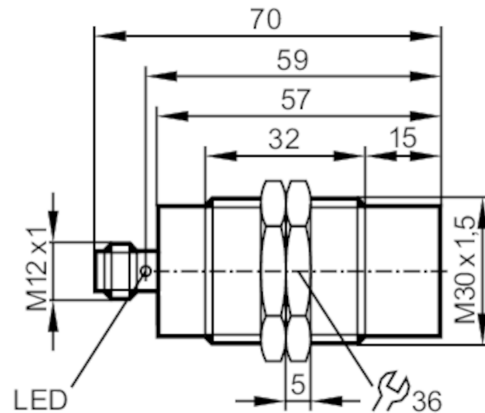




## RFID read/write head with CAN interface and CANopen protocol

DTMHF INRWCOUS03



## Electrical data

|                     |       |                           |
|---------------------|-------|---------------------------|
| Operating voltage   | [V]   | 9...32 DC                 |
| Current consumption | [mA]  | < 50 (24 V) / < 80 (12 V) |
| Protection class    |       | III                       |
| Operating frequency | [MHz] | 13,56                     |
| RFID standard       |       | ISO 15693                 |

## Detection zone

|                                     |     |  |      |
|-------------------------------------|-----|--|------|
| Distance write/read head front [mm] | 200 |  |      |
| Distance write/read head side [mm]  | 100 |  |      |
| Distance to the ID tag [mm]         |     |  | ≤ 55 |

## Interfaces

|                         |         |
|-------------------------|---------|
| Communication interface | CAN     |
| CAN                     |         |
| Protocol                | CANopen |

## Operating conditions

|                     |      |               |
|---------------------|------|---------------|
| Ambient temperature | [°C] | -40...85      |
| Storage temperature | [°C] | -40...85      |
| Protection          |      | IP 67; IP 69K |

## Tests / approvals

|                      |                                           |                             |
|----------------------|-------------------------------------------|-----------------------------|
| EMC                  | EN 301489-3                               | V 1.6.1                     |
| Shock resistance     | EN 60068-2-27                             | 40 g 6 ms / repetitive      |
| Vibration resistance | EN 60068-2-27                             | 50 g 11 ms / not repetitive |
| Radio approval       | EN 60068-2-6                              | 20 g 10...2000 Hz           |
| MTTF [years]         | EN302 291-2 V 1.1.1 / EN300 330-2 V 1.5.1 |                             |
|                      | 378.25                                    |                             |



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### Mechanical data

|                    |      |                                                                         |
|--------------------|------|-------------------------------------------------------------------------|
| Weight             | [g]  | 188.8                                                                   |
| Housing            |      | threaded type                                                           |
| Dimensions         | [mm] | M30 x 1.5 / L = 70                                                      |
| Thread designation |      | M30 x 1.5                                                               |
| Materials          |      | housing: stainless steel; Protective cover: PPS; connector housing: PEI |

### Displays / operating elements

|         |                     |                                  |
|---------|---------------------|----------------------------------|
| Display | Preoperational mode | 1 LED, green continuous light    |
|         | Operational mode    | 1 x LED, green flashing light    |
|         | errors              | 1 x LED, red flashing light      |
|         | tag communication   | 1 x LED, yellow continuous light |

### Remarks

|               |                                                        |
|---------------|--------------------------------------------------------|
| Remarks       | Singapore Not approved for operation, for export only. |
| Pack quantity | 1 pcs.                                                 |

### Electrical connection

|   |          |
|---|----------|
| 1 | not used |
| 2 | U+       |
| 3 | GND      |
| 4 | CAN_H    |
| 5 | CAN_L    |

Connector: 1 x M12

