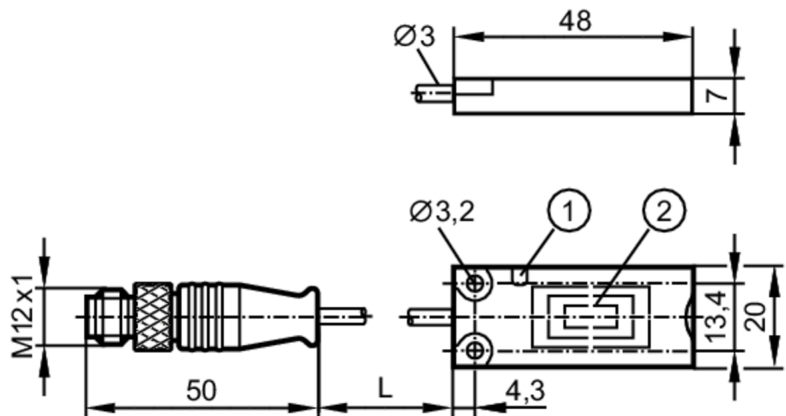


# ANT515



## RFID read/write head HF

DTRHF KQRWIDUS03-



- 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; Singapore; Ukraine; Malaysia; Brazil; Mexico; Vietnam     |
| 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]  | < 60           |
| Protection class          | III            |
| Operating frequency [MHz] | 13,56          |
| RFID standard             | ISO 15693      |

### Detection zone

|                                     |                                                                              |
|-------------------------------------|------------------------------------------------------------------------------|
| Distance write/read head front [mm] | 170                                                                          |
| Distance write/read head side [mm]  | 160                                                                          |
| Distance to the ID tag [mm]         | referred to 30 mm coin tag and antenna installed on metal, I-CODE SLI : ≤ 32 |

### Interfaces

|                         |               |
|-------------------------|---------------|
| Communication interface | DATA / DTE10x |
|-------------------------|---------------|

### 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 | 50 g 11 ms / 40 g (6 ms, continuous) |
| Vibration resistance | EN 60068-2-6  | 20 g 10...2000 Hz                    |
| MTTF [years]         |               | 457.9                                |

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|             |                |                         |
|-------------|----------------|-------------------------|
| UL approval | Ta             | -20...60 °C             |
|             | Enclosure type | Type 1                  |
|             | power supply   | Limited Voltage/Current |
|             | File number UL | E205959                 |

| Mechanical data |      |                             |
|-----------------|------|-----------------------------|
| Weight          | [g]  | 80                          |
| Housing         |      | rectangular                 |
| Mounting        |      | non-flush mountable         |
| Dimensions      | [mm] | 20 x 7 x 48                 |
| Materials       |      | PBT; TPE-U; stainless steel |

| Displays / operating elements |                   |                 |
|-------------------------------|-------------------|-----------------|
| Display                       | operation         | 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 mm² |

Electrical connection - plug

Connector: 1 x M12; coding: A



Connection

