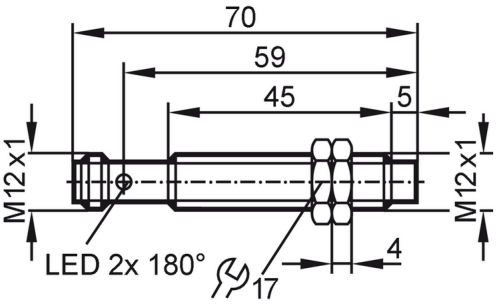
# DTI411

## RFID read/write head HF

DTRHF FNRWIOUS03




| | | | |
|---|---|---|---|
| **Application** | | | |
| Application | | detection of objects on transport equipment | |
| Radio approval for | | USA; Canada; EU/RED; Australia; Japan; China; Taiwan; India; Singapore; South Korea | |
| 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 write/read head front | [mm] | 90 | |
| Distance write/read head side | [mm] | 25 | |
| Distance to the ID tag | [mm] | referred to 20 mm coin tag; I-CODE SLI | : ≤ 18 |
| **Interfaces** | | | |
| Communication interface | | IO-Link | |
| Transmission type | | COM2 (38,4 kBaud) | |
| IO-Link revision | | 1.1 | |
| SDCI standard | | IEC 61131-9 | |
| Profiles | | Smart Sensor - SSP 0 | Generic Profiled Sensor |
| | | Function | Device identification |
| SIO mode | | no | |
| Required master port type | | A | |
| Min. process cycle time | [ms] | 22 | |
| 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 | |

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| | | | |
|---|---|---|---|
| **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 | [years] | 614 | |
| UL approval | | Ta | -20...60 °C |
| | | Enclosure type | Type 1 |
| | | voltage supply | Limited Voltage/Current |
| | | File number UL | E205959 |
| **Mechanical data** | | | |
| Weight | [g] | 111.5 | |
| Housing | | threaded type | |
| Mounting | | non-flush mountable | |
| Dimensions | [mm] | M12 x 1 / L = 70 | |
| Thread designation | | M12 x 1 | |
| Materials | | housing: stainless steel; Protective cover: PPS | |
| **Displays / operating elements** | | | |
| Display | | operation | 1 x LED, green |
| | | tag communication | 1 x LED, yellow |
| **Accessories** | | | |
| Items supplied | | lock nuts: 2 x M12 | |
| **Remarks** | | | |
| Pack quantity | | 1 pcs. | |

**Electrical connection**

Connector: 1 x M12; coding: A; Contacts: 4




Connection

