000.00 | ID ANT.U LOCFIELD® | LOCFIELD® UHF Antenna; active length: 0.37 m; total length: 0.80 m; cable diameter: 2.8 mm |
| FCC: 6236.000.10 | Typ: 037-080-28 | |
| EU: 6236.001.00 | ID ANT.U LOCFIELD® | LOCFIELD® UHF Antenna; active length: 1.0 m; total length: 2.0 m; cable diameter: 2.8 mm |
| FCC: 6236.001.10 | Typ: 100-150-28 | |
| EU: 6236.002.00 | ID ANT.U LOCFIELD® | LOCFIELD® UHF Antenna; active length: 2.0 m; total length: 2.5 m; cable diameter: 2.8 mm |
| FCC: 6236.002.10 | Typ: 200-250-28 | |
| EU: 6236.003.00 | ID ANT.U LOCFIELD® | LOCFIELD® UHF Antenna; active length: 2.0 m; total length: 3.0 m; cable diameter: 5.0 mm |
| FCC: 6236.003.10 | Typ: 200-300-50 | |
| UHF Antenna cable (coaxial) | | |
| 7029.001.00 | ID ANT.C2-D UHF-Antenna Cable R-TNC/SMA 2 m | H155 Coaxial cable for UHF-antennas with SMA socket and UHF-Reader with R-TNC Connector Connection type: R-TNC female / SMA male Length: 2 m |
| 7029.002.00 | ID ANT.C2-D UHF-Antenna Cable R-TNC/SMA 6 m | H155 Coaxial cable for UHF-antennas with SMA socket and UHF-Reader with R-TNC Connector Connection type: R-TNC female / SMA male Length: 6 m |
| 5243.001.00 | ID ANT.C2-C UHF Antenna Cable R-TNC/TNC 2 m | H155 Coaxial cable for UHF antennas with TNC socket and UHF reader with R-TNC connector Connection type: Connector R-TNC / Connector TNC Length: 2 m |
| 5243.002.00 | ID ANT.C6-C UHF Antenna Cable R-TNC/TNC 6 m | H155 Coaxial cable for UHF antennas with TNC socket and UHF reader with R-TNC connector Connection type: Connector R-TNC / Connector TNC Length: 6 m |

| UHF Antenna cable (coaxial) | | |
|-----------------------------|---|---|
| 5335.000.00 | ID ANT.C6-x UHF Antenna Extension Cable TNC/TNC 6 m | H155 Coaxial Extension Cable for UHF antennas with TNC socket Connection Type: TNC female / TNC male Length: ca. 6 m |
| 1654.002.00 | ID ISC.ANT.C2-A UHF Antenna Cable 2m | H155 Coaxial Cable for UHF Reader, Connection Plug SMA - male/male, Length: approx. 2 m |
| 1654.003.00 | ID ISC.ANT.C6-A UHF Antenna Cable 6m | H155 Coaxial Cable for UHF Reader, Connection Plug SMA - male/male, Length: approx. 6 m |
| 7419.000.00 | ID ANT.C05-MCX/SMA UHF Adapter Cable 0,5 m | Antenna cable with MCX plug (male) and SMA plug (male) Length: 0,5 m; suitable for LRMU4000 and MRMU400 |
| Mounting Kits | | |
| 5255.000.00 | ID MS.VESA100-A Mounting Set | Mast and wall mounting set with VESA100 receptacle for pipe diameters of 1" - 3" (approx. 2.5 cm to 7.6 cm) |
| 3309.000.00 | ID ISC.ANT.U270/270-MS Mounting Kit | Mast and wall mounting set for antenna ID ISC.ANT.U270/270, cylindrical profile bis 60 mm |
| 6832.000.00 | ID ANT.U150/150 Antenna connection shield | Antenna connection shield for ID ANT.U150/150 Material: 1.4301 (V2A) |
| Power Supply and Cable | | |
| 2557.000.00 | ID NET.24V-B Power Supply Unit | Power Supply Unit for ID ISC.LR/LRM2500/1002, ID ISC.LRU/LRU3x00/1002. Versatile outlets available (EU, GB, US - not included). |
| 2558.000.00 | ID CAB.NET.24V-B-EU Cable with European Plug | Cable with Continental European Plug for Power Supply Unit ID NET.24V-B |
| 2559.000.00 | ID CAB.NET.24V-B-GB Cable with GB/UK Plug | Cable with GB Plug for Power Supply Unit ID NET.24V-B |
| 2560.000.00 | ID CAB.NET.24V-B-US Cable with US Plug | Cable with US Plug for Power Supply Unit ID NET.24V-B |

Tab 10: Accessories

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|--------------------------|--------------------------|
| Document: | Installation ID LRMU4000 |
| Id-No. Document Version: | M50520-2e-ID-B |
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