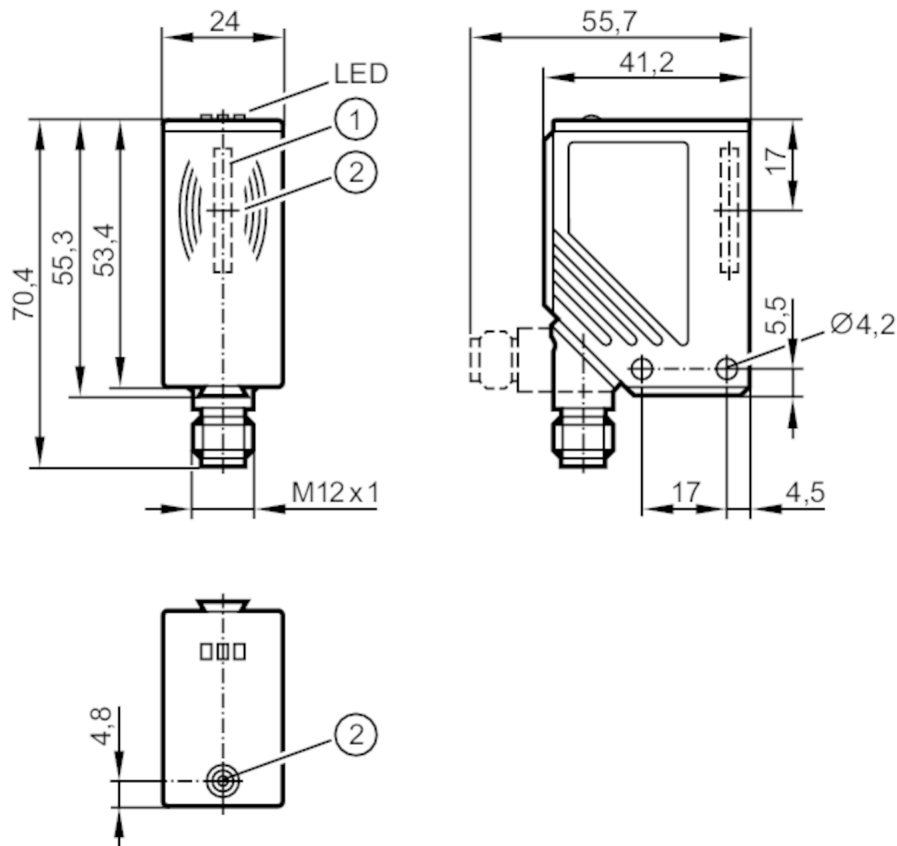




## RFID read head with AS-Interface

DTSLF AAROASUS01



- 1 integrated antenna  
2 tag position mark middle of the antenna



### Application

|                        |                                                                                                                        |
|------------------------|------------------------------------------------------------------------------------------------------------------------|
| Application            | detection of objects on transport equipment                                                                            |
| Radio approval for     | USA; Canada; EU/RED; Australia; China                                                                                  |
| 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]     | 26.5...31.6 DC; ("supply class 2" to cULus) |
| Current consumption [mA]  | < 50                                        |
| Protection class          | III                                         |
| Operating frequency [MHz] | 0,125                                       |

### Outputs

|                   |      |
|-------------------|------|
| Electrical design | AS-i |
|-------------------|------|

### Detection zone

|                               |       |
|-------------------------------|-------|
| Travel speed [m/s]            | < 0.5 |
| Distance read/read head front | 200   |
| Distance read/read head side  | 200   |



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|                                     |                 |   |        |
|-------------------------------------|-----------------|---|--------|
| Note on distance read/read head     | referred to     | : |        |
|                                     | Read/write head |   | DTA100 |
|                                     | Read head       |   | DTA101 |
| Distance write/read head front [mm] | 400             |   |        |
| Distance write/read head side [mm]  | 400             |   |        |
| Note on distance write/read head    | referred to     | : |        |
|                                     | Read/write head |   | DTA100 |
|                                     | Read head       |   | DTA101 |
| Distance to the ID tag [mm]         | read            | : | ≤ 20   |
|                                     | static          |   |        |

## Interfaces

|                         |      |
|-------------------------|------|
| Communication interface | AS-i |
|-------------------------|------|

## Operating conditions

|                          |          |
|--------------------------|----------|
| Ambient temperature [°C] | -20...50 |
| Storage temperature [°C] | -25...80 |
| Protection               | IP 67    |

## Tests / approvals

|                      |               |                   |
|----------------------|---------------|-------------------|
| EMC                  | EN 50295      | 1999-03           |
| 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...2000 Hz |
| MTTF [years]         | 422           |                   |

## AS-i classification

|                              |       |
|------------------------------|-------|
| AS-i I/O configuration [hex] | 7     |
| AS-i ID code [hex]           | 3     |
| AS-i certificate             | 71502 |

## Mechanical data

|                 |              |
|-----------------|--------------|
| Weight [g]      | 103.2        |
| Housing         | rectangular  |
| Dimensions [mm] | 55 x 24 x 41 |
| Materials       | PA           |

## Displays / operating elements

|         |                               |                 |
|---------|-------------------------------|-----------------|
| Display | Operating voltage             | 1 x LED, green  |
|         | tag communication             | 1 x LED, yellow |
|         | error AS-i data communication | 1 x LED, red    |

## Remarks

|               |                                                                           |
|---------------|---------------------------------------------------------------------------|
| Remarks       | For the distances to other ID tags see the respective data sheet (E803xx) |
| Pack quantity | 1 pcs.                                                                    |



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### Electrical connection

Connector: 1 x M12; coding: A



### Connection

