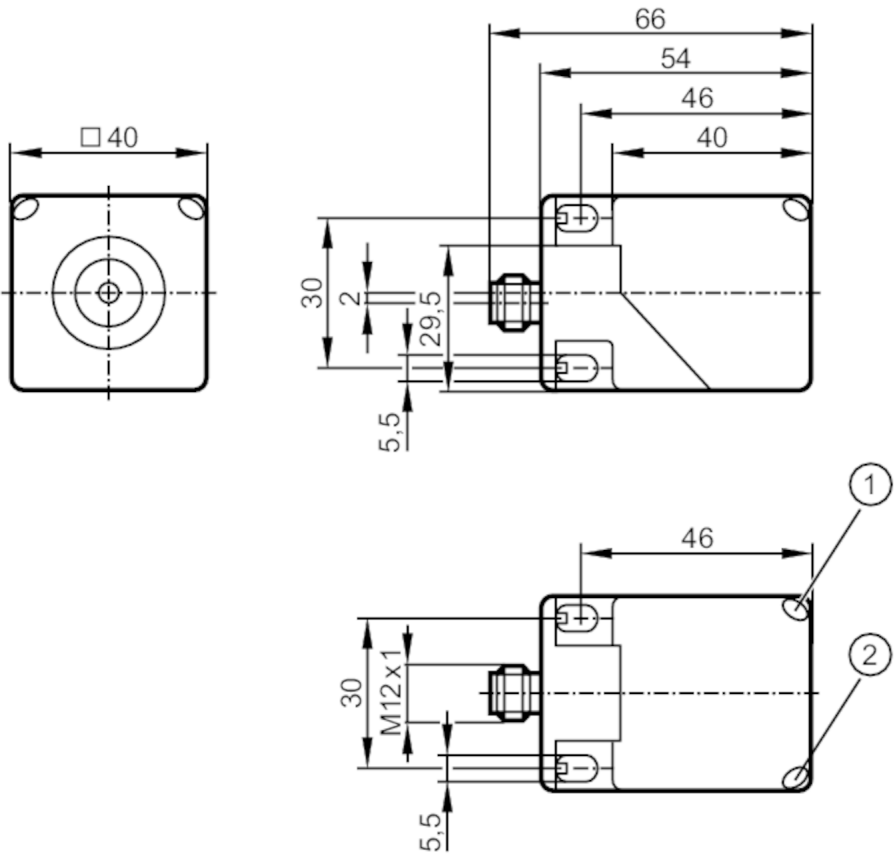


DTI513



RFID read/write head HF

DTRHF MCRWIOUS03



- 1 LED yellow
- 2 LED green



| Application             |  |                                                                                                                                     |                                        |   |      |
|-------------------------|--|-------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|---|------|
| Application             |  | detection of objects on transport equipment                                                                                         |                                        |   |      |
| Radio approval for      |  | USA; Canada; EU/RED; Australia; Japan; China; Taiwan; India; Singapore; Malaysia; Brazil; Mexico; New Zealand; South Korea; В'єтнам |                                        |   |      |
| Note on radio approval  |  | The list of countries applying the European Radio Equipment Directive 2014/53/EU (RED) can be found under “Downloads”.              |                                        |   |      |
| Electrical data         |  |                                                                                                                                     |                                        |   |      |
| Operating voltage       |  | [V]                                                                                                                                 | 19.2...28.8 DC                         |   |      |
| Current consumption     |  | [mA]                                                                                                                                | < 50                                   |   |      |
| Protection class        |  |                                                                                                                                     | III                                    |   |      |
| Operating frequency     |  | [MHz]                                                                                                                               | 13,56                                  |   |      |
| RFID standard           |  |                                                                                                                                     | ISO 15693                              |   |      |
| Detection zone          |  |                                                                                                                                     |                                        |   |      |
| Distance to the ID tag  |  | [mm]                                                                                                                                | read                                   | : | ≤ 60 |
|                         |  |                                                                                                                                     | static                                 |   |      |
|                         |  |                                                                                                                                     | referred to 30 mm coin tag; I-CODE SLI |   |      |
| Interfaces              |  |                                                                                                                                     |                                        |   |      |
| Communication interface |  |                                                                                                                                     | IO-Link                                |   |      |



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|                           |                                     |          |
|---------------------------|-------------------------------------|----------|
| Transmission type         | COM2 (38,4 kBaud)                   |          |
| IO-Link revision          | 1.1                                 |          |
| SDCI standard             | IEC 61131-9                         |          |
| Profiles                  | Smart Sensor: Device Identification |          |
| SIO mode                  | no                                  |          |
| Required master port type | A                                   |          |
| Supported DeviceIDs       | Type of operation                   | DeviceID |
|                           | default                             | 967      |

Operating conditions

|                     |               |          |
|---------------------|---------------|----------|
| Ambient temperature | [°C]          | -20...60 |
| Storage temperature | [°C]          | -25...80 |
| Protection          | IP 67; IP 69K |          |

Tests / approvals

|                      |                |                             |
|----------------------|----------------|-----------------------------|
| Shock resistance     | EN 60068-2-27  | 40 g 6 ms / repetitive      |
|                      | EN 60068-2-27  | 50 g 11 ms / not repetitive |
| Vibration resistance | EN 60068-2-6   | 20 g 10...2000 Hz           |
| MTTF                 | [ANN]          | 567                         |
| UL approval          | Ta             | -20...60 °C                 |
|                      | Enclosure type | Type 1                      |
|                      | подача напруги | Limited Voltage/Current     |
|                      | File number UL | E205959                     |

Mechanical data

|            |                                           |              |
|------------|-------------------------------------------|--------------|
| Weight     | [g]                                       | 192          |
| Housing    | rectangular                               |              |
| Mounting   | flush mountable                           |              |
| Dimensions | [mm]                                      | 40 x 40 x 54 |
| Materials  | housing: PA; metal parts: stainless steel |              |

Displays / operating elements

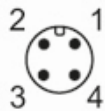
|         |                   |                 |
|---------|-------------------|-----------------|
| Display | operation         | 1 x LED, green  |
|         | tag communication | 1 x LED, yellow |

Remarks

|               |        |
|---------------|--------|
| Pack quantity | 1 pcs. |
|---------------|--------|

Electrical connection

Connector: 1 x M12; coding: A





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### Connection

