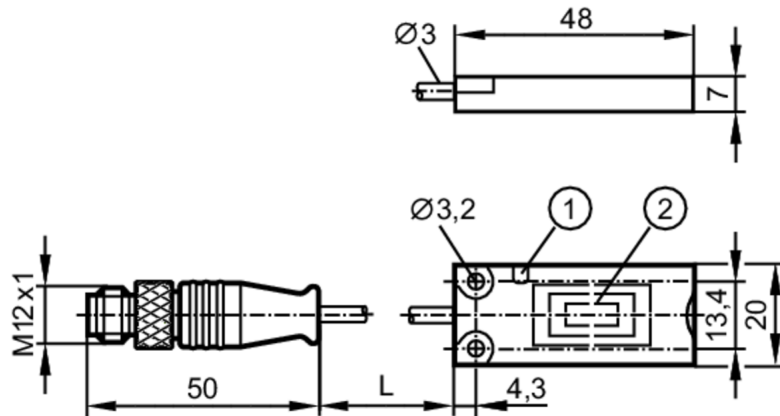




## RFID read/write head HF

DTRHF KQRWIOUS03



- 1 LED  
2 sensing face



## Application

|                        |                                                                                                                        |
|------------------------|------------------------------------------------------------------------------------------------------------------------|
| Application            | Detection of objects on transport equipment                                                                            |
| Radio approval for     | USA; Canada; EU/RED; Australia; Japan; China; Taiwan; India; Malaysia                                                  |
| 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      |

## Monitoring range

|                                     |                                                                              |
|-------------------------------------|------------------------------------------------------------------------------|
| Distance write/read head front [mm] | 120                                                                          |
| Distance write/read head side [mm]  | 100                                                                          |
| Distance to the ID tag [mm]         | referred to 30 mm coin tag and antenna installed on metal, I-CODE SLI : ≤ 32 |

## Interfaces

| Communication interface    | IO-Link                                                                                                       |                   |          |         |     |
|----------------------------|---------------------------------------------------------------------------------------------------------------|-------------------|----------|---------|-----|
| 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 class | A                                                                                                             |                   |          |         |     |
| Supported DeviceIDs        | <table> <tr> <th>Type of operation</th><th>DeviceID</th></tr> <tr> <td>default</td><td>967</td></tr> </table> | Type of operation | DeviceID | default | 967 |
| Type of operation          | DeviceID                                                                                                      |                   |          |         |     |
| default                    | 967                                                                                                           |                   |          |         |     |

## Operating conditions

|                          |          |
|--------------------------|----------|
| Ambient temperature [°C] | -20...60 |
|--------------------------|----------|



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

## Tests / approvals

|                      |                   |                             |
|----------------------|-------------------|-----------------------------|
| EMC                  | DIN EN 301489-3   |                             |
| 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           |
| Radio approval       | EN 300 330 V2.1.1 |                             |
| UL approval          | Ta                | -20...60 °C                 |
|                      | Enclosure type    | Type 1                      |
|                      | voltage supply    | Limited Voltage/Current     |
|                      | File number UL    | E205959                     |

## Mechanical data

|            |      |                                      |
|------------|------|--------------------------------------|
| Weight     | [g]  | 77.5                                 |
| Housing    |      | rectangular                          |
| Mounting   |      | non-flush mountable                  |
| Dimensions | [mm] | 20 x 7 x 48                          |
| Material   |      | PBT; TPU (urethane); stainless steel |

## Displays / operating elements

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

## Remarks

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

## Electrical connection

Cable: 1 m, PUR; 3 x 0.14 mm<sup>2</sup>

Connector: 1 x M12; coding: A





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### Connection

