SICK.COM

DATA SHEET

HF transponder, glass

HF transponders
RFID transponders

SICK Sensor Intelligence

RFID TRANSPONDERS

HF transponder, glass

ORDERING INFORMATION

Type	part no.
HF transponder, glass	6039237

Further device versions and accessories at 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

[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.

Weight	+ 0.55 g
Reading range	
RFH505	1 cm [3]
RFH510	2 cm [3]
RFH515	3 cm [3]
RFH620	3 cm [3]
RFH630	9 cm [3]
Shock resistance	IEC 68-2-29

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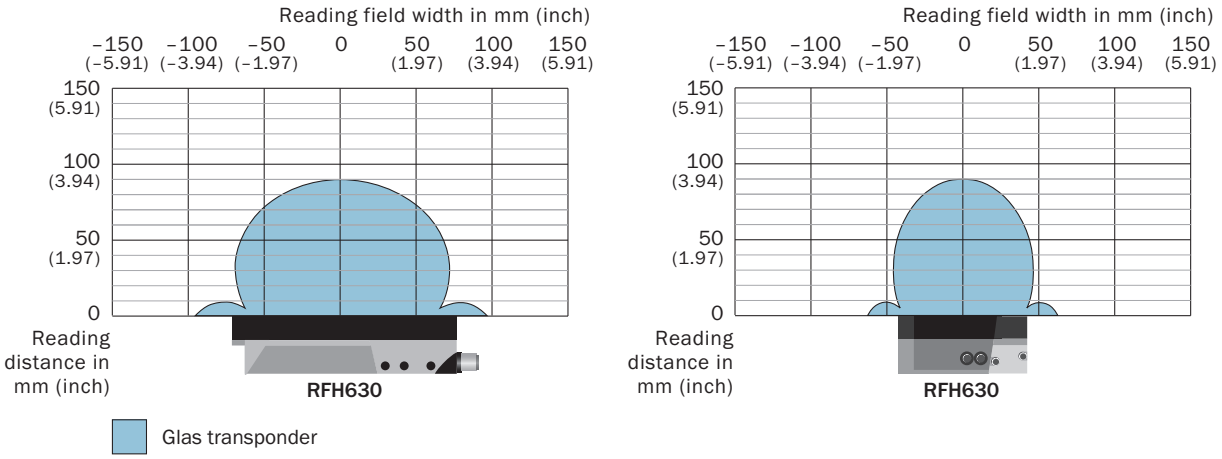
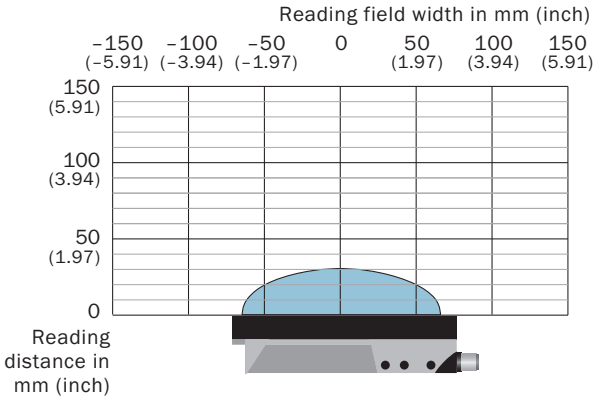
READING FIELD DIAGRAM RFH63X



READING FIELD DIAGRAM RFH62X



INSTRUCTION FOR INSTALLATION

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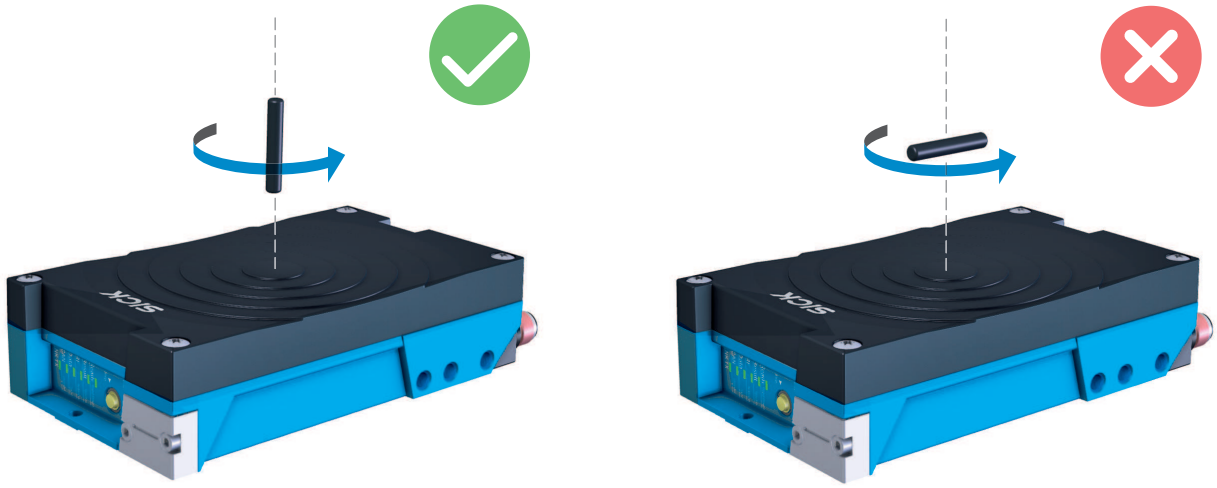

Further information as well as suitable accessories, example applications and downloads such as CAD dimensional models, operating instructions and software can be found at www.sick.com/6039237

SICK AG
WALDKIRCH
GERMANY
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SICK AT A GLANCE

SICK is a leading global technology company for intelligent sensors and integrated solutions in industrial automation. Our technologies set benchmarks, making your industrial processes more efficient, safer and more sustainable – both in logistics and manufacturing operations.

SICK combines sensor intelligence with industry expertise and certified consulting services. We provide the ideal foundation for scalable as well as tailor-made automation solutions and create added value along the entire value chain. Our close partnerships with our customers are more than just a promise: Together, we optimize productivity, improve quality, protect health and safety, and help build a sustainable future. All with empathy and trust.

Since 1946, we have been developing innovative technologies with passion and a pioneering spirit. With a global network in around 40 countries, SICK has a global presence and is always close by. The company's headquarters are located in Waldkirch near Freiburg, Germany. Our customers benefit from our understanding of both local and global requirements, which enables us to deliver tailor-made solutions

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