



## RFID antenna

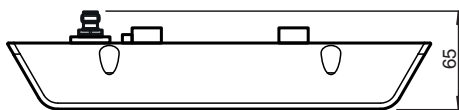
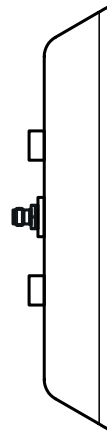
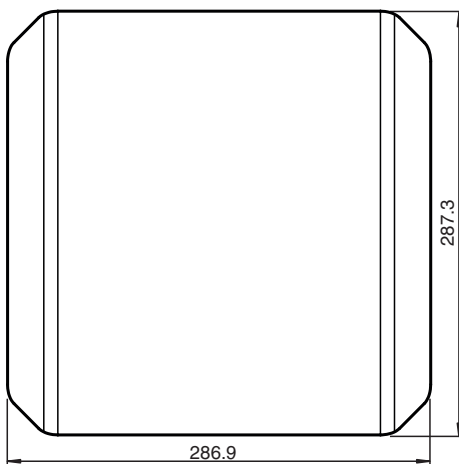
### IUA-F830-FR2

- Circular antenna polarization ensures reliable transponder detection and improves process flow
- Sturdy housing, suitable for rough industrial use
- Degree of protection IP67

UHF RFID antenna, 65° x 65° circular



## Dimensions



## Technical Data

### General specifications

|                                    |                 |
|------------------------------------|-----------------|
| Performance characteristics        | Gain: 9 dBic    |
| Operating frequency                | 902 ... 928 MHz |
| Polarization                       | circular        |
| Opening angle                      | 65 ° x 65 °     |
| Voltage standing-wave ratio (VSWR) | < 1.25:1        |

### Directive conformity

|                             |              |
|-----------------------------|--------------|
| RoHS                        |              |
| Directive 2011/65/EU (RoHS) | IEC/EN 63000 |



### Standard conformity

Release date: 2023-08-23 Date of issue: 2023-08-23 Filename: 70161900\_eng.pdf

## Technical Data

|                                  |  |
|----------------------------------|--|
| Degree of protection             | EN 60529   |
| <b>Ambient conditions</b>        |  |
| Ambient temperature              | -25 ... 55 °C (-13 ... 131 °F)   |
| Storage temperature              | -25 ... 80 °C (-13 ... 176 °F)   |
| Climatic conditions              | Air humidity 0 ... 95 % , noncondensing  |
| Shock and impact resistance      | Vibration (sine): 1 g, 10–150 Hz according to EN 60068-2-6<br>Shock (half-sine): 30 g according to EN 60068-2-27 |
| <b>Mechanical specifications</b> |  |
| Housing length                   | 65 mm  |
| Housing width                    | 288 mm   |
| Housing height                   | 288 mm   |
| Degree of protection             | IP67   |
| Connection                       | TNC socket, 50 Ω   |
| Material                         |  |
| Housing                          | PC, aluminum   |
| Mass                             | approx. 1550 g   |

## Accessories

|  |                                   |  |
|--|-----------------------------------|--|
|   | <b>IUZ-MH100</b>                  | Mounting aid   |
|  | <b>IUK-SMA-*M-LL240F-FRNC-TNC</b> | Adapter cable SMA plug straight to TNC plug straight, FRNC coaxial cable black, UV resistant |