# RFA630-001

RFID antennas

**ANTENNAS**

**SICK**
Sensor Intelligence.

## Ordering information

| Type | part no. |
|------|----------|
| RFA630-001 | 1058384 |

Other models and accessories ➜ www.sick.com/RFID_antennas

## Detailed technical data

### Features

| | |
|---|---|
| **Product segment** | Antennas, RFID, RFID |
| **Product** | RFID antennas |
| **Description** | Industrial RFID UHF antenna, carrier frequency 902 ... 928 MHz (USA, Canada, México, Australia, Brazil, China, Japan), TNC reverse |
| **Version** | Long Range |
| **Frequency band** | UHF (860 MHz ... 960 MHz) |
| **Carrier frequency** | 902 MHz ... 928 MHz |
| **Output power** | 4 W EIRP |
| **Polarization** | Circular polarised / RHCP |
| **Voltage standing wave ratio** | < 1.2 |
| **Gain** | Typ. 9 dBic |
| **3 dB aperture angle** | Typ. 72° |
| **Housing material** | Aluminum<br>Polycarbonat (front) |
| **Enclosure rating** | IP67 |
| **Ambient operating temperature** | –40 °C ... +60 °C |
| **Storage temperature** | –30 °C ... +70 °C |
| **Permissible relative humidity** | 95 %, Non-condensing |
| **Dimensions (W x H x L)** | 238.6 mm x 64.3 mm x 238.6 mm |
| **Weight** | + 2,300 g |

### Certificates

| | |
|---|---|
| **EU declaration of conformity** | ✓ |
| **UK declaration of conformity** | ✓ |
| **China RoHS** | ✓ |

### Classifications

| | |
|---|---|
| **ECLASS 5.0** | 27280401 |

| | |
|---|---|
| ECLASS 5.1.4 | 27280401 |
| ECLASS 6.0 | 27280401 |
| ECLASS 6.2 | 27280401 |
| ECLASS 7.0 | 27280401 |
| ECLASS 8.0 | 27280401 |
| ECLASS 8.1 | 27280401 |
| ECLASS 9.0 | 27280401 |
| ECLASS 10.0 | 27280401 |
| ECLASS 11.0 | 27280401 |
| ECLASS 12.0 | 27280401 |
| ETIM 5.0 | EC002593 |
| ETIM 6.0 | EC002998 |
| ETIM 7.0 | EC002998 |
| ETIM 8.0 | EC002998 |
| UNSPSC 16.0901 | 52161523 |

## Dimensional drawing
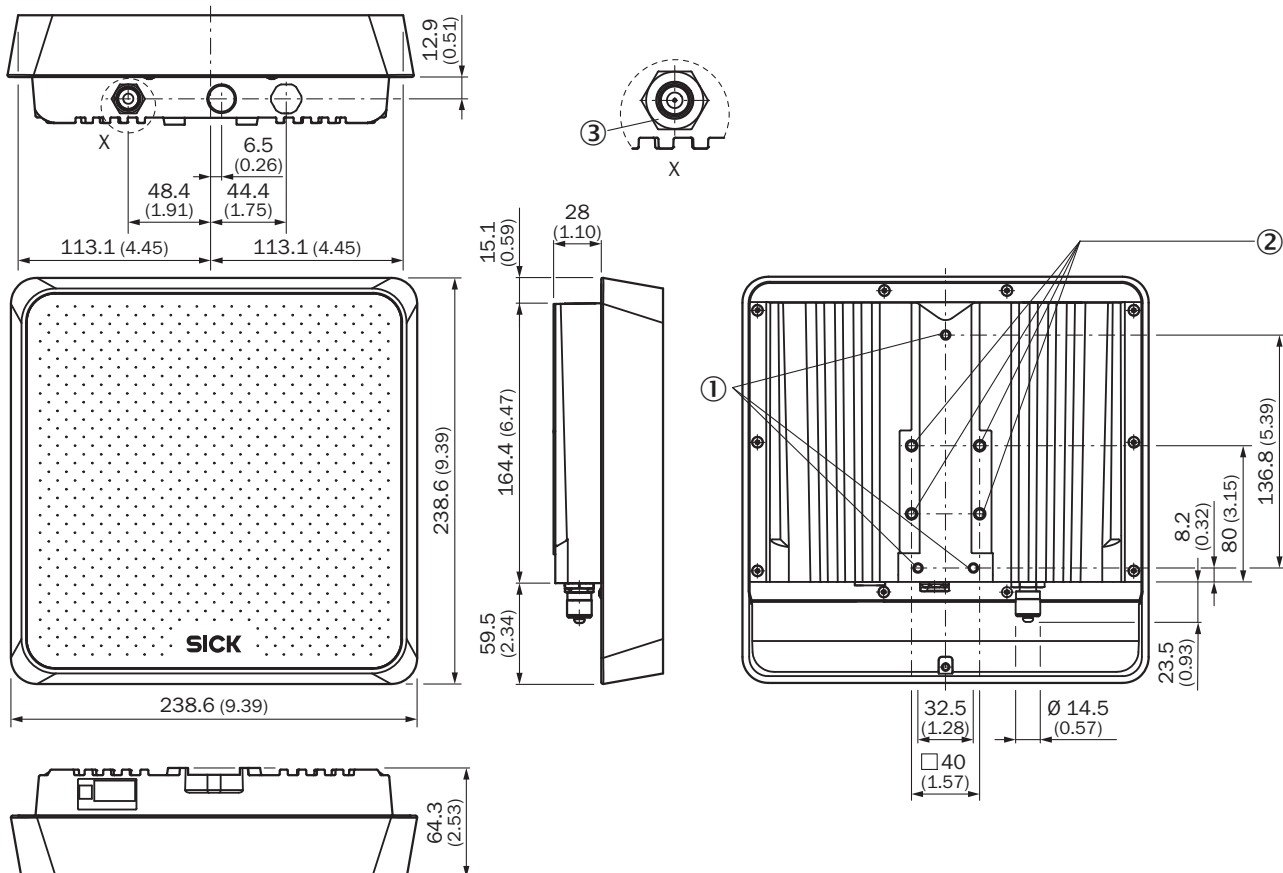


Dimensions in mm (inch)
① blind hole thread M5, 8 mm deep
② blind hole thread M6, 11 mm deep

③ TNC reverse

# SICK AT A GLANCE

SICK is one of the leading manufacturers of intelligent sensors and sensor solutions for industrial applications. A unique range of products and services creates the perfect basis for controlling processes securely and efficiently, protecting individuals from accidents and preventing damage to the environment.

We have extensive experience in a wide range of industries and understand their processes and requirements. With intelligent sensors, we can deliver exactly what our customers need. In application centers in Europe, Asia and North America, system solutions are tested and optimized in accordance with customer specifications. All this makes us a reliable supplier and development partner.

Comprehensive services complete our offering: SICK LifeTime Services provide support throughout the machine life cycle and ensure safety and productivity.

**For us, that is "Sensor Intelligence."**

# WORLDWIDE PRESENCE:

Contacts and other locations –**www.sick.com**

SICK AG  |  Waldkirch  |  Germany  |  www.sick.com

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