



UHF Transponder, Rectangular, On-Metal, global

UHF transponders

RFID TRANSPONDERS

SICK
Sensor Intelligence.



Ordering information

Type	part no.
UHF Transponder, Rectangular, On-Metal, global	6086967

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

Detailed technical data

Features

Product segment	RFID transponders, RFID
Product	UHF transponders
Scope	Marking of metal parts that are exposed to high temperatures, liquids and chemicals, UV-resistant
Specialty	High Temperature
Frequency band	UHF (860 MHz ... 960 MHz)
Carrier frequency	865 MHz ... 928 MHz
Design	Rectangular
Housing material	Thermoplastic
Ambient operating temperature	-40 °C ... +85 °C ¹⁾
Storage temperature	-40 °C ... +85 °C
Application temperature	+ 125 °C, 60 min, 1 ²⁾
Housing color	Gray
IC type	Impinj M780
Storage capacity	496/128 Bit (EPC / User Memory)
IC data retention time	< 20 years
Mounting method	Screws, Rivets
Dimensions (W x H x L)	51.5 mm x 10 mm x 47.5 mm
Weight	+ 22 g
Reading range	
	RFU61x 70 cm ³⁾
	RFU62x 150 cm ³⁾
	RFU63x/RFU65x 700 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
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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

Instruction for installation



- 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.

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