

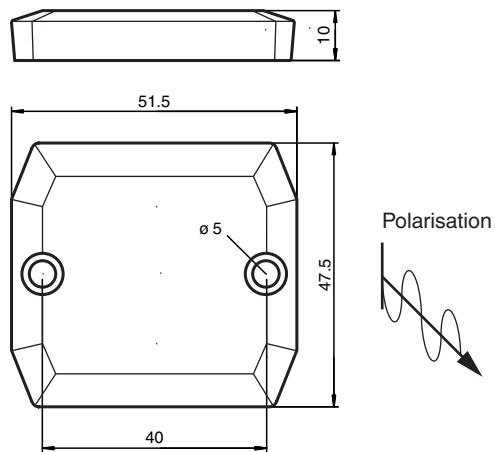


## RFID Transponder IUC77-F151-M-GBL

- Operating frequency 865 ... 928 MHz
- Complies with EPC Gen2 (ISO/IEC 18000-63)
- Sturdy housing, suitable for rough industrial use

Data carrier

### Dimensions



### Technical Data

#### General specifications

|                     |                 |
|---------------------|-----------------|
| Operating frequency | 865 ... 928 MHz |
| Polarization        | linear          |

#### Memory

|                              |                    |
|------------------------------|--------------------|
| Chip Type                    | Monza 4QT (Impinj) |
| Memory Bank 00 (Reserved)    | 64 Bit             |
| Memory Bank 01 (EPC/UII)     | 128 Bit            |
| Memory Bank 10 (TID)         | 96 Bit             |
| Memory Bank 11 (User memory) | 512 Bit            |
| Read cycles                  | unlimited          |
| Write cycles                 | > 100000           |
| Data retention period        | 10 years           |

#### Directive conformity

|                             |              |
|-----------------------------|--------------|
| Radio equipment             |              |
| Directive 2014/53/EU        | EN 302208    |
| RoHS                        |              |
| Directive 2011/65/EU (RoHS) | IEC/EN 63000 |

Release date: 2021-04-22 Date of issue: 2021-04-22 Filename: 258356\_eng.pdf

Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

Pepperl+Fuchs Group  
www.pepperl-fuchs.com

USA: +1 330 486 0001  
fa-info@us.pepperl-fuchs.com

Germany: +49 621 776 1111  
fa-info@de.pepperl-fuchs.com

Singapore: +65 6779 9091  
fa-info@sg.pepperl-fuchs.com

**PEPPERL+FUCHS**

## Technical Data

### Standard conformity

|                      |                  |
|----------------------|------------------|
| Degree of protection | EN 60529         |
| RFID                 | ISO/IEC 18000-63 |

### Ambient conditions

|                     |                                |
|---------------------|--------------------------------|
| Ambient temperature | -40 ... 85 °C (-40 ... 185 °F) |
| Storage temperature | -40 ... 85 °C (-40 ... 185 °F) |

### Mechanical specifications

|                      |                                   |
|----------------------|-----------------------------------|
| Housing length       | 47.5 mm                           |
| Housing width        | 51.5 mm                           |
| Housing height       | 10 mm                             |
| Degree of protection | IP68                              |
| Material             |                                   |
| Housing              | Impact-resistant plastic material |
| Installation         |                                   |
| On metal             | yes                               |
| Mass                 | 22 g                              |
| Construction type    | Rectangular type                  |