Data sheet

HF transponder, glass

HF transponders

RFID TRANSPONDERS

SICK
Sensor Intelligence.

Ordering information

Type	part no.
HF transponder, glass	6039237

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

Detailed technical data

Features

Product segment	RFID transponders, RFID
Product	HF transponders
Scope	Floor marking for AGVs (Automated Guided Vehicles), Marking of non-metal parts that are exposed to high temperatures, liquids and chemicals, Marking of pallets, Transponder embedding
Specialty	High Temperature
Frequency band	HF (13.56 MHz)
Design	Cylinders
Housing material	Glass
Ambient operating temperature	–25 °C ... +85 °C [1]
Storage temperature	–40 °C ... +90 °C
Application temperature	+ 120 °C, 100 h, 1 [2] + 140 °C, 10 h, 1 [2]
Housing color	Transparent
IC type	NXP ICODE SLIX2
Storage capacity	2528 Bit (79 x 4 Byte) (User Memory)
IC data retention time	< 10 years
Mounting method	Recessed
Dimensions (W x H x L)	21.7 mm
Diameter	4 mm
Weight	+ 0.55 g
Reading range	
RFH505	1 cm [3]
RFH510	2 cm [3]
RFH515	3 cm [3]
RFH620	3 cm [3]

[1] Max. temperature at which the RFID transponder can interact with the RFID read/write device.
[2] Max. temperature the RFID transponder can withstand [maximum temperature; duration; cycles]. For optimal performance, the transponders should completely cool off before a new temperature cycle is started.
[3] Typical value; actual value depends on environmental conditions.

RFH630	9 cm [3]

[1] Max. temperature at which the RFID transponder can interact with the RFID read/write device.

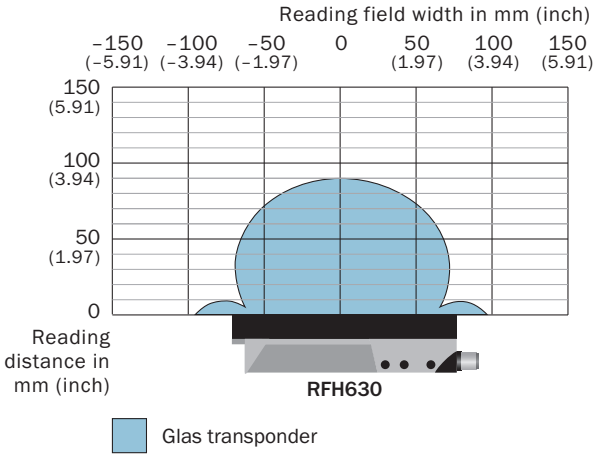
[2] Max. temperature the RFID transponder can withstand [maximum temperature; duration; cycles]. For optimal performance, the transponders should completely cool off before a new temperature cycle is started.

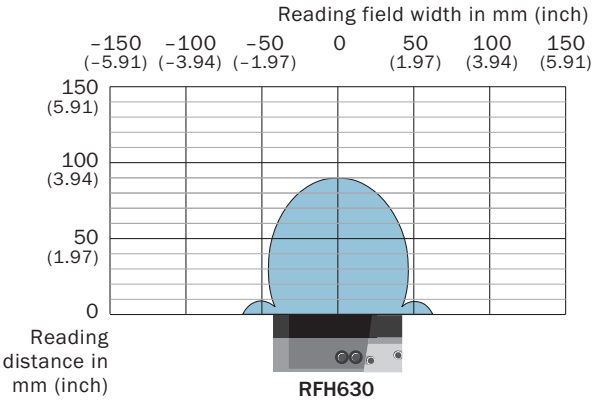
[3] Typical value; actual value depends on environmental conditions.

Classifications

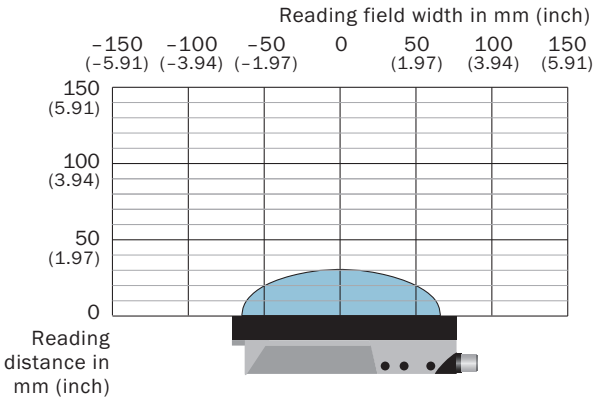
ECLASS 5.0	27280401
ECLASS 5.1.4	27280401
ECLASS 6.0	27280401
ECLASS 6.2	27280401
ECLASS 7.0	27280401
ECLASS 8.0	27280401
ECLASS 8.1	27280402
ECLASS 9.0	27280402
ECLASS 10.0	27280402
ECLASS 11.0	27280402
ECLASS 12.0	27280402
ETIM 5.0	EC002593
ETIM 6.0	EC002998
ETIM 7.0	EC002998
ETIM 8.0	EC002998
UNSPSC 16.0901	52161523

Reading field diagram RFH63x





Reading field diagram RFH62x



Instruction for installation

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