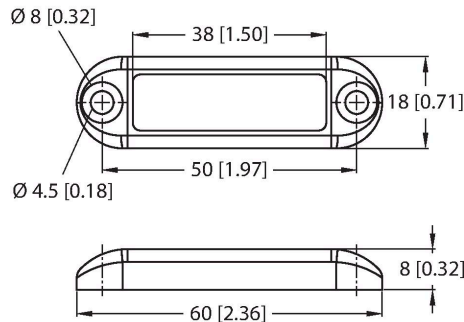


# TW860-960-Q18L60-M-B42

## UHF Tag



### Features

- EEPROM, memory 40 byte
- TID serial number: 6 byte
- For direct mounting on metal

### Functional principle

The UHF read/write heads form an air interface the size of which may vary, depending on the combination of read/write head and tag.

The read/write distances mentioned here only represent standard values measured under laboratory conditions and free from any influences caused by materials.

Attainable distances may vary due to component tolerances, mounting conditions, ambient conditions and material qualities, especially when mounted in metal.

Testing of the application under real operating conditions is therefore essential, especially with read/write on-the-fly!

### Technical data

|                                            |                                                                       |
|--------------------------------------------|-----------------------------------------------------------------------|
| Type                                       | TW860-960-Q18L60-M-B42                                                |
| ID                                         | 100004051                                                             |
| Remark to product                          | For direct mounting on metal                                          |
| Data transfer                              | Alternating electromagnetic field                                     |
| Technology                                 | UHF RFID                                                              |
| Region (UHF)                               | Global (860...960 MHz)<br>ETSI (865...868 MHz)<br>FCC (902...928 MHz) |
| Reading range on metal                     | 3 m (2W ERP)                                                          |
| Memory type                                | EEPROM                                                                |
| Chip                                       | Impinj Monza R6-P                                                     |
| Memory                                     | 40 Byte                                                               |
| Memory                                     | Read/Write                                                            |
| Freely usable memory                       | 4 Byte                                                                |
| EPC memory                                 | 16 byte                                                               |
| Number of read operations                  | unlimited                                                             |
| Number of write operations                 | 10 <sup>5</sup>                                                       |
| Typical read time                          | 2 ms/Byte                                                             |
| Typical write time                         | 3 ms/Byte                                                             |
| Radio communication and protocol standards | ISO 18000-63<br>EPCglobal Gen 2                                       |
| Temperature during read/write access       | -40...+85 °C                                                          |
| Temperature outside detection range        | -40...+85 °C                                                          |
| Design                                     | Hard tag                                                              |
| Housing length                             | 18 mm                                                                 |
| Housing width                              | 60 mm                                                                 |
| Housing height                             | 8 mm                                                                  |
| Active area material                       | Plastic, grey                                                         |

## Technical data

|                  |      |
|------------------|------|
| Protection class | IP68 |
| Packaging unit   | 1    |

## Mounting instructions/Description

