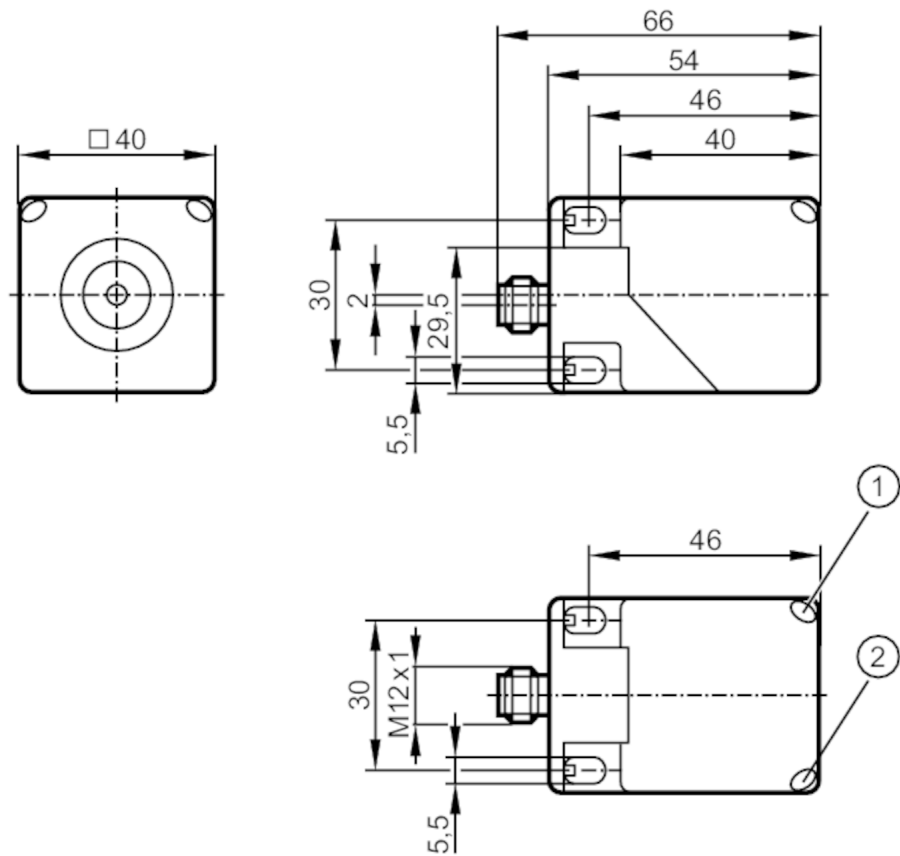


# ANT512



## RFID read/write head LF

DTRLF MCRWIDUS01



- 1 LED yellow
- 2 LED green



| Application                    |                                                                                                                            |               |                   |
|--------------------------------|----------------------------------------------------------------------------------------------------------------------------|---------------|-------------------|
| Application                    | detection of objects on transport equipment                                                                                |               |                   |
| Radio approval for             | USA; Canada; EU/RED; Australia; China; Taiwan; India; South Korea; Singapore; Malaysia; Сполучене Королівство; New Zealand |               |                   |
| 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]                                                                                                                        | 24 DC         |                   |
| Current consumption            | [mA]                                                                                                                       | < 50          |                   |
| Protection class               |                                                                                                                            | III           |                   |
| Operating frequency            | [MHz]                                                                                                                      | 0,125         |                   |
| Detection zone                 |                                                                                                                            |               |                   |
| Travel speed                   | [m/s]                                                                                                                      | < 0.5         |                   |
| Distance write/read head front | [mm]                                                                                                                       | 400           |                   |
| Distance write/read head side  | [mm]                                                                                                                       | 400           |                   |
| Distance to the ID tag         | [mm]                                                                                                                       | read          | : ≤ 60 ( static ) |
|                                |                                                                                                                            | write         | : ≤ 55 ( static ) |
|                                |                                                                                                                            | reference tag | : E80360          |



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| 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 60068-2-29                                                             | 40 g 6 ms       |
|                                                                                     | EN 60068-2-27                                                             | 50 g 11 ms      |
| Vibration resistance                                                                | EN 60068-2-6                                                              | 20 g 10...55 Hz |
| MTTF                                                                                | [ANN]                                                                     | 536             |
| Mechanical data                                                                     |                                                                           |                 |
| Weight                                                                              | [g]                                                                       | 185             |
| Housing                                                                             | rectangular                                                               |                 |
| Sensing face                                                                        | 5 positions selectable                                                    |                 |
| Dimensions                                                                          | [mm]                                                                      | 40 x 40 x 54    |
| Materials                                                                           | housing: PA; metal parts: stainless steel                                 |                 |
| Displays / operating elements                                                       |                                                                           |                 |
| Display                                                                             | operation                                                                 | 1 x LED, green  |
|                                                                                     | tag communication                                                         | 1 x LED, yellow |
| Remarks                                                                             |                                                                           |                 |
| Remarks                                                                             | For the distances to other ID tags see the respective data sheet (E803xx) |                 |
| Pack quantity                                                                       | 1 pcs.                                                                    |                 |
| Electrical connection                                                               |                                                                           |                 |
| Connector: 1 x M12, rotatable, locking; coding: A                                   |                                                                           |                 |
|  |                                                                           |                 |



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### Connection

