



UHF Transponder, rectangular, on-metal, FCC

RFID transponders /

RFID

SICK
Sensor Intelligence.



Ordering information

Type	Part no.
UHF Transponder, rectangular, on-metal, FCC	6060819

Other models and accessories → www.sick.com/RFID_transponders__

Detailed technical data

Features

Type	Hardtag						
Frequency band	UHF (860 MHz ... 960 MHz)						
Carrier frequency	902 MHz ... 928 MHz						
RFID standard	EPCglobal UHF Class 1 Generation 2, ISO/IEC 18000-6 C						
Read range	<table border="0"> <tr> <td>RFU61x</td> <td>1 m ¹⁾</td> </tr> <tr> <td>RFU62x</td> <td>2 m ¹⁾</td> </tr> <tr> <td>RFU63x/RFU65x</td> <td>10 m ¹⁾</td> </tr> </table>	RFU61x	1 m ¹⁾	RFU62x	2 m ¹⁾	RFU63x/RFU65x	10 m ¹⁾
RFU61x	1 m ¹⁾						
RFU62x	2 m ¹⁾						
RFU63x/RFU65x	10 m ¹⁾						
IC type	Impinj Monza 4QT						
IC capacity	128/512 Bit						
IC write cycle	≤ 100,000						
IC data retention time	< 50 years						
On Metal	✓ ²⁾						

¹⁾ Typical value; actual value depends on environmental conditions.

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.

Mechanics/electronics

Housing	Plastic
Housing color	Gray
Enclosure rating	IP68
Weight	+ 31 g
Dimensions (L x W x H)	26 mm x 155 mm x 14.5 mm
Hole	5.75 mm
Design	Rectangular
Mounting method	Screws, riveting

Performance

Readable code structures	RFID transponders
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Ambient data

Ambient operating temperature	-35 °C ... +85 °C
Storage temperature	-35 °C ... +85 °C

Classifications

ECI@ss 5.0	27280401
ECI@ss 5.1.4	27280401
ECI@ss 6.0	27280401
ECI@ss 6.2	27280401
ECI@ss 7.0	27280401
ECI@ss 8.0	27280401
ECI@ss 8.1	27280401
ECI@ss 9.0	27280401
ETIM 6.0	EC002998
UNSPSC 16.0901	52161523

Recommended services

Additional services → www.sick.com/RFID_transponders__

	Type	Part no.
Warranty extensions		
<ul style="list-style-type: none"> Product area: Identification solutions, machine vision, Distance sensors, Detection and ranging solutions Range of services: The services correspond to the scope of the statutory manufacturer warranty (SICK general terms and conditions of purchase), Long-term protection for calculable lump sum. Duration: Five-year warranty from date of purchase. 	Five-year extended warranty	1680671
Commissioning		
<ul style="list-style-type: none"> Product area: RFID Range of services: Inspection of connection, alignment, optimization of parameters of the RFU/RFH as well as verification tests, Setup of previously defined functions of reading configuration, data processing and network, interfaces and inputs and outputs Documentation: Archiving of product parameters in a SICK database, Documentation of reading rate, Creation of a commissioning log Duration: Additional work will be invoiced separately Note: The prices do not include expenses or costs for the travel time 	Commissioning RFU/RFH	1610018
Maintenance		
<ul style="list-style-type: none"> 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 Documentation: Documentation of operating hours and archiving of parameters in a SICK database, Documentation of the read rate, for RFU log file with parameters such as RSSI, Tx-Pwr, CS and reading gate duration, Creation of a maintenance log Duration: Additional work will be invoiced separately Note: The prices do not include expenses or costs for the travel time 	Maintenance RFU/RFH	1611424

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