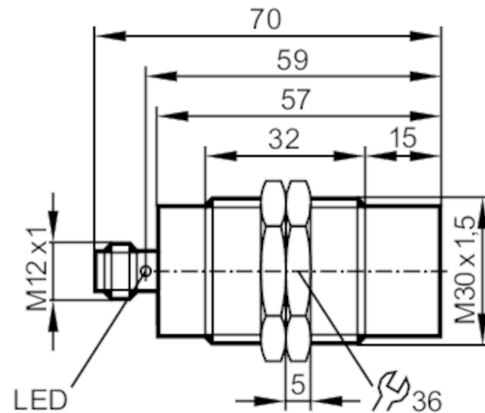


## DTI435



## RFID read/write head HF

DTRHF INRWIOUS03



## Application

|                        |                                                                                                                        |
|------------------------|------------------------------------------------------------------------------------------------------------------------|
| Application            | Detection of objects on transport equipment                                                                            |
| Radio approval for     | USA; Canada; EU/RED; Australia; China; Singapore; Japan; Taiwan                                                        |
| 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 to the ID tag | [mm] | referred to 30 mm coin tag; I-<br>CODE SLI | : | ≤ 45 |
|------------------------|------|--------------------------------------------|---|------|

## Interfaces

|                            |                                     |                 |
|----------------------------|-------------------------------------|-----------------|
| Communication interface    | IO-Link                             |                 |
| Transmission type          | COM2 (38,4 kBaud)                   |                 |
| IO-Link revision           | 1.1                                 |                 |
| Profiles                   | Smart Sensor: Device Identification |                 |
| SIO mode                   | no                                  |                 |
| Required master port class | A                                   |                 |
| Supported DeviceIDs        | <b>Type of operation</b>            | <b>DeviceID</b> |
|                            | default                             | 967             |

## Operating conditions

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

# DTI435



## RFID read/write head HF

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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           |
| Electrical safety    | EN 61010-2-201 : 2013 +AC:2013 |                             |

| Mechanical data    |                                                                |
|--------------------|----------------------------------------------------------------|
| Weight [g]         | 175.8                                                          |
| Housing            | tubular                                                        |
| Mounting           | non-flush mountable                                            |
| Dimensions [mm]    | M30 x 1.5 / L = 70                                             |
| Thread designation | M30 x 1.5                                                      |
| Material           | housing: stainless steel (1.4301 / 304); Protective cover: PPS |

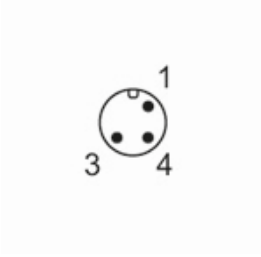
| Displays / operating elements |                   |                 |
|-------------------------------|-------------------|-----------------|
| Display                       | Power             | 1 x LED, green  |
|                               | tag communication | 1 x LED, yellow |

| Accessories    |                   |
|----------------|-------------------|
| Items supplied | Nut 2 x M30 x 1,5 |

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

### Electrical connection

Connector: 1 x M12; coding: A



### Connection

