

UHF Transponder, Rectangular, On-Metal, global

RFID transponder

RFID





Ordering information

Туре	Part no.
UHF Transponder, Rectangular, On-Metal, global	6080937

Other models and accessories -> www.sick.com/RFID_transponder

Detailed technical data

Features

Туре	Hardtag
туре	Halutag
Frequency band	UHF (860 MHz 960 MHz)
Carrier frequency	865 MHz 928 MHz
RFID standard	EPCglobal UHF Class 1 Generation 2, ISO/IEC 18000-6 C
Read range	
RFU61x	50 cm ¹⁾
RFU62x	100 cm ¹⁾
RFU63x/RFU65x	600 cm ¹⁾
Special features	On Metal ²⁾
IC type	Alien Higgs 9
Memory capacity (UII / user memory)	96/688 Bit
IC write cycle	≤ 200,000
IC data retention time	< 10 years

 $^{^{1)}}$ Typical value; actual value depends on environmental conditions.

Mechanics/electronics

Housing	Plastic
Housing color	Gray
Enclosure rating	IP68
Weight	15.5 g
Dimensions (L x W x H)	21 mm x 85 mm x 10 mm
Hole	5 mm
Design	Rectangular
Mounting method	Screws, Rivets

Ambient data

Ambient operating temperature	-35 °C +85 °C ¹⁾
Storage temperature	-35 °C +85 °C

 $^{^{1)}}$ Max. temperature at which the RFID transponder can interact with the RFID read/write device.

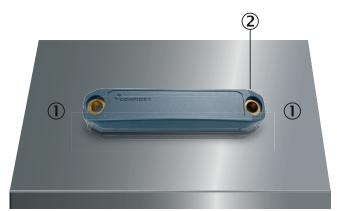
Classifications

ECLASS 5.0	27280402

²⁾ For optimal performance the transponder must be mounted directly onto metal. The metal surface must be of at least the same size as the transporter.

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
ECLASS 10.0	27280402
ECLASS 11.0	27280402
ECLASS 12.0	27280402
ETIM 6.0	EC002998
ETIM 7.0	EC002998
ETIM 8.0	EC002998
UNSPSC 16.0901	52161523

Assembly note



- ① Leave the mounting surface in this area near to the transponder free. Free surface should be metal.
- ② Mounting on even metal surface with full contact of the underside of the transponder on the metal.

Recommended services

Additional services → www.sick.com/RFID_transponder

	Туре	Part no.
Commissioning		
 Product area: RFID Range of services: Inspection of connection, alignment, optimization of parameters of the RFU/RFH as well as tests, Setup of previously defined functions of reading configuration, data processing and network, interfaces and inputs and outputs Travel expenses: The prices do not include travel costs such as hotel, flight, travel time and expenses. Duration: Additional work will be invoiced separately 	Commissioning RFU/RFH	1610018

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RFIL

	Туре	Part no.
Maintenance		
 Product area: RFID Range of services: Inspection, analysis and restoring of defined functions, Checking and adjustment of reading configuration, data processing, network, interfaces and inputs and outputs as well as operating data Duration: Additional work will be invoiced separately Travel expenses: The prices do not include travel costs such as hotel, flight, travel time and expenses. 	Maintenance RFU/RFH	1611424

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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:

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