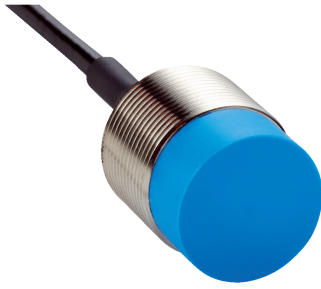


# RFA312-3733

RFID antennas

ANTENNAS

**SICK**  
Sensor Intelligence.



## Ordering information

Type	part no.
RFA312-3733	1065473

Other models and accessories → [www.sick.com/RFID\\_antennas](http://www.sick.com/RFID_antennas)



## Detailed technical data

## Features

<b>Product segment</b>	Antennas, RFID, RFID
<b>Product</b>	RFID antennas
<b>Description</b>	Industrial RFID HF antenna, cable length 3.62 m, diameter 30 mm, length 48 mm
<b>Version</b>	Short Range
<b>Frequency band</b>	HF (13.56 MHz)
<b>Carrier frequency</b>	13.56 MHz
<b>Output power</b>	1 W
<b>Voltage standing wave ratio</b>	< 2
<b>Housing material</b>	Plastic
<b>Electrical connection</b>	TNC plug with coaxial cable, 3.62 m
<b>Incoming impedance</b>	50 Ω
<b>Enclosure rating</b>	IP67
<b>Ambient operating temperature</b>	-20 °C ... +50 °C
<b>Storage temperature</b>	-40 °C ... +70 °C
<b>Permissible relative humidity</b>	95 %, Non-condensing
<b>Weight</b>	400 g

## Certificates

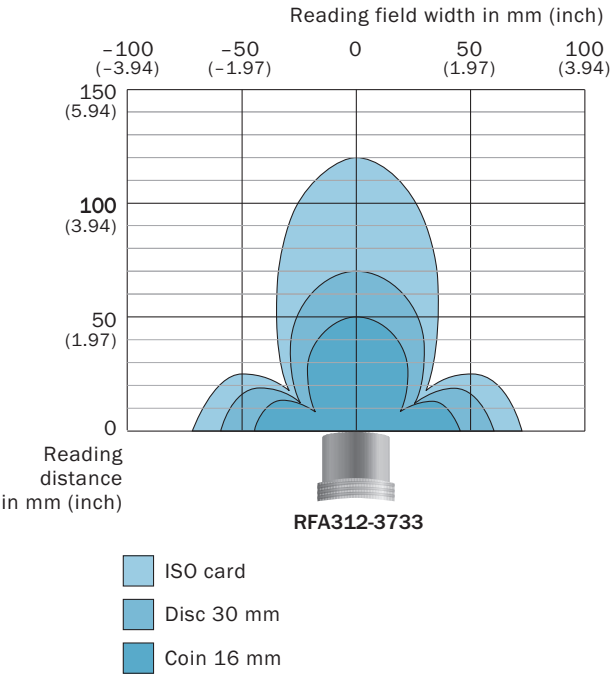
<b>EU declaration of conformity</b>	✓
<b>UK declaration of conformity</b>	✓
<b>China RoHS</b>	✓

## Classifications

<b>ECLASS 5.0</b>	27280401
<b>ECLASS 5.1.4</b>	27280401
<b>ECLASS 6.0</b>	27280401
<b>ECLASS 6.2</b>	27280401
<b>ECLASS 7.0</b>	27280401
<b>ECLASS 8.0</b>	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

Reading field diagram RFH630 Ethernet with external antenna



## 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](http://www.sick.com)