



# HF transponder, ISO card

HF transponders

**RFID TRANSPONDERS**

**SICK**  
Sensor Intelligence.



### Ordering information

Type	part no.
HF transponder, ISO card	6037848

Other models and accessories → [www.sick.com/HF\\_transponders](http://www.sick.com/HF_transponders)

### Detailed technical data

#### Features

<b>Product segment</b>	RFID transponders, RFID
<b>Product</b>	HF transponders
<b>Scope</b>	Marking of small load carriers (SLC) and universal storage and transport containers
<b>Frequency band</b>	HF (13.56 MHz)
<b>Design</b>	Rectangular
<b>Housing material</b>	PVC
<b>Ambient operating temperature</b>	-35 °C ... +50 °C <sup>1)</sup>
<b>Storage temperature</b>	-30 °C ... +50 °C
<b>Housing color</b>	White
<b>IC type</b>	NXP ICODE SLIX2
<b>Storage capacity</b>	2528 Bit (79 x 4 Byte) (User Memory)
<b>IC data retention time</b>	< 10 years
<b>Mounting method</b>	Recessed
<b>Dimensions (W x H x L)</b>	85.6 mm x 0.76 mm x 53.98 mm
<b>Weight</b>	+ 5 g
<b>Reading range</b>	
	RFH505 1 cm <sup>2)</sup>
	RFH510 6 cm <sup>2)</sup>
	RFH515 6.5 cm <sup>2)</sup>
	RFH620 15 cm <sup>2)</sup>
	RFH630 24 cm <sup>2)</sup>

<sup>1)</sup> Max. temperature at which the RFID transponder can interact with the RFID read/write device.

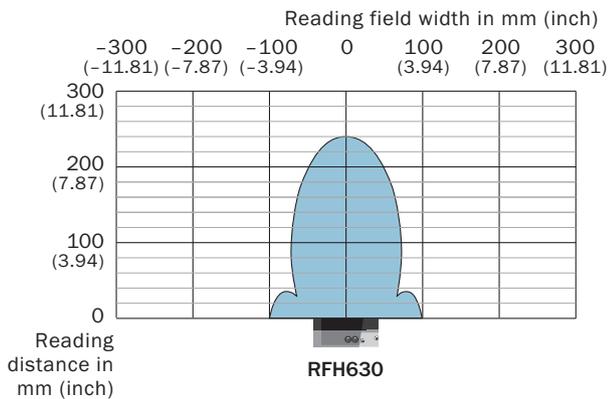
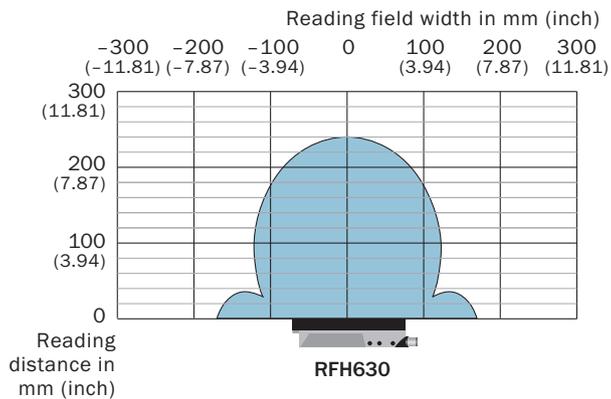
<sup>2)</sup> Typical value; actual value depends on environmental conditions.

#### 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

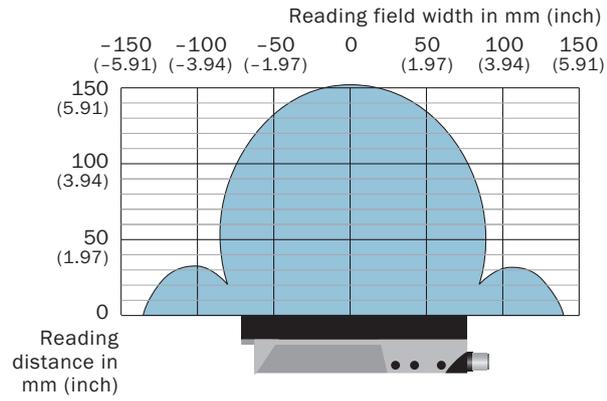
<b>ECLASS 7.0</b>	27280401
<b>ECLASS 8.0</b>	27280401
<b>ECLASS 8.1</b>	27280402
<b>ECLASS 9.0</b>	27280402
<b>ECLASS 10.0</b>	27280402
<b>ECLASS 11.0</b>	27280402
<b>ECLASS 12.0</b>	27280402
<b>ETIM 5.0</b>	EC002593
<b>ETIM 6.0</b>	EC002998
<b>ETIM 7.0</b>	EC002998
<b>ETIM 8.0</b>	EC002998
<b>UNSPSC 16.0901</b>	52161523

Reading field diagram RFH63x



ISO Card

### Reading field diagram RFH62x



## 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)