

# Industrial RFID Reader

with IO-Link

## R1QA001

weproTec



- 360° visible switching status display
- Data can be read, compared and written
- Frequency band 13.56 MHz
- Ready for Industry 4.0 with IO-Link 1.1
- Resistant to high temperature

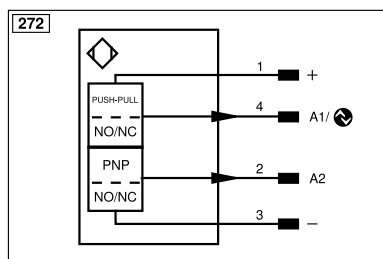
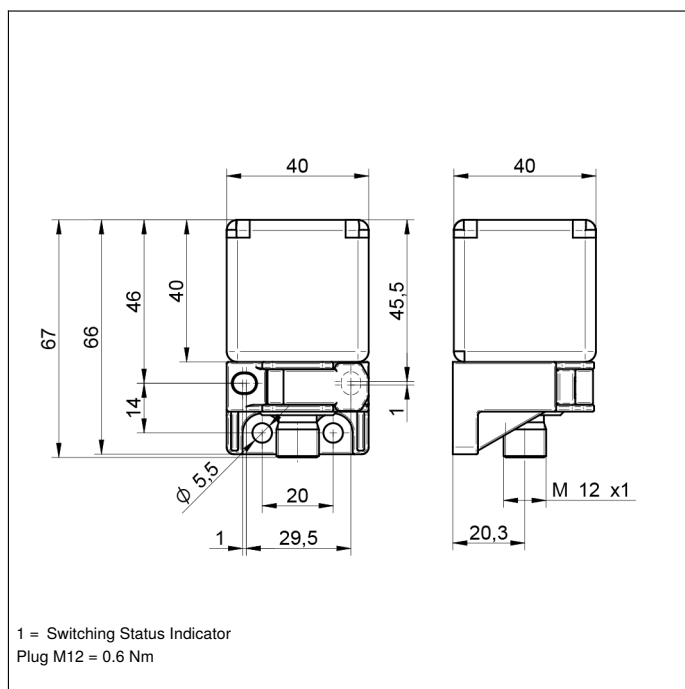
Thanks to RFID technology, these RFID readers enable fast and seamless data exchange with RFID transponders. The IO-Link interface makes it easy to change parameters and transfer process data efficiently. With a frequency band of 13.56 MHz, RFID readers offer a reliable identification solution for close-range applications.

| RFID data                                |                |
|--|----------------|
| Working Range                            | 0...78 mm*     |
| Frequency band                           | 13,56 MHz      |
| Mounting                                 | Non-flush      |
| Mounting A/B/C/D in mm                   | 40/80/120/10   |
| RFID standard                            | ISO/IEC 15693  |
| Electrical Data                          |                |
| Supply Voltage with IO-Link              | 18...32 V DC   |
| Supply Voltage                           | 11...32 V DC   |
| Temperature Range                        | -25...80 °C    |
| Storage temperature                      | -25...80 °C    |
| Number of Switching Outputs              | 2              |
| Switching Output/Switching Current       | 200 mA         |
| Short Circuit Protection                 | yes            |
| Reverse Polarity and Overload Protection | yes            |
| Interface                                | IO-Link V1.1   |
| IO-Link Version                          | 1.1            |
| Protection Class                         | III            |
| Mechanical Data                          |                |
| Housing Material                         | Plastic, PBT   |
| Sensing face                             | Plastic, PBT   |
| Degree of Protection                     | IP68/IP69K     |
| Connection                               | M12 × 1; 4-pin |
| Safety-relevant Data                     |                |
| MTTFd (EN ISO 13849-1)                   | 644 a          |
| Function                                 |                |
| Error Indicator                          | yes            |
| IO-Link                                  | ●              |
| PNP NO                                   | ●              |
| Connection Diagram No.                   | 272            |
| Suitable Connection Equipment No.        | 2              |

\* The specified working range relates to a transponder with Ø 50 mm and RSSI ≥ 0. Depending on the transponder, the resulting working range may vary.

### Complementary Products

IO-Link Master  
Software



## Mounting

