

# RFID read/write device

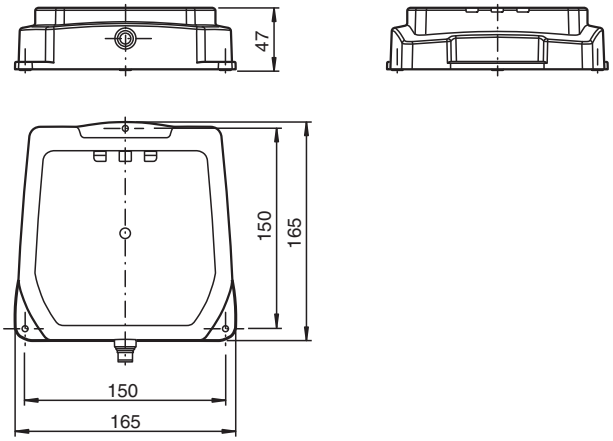
## IUT-F191-IO-V1-FR2-10

- Typical range of 1 m
- Multi-tag reading capability for up to 20 tags
- Compliant with EPC Class 1 Gen 2 and ISO/IEC 18000-63
- LED function indicator
- Degree of protection IP67
- IO-Link interface

UHF RFID read/write device with IO-Link interface

IO-Link

## Dimensions




## Technical Data

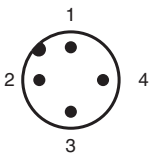
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|---|---|---|
| **General specifications** | | |
| Operating frequency | | 920 MHz … 926 MHz: Australia<br>Transmission licenses for other countries on request |
| Emitted power | | 3 … 150 mW EIRP adjustable |
| Operating distance | | typ. 1 m |
| Note | | The achievable read and write distances depend on various factors. These include, in particular, the tag used, the configured transmit power, the installation conditions, and the ambient conditions, especially metallic materials in the surrounding area. The actual achievable read and write distances should therefore be verified under the respective operating conditions. |
| MTBF | | 127 a (Operation at +40 °C) |
| **Indicators/operating means** | | |
| LED green/red | | Solid green: power on<br>green flashing with short interruption (1 Hz): IO-Link mode |
| LED yellow | | Read/write operation successful |
| LED blue | | Transmission mode |
| **Electrical specifications** | | |
| Operating voltage | $U_B$ | 18 ... 30 V DC (IO-Link) |
| Current consumption | | ≤ 90 mA ( at 24 V DC ) |
| **Interface** | | |

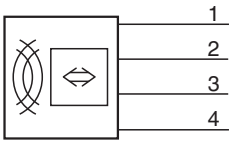
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## Technical Data

| | | |
|---|---|---|
| Interface type | | IO-Link |
| IO-Link revision | | 1.1 |
| Device profile | | Identification and Diagnosis - I&D |
| Process data | | Input 32 Byte<br>Output 32 Byte |
| Vendor ID | | 1 (0x0001) |
| Device ID | | 4194832 (0x400210) |
| Transfer rate | | COM3 (230.4 kbits/s) |
| Min. cycle time | | 4 ms |
| SIO mode support | | no |
| Compatible master port type | | Class A<br>Class B |
| **Standard conformity** | | |
| Degree of protection | | EN 60529 |
| Communication interface | | IEC 61131-9 / IO-Link V1.1.5 |
| RFID | | ISO/IEC 18000-63 |
| **Ambient conditions** | | |
| Ambient temperature | | -25 ... 70 °C (-13 ... 158 °F) (Operation with nontransmission periods)<br>-25 ... 60 °C (-13 ... 140 °F) (Continuous transmission mode) |
| Storage temperature | | -40 ... 85 °C (-40 ... 185 °F) |
| **Mechanical specifications** | | |
| Degree of protection | | IP67 |
| Connection | | connector M12 x 1 |
| Material | | |
| Housing | | PA 6.6 |
| Base | | Aluminum |
| Mass | | 700 g |
| Dimensions | | |
| Height | | 47 mm |
| Width | | 165 mm |
| Length | | 165 mm |

## Connection Assignment




L+
n.c.
L-
C/Q

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