Product data sheet

# HF transponder, disk

## HF transponders

RFID TRANSPONDERS

SICK
Sensor Intelligence.

## Ordering information

| Special features | Memory capacity (UII / user memory) | Diameter | Type | Part no. |
|---|---|---|---|---|
| High Temperature, High Memory | 16,000 Bit (250 x 8 Byte) | 30 mm | HF transponder, disk | 6043514 |

Other models and accessories → www.sick.com/HF_transponders

## Detailed technical data

### Features

| | |
|---|---|
| **Accessory group** | HF transponders |
| **Description** | HF transponder, PA 6, diameter 30 mm, Fujitsu MB89R118 |
| **Frequency band** | HF (13.56 MHz) |
| **Read range** | |
| RFH505 | 2 cm [1] |
| RFH510 | 4 cm |
| RFH515 | 4.5 cm |
| RFH620 | 8 cm |
| RFH630 | 13 cm |
| **Design** | Round |
| **Housing material** | PA 6 |
| **Ambient operating temperature** | –20 °C ... +85 °C |
| **Storage temperature** | –40 °C ... +90 °C |
| **Housing color** | Black |
| **IC type** | Fujitsu MB89R118 |
| **IC capacity** | 16,000 Bit (250 x 8 Byte) |
| **IC write cycle** | ≤ 10,000,000,000 |
| **IC data retention time** | < 10 years |
| **Diameter** | 30 mm |
| **Weight** | + 9.5 g |

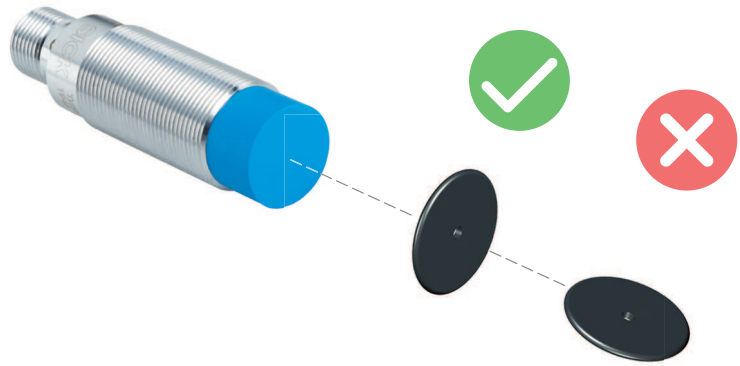
[1] Typical value; actual value depends on environmental conditions.

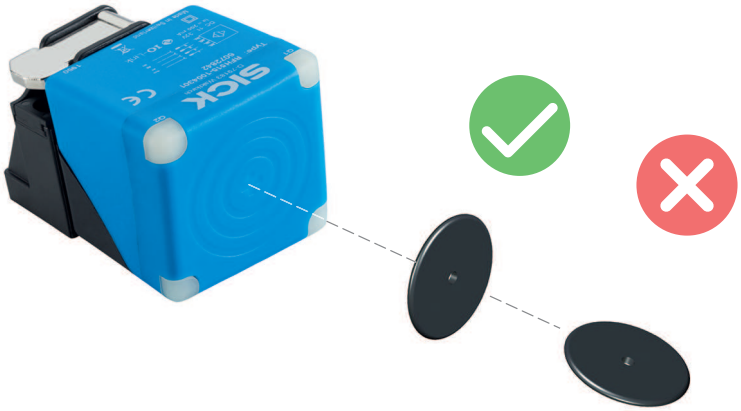
### Classifications

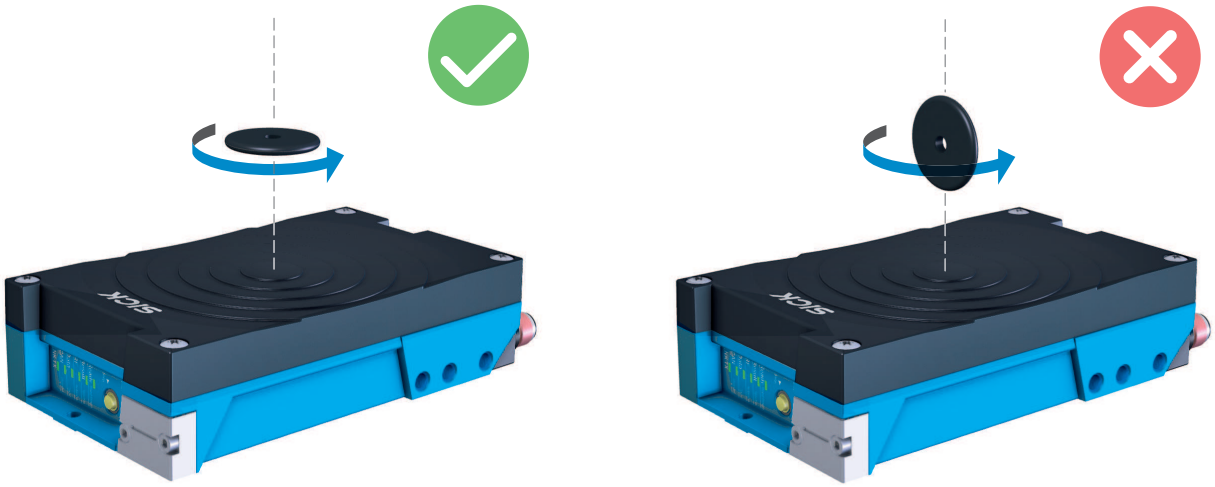
| | |
|---|---|
| **ECLASS 5.0** | 27280402 |
| **ECLASS 5.1.4** | 27280402 |
| **ECLASS 6.0** | 27280402 |
| **ECLASS 6.2** | 27280402 |
| **ECLASS 7.0** | 27280402 |
| **ECLASS 8.0** | 27280402 |
| **ECLASS 8.1** | 27280402 |

| | |
|---|---|
| **ECLASS 9.0** | 27280402 |
| **ETIM 6.0** | EC002998 |
| **UNSPSC 16.0901** | 52161523 |

## Instruction for installation







# 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
Sensor Intelligence.