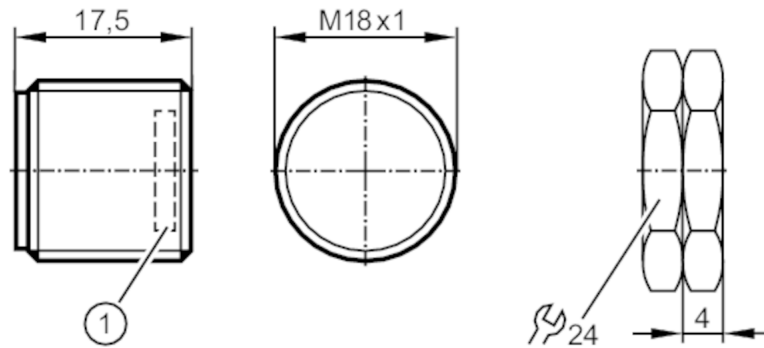




## RFID tag

ID-TAG/M18X1/01



1 ID tag type label = sensing face



## Application

|                                     |                                                   |
|-------------------------------------|---------------------------------------------------|
| Application                         | Coding of workpiece carriers in routing conveyors |
| Installation                        | installation on metal                             |
| Operating temperature (active) [°C] | -25...85                                          |
| Peak temperature (passive) [°C]     | 160; (duration of test: 1 x 35 h)                 |

## Electrical data

|                           |           |
|---------------------------|-----------|
| Operating frequency [MHz] | 0,125     |
| Memory size [bit]         | 224       |
| Max. read cycles          | unlimited |
| Max. write cycles         | 100000    |

## Operating conditions

|                          |           |
|--------------------------|-----------|
| Ambient temperature [°C] | -25...85  |
| Storage temperature [°C] | -25...130 |
| Protection               | IP 67     |

## Tests / approvals

|                      |                 |                   |
|----------------------|-----------------|-------------------|
| Shock resistance     | DIN IEC 68-2-27 | 40 g 18 ms        |
| Vibration resistance | DIN IEC 68-2-6  | 10 g 10...2000 Hz |
| MTTF [years]         | 2854            |                   |

## Mechanical data

|                    |                             |
|--------------------|-----------------------------|
| Weight [g]         | 9.85                        |
| Housing            | Threaded type               |
| Type of mounting   | Screw mounting              |
| Dimensions [mm]    | M18 x 1 / L = 16.2          |
| Thread designation | M18 x 1                     |
| Material           | threaded sleeve: PBT orange |

## Accessories

|                |              |
|----------------|--------------|
| Items supplied | lock nuts: 2 |
|----------------|--------------|

# E80311



## RFID tag

ID-TAG/M18X1/01

| Remarks       |                                |
|---------------|--------------------------------|
| Remarks       | Peak temperature 1 x 35 h      |
|               | Storage temperature 1 x 1000 h |
|               | shock 6 Achsen je 2000 Schocks |
|               | vibration 3 Achsen je 2,5 h    |
| Pack quantity | 1 pcs.                         |

## Other data

### read/write distance (mm)

|        | Positioning of the ID tags | Reading     | Writing     |  |
|--------|----------------------------|-------------|-------------|--|
| DTA100 | overhead                   | 5...20 / 8* | 5...20 / 8* |  |
| DTA101 | overhead                   | 5...20 / 8* | —           |  |
| DTA200 | front side                 | 25          | 25          |  |
| DTA201 | front side                 | 25          | —           |  |
| DTA300 | front side                 | 40          | 40          |  |
| DTA301 | front side                 | 40          | —           |  |

All indications apply to static read/write operations.

Indications without comment refer to the installation of ID tags in non-metallic environments.

\*)

ID tag flush installation in metal