

## Technical data sheet RFID read/write device

Part no.: 50150661

RDH 202 00

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For illustration purposes only



## Technical data

### Basic data

|                   |           |
|-------------------|-----------|
| Series            | RDH 200   |
| Working frequency | 13.56 MHz |

### Functions

|           |                              |
|-----------|------------------------------|
| Functions | Configurable operating modes |
|           | I/O                          |
|           | LED indicator                |
|           | Reading gate control         |

### Read data

|                             |                |
|-----------------------------|----------------|
| Reading/writing range, max. | 120 mm         |
| Transponder, readable       | ISO/IEC 14443A |
|                             | ISO/IEC 15693  |
|                             | NFC Types 2, 5 |

### Electrical data

#### Performance data

|                         |                 |
|-------------------------|-----------------|
| Supply voltage $U_B$    | 18 ... 36 V, DC |
| Power consumption, max. | 2 W             |
| Memory access           | Read/Write      |

#### Inputs

|                                    |            |
|------------------------------------|------------|
| Number of digital switching inputs | 1 Piece(s) |
|------------------------------------|------------|

#### Outputs

|                                     |            |
|-------------------------------------|------------|
| Number of digital switching outputs | 1 Piece(s) |
|-------------------------------------|------------|

### Connection

|                       |            |
|-----------------------|------------|
| Number of connections | 1 Piece(s) |
| <b>Connection 1</b>   |            |
| Function              | I/O        |
|                       | PWR        |
|                       | RS 232     |
| Type of connection    | Connector  |
| Thread size           | M12        |

### Mechanical data

|                       |                       |
|-----------------------|-----------------------|
| Design                | Cubic                 |
| Dimension (W x H x L) | 99 mm x 42 mm x 68 mm |
| Housing material      | Plastic               |
| Net weight            | 120 g                 |
| Housing color         | Red                   |
|                       | Silver                |
| Type of fastening     | Through-hole mounting |

### Environmental data

|                                    |               |
|------------------------------------|---------------|
| Ambient temperature, operation     | -32 ... 60 °C |
| Ambient temperature, storage       | -40 ... 85 °C |
| Relative humidity (non-condensing) | 0 ... 90 %    |

### Certifications

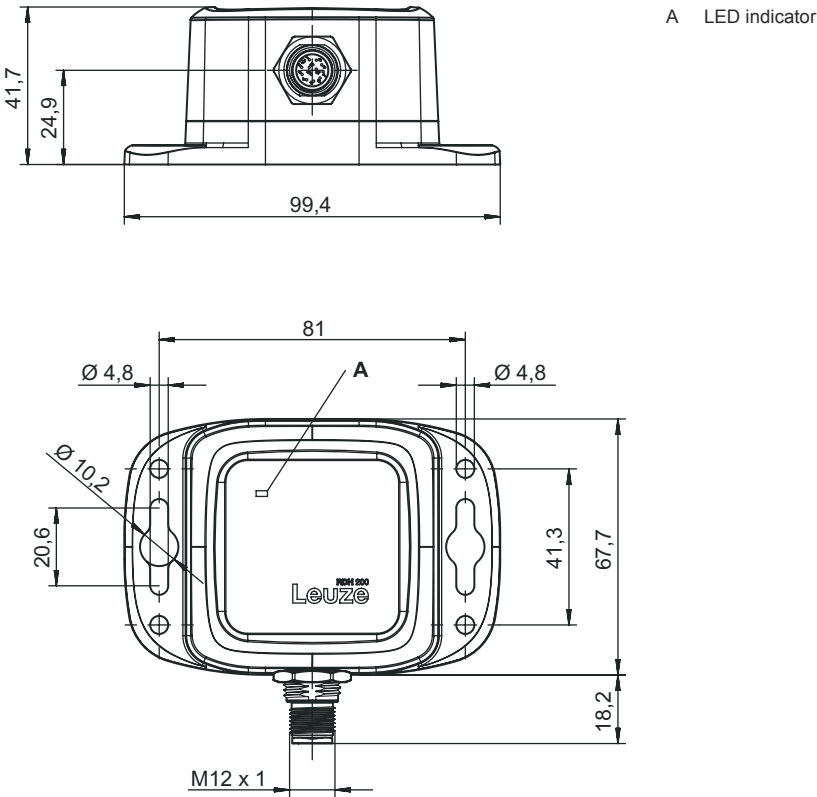
|                      |       |
|----------------------|-------|
| Degree of protection | IP 67 |
| Approvals            | EU    |

### Classification

|                       |          |
|-----------------------|----------|
| Customs tariff number | 84719000 |
| ECLASS 5.1.4          | 27280401 |
| ECLASS 8.0            | 27280401 |
| ECLASS 9.0            | 27280401 |
| ECLASS 10.0           | 27280401 |
| ECLASS 11.0           | 27280401 |
| ECLASS 12.0           | 27280401 |
| ECLASS 13.0           | 27280401 |
| ECLASS 14.0           | 27280401 |
| ECLASS 15.0           | 27280401 |
| ETIM 5.0              | EC001825 |
| ETIM 6.0              | EC002998 |
| ETIM 7.0              | EC002998 |
| ETIM 8.0              | EC002998 |
| ETIM 9.0              | EC002998 |
| ETIM 10.0             | EC002998 |

Dimensioned drawings

All dimensions in millimeters



Electrical connection

Connection 1

|                    |           |
|--------------------|-----------|
| Function           | I/O       |
|                    | PWR       |
|                    | RS 232    |
| Type of connection | Connector |
| Thread size        | M12       |
| Type               | Male      |
| Material           | Metal     |
| No. of pins        | 12 -pin   |
| Encoding           | A-coded   |

Operation and display

| LED | Display                  | Meaning               |
|-----|--------------------------|-----------------------|
| 1   | Red, continuous light    | Operational readiness |
|     | Green, continuous light  |                       |
|     | Yellow, flashing, 4 Hz   |                       |
|     | Yellow, continuous light |                       |
|     | Off                      |                       |

Notes

|                                                                                                                |                                                                                                                                                                                                                                                             |
|----------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <b>Observe intended use!</b> |                                                                                                                                                                                                                                                             |
|                                | <div><div>⚠ This product is not a safety sensor and is not intended as personnel protection.</div><div>⚠ The product may only be put into operation by competent persons.</div><div>⚠ Only use the product in accordance with its intended use.</div></div> |

Further information

- Under certain circumstances, metal in the reading field reduces the operating range considerably.