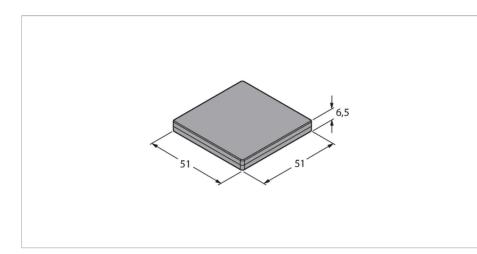


TW-Q51WH-HT-B128 HF Tag – High Temperature



Technical data

TW-Q51WH-HT-B128
7030661
High-temperature
Inductive coupling
HF RFID
13.56 MHz
EEPROM
NXP I-Code SLI-X
128 Byte
Read/Write
112 Byte
unlimited
10 ^₅
2 ms/Byte
3 ms/Byte
ISO 15693 NFC Typ 5
10 mm
-25+85 °C
-40+210 °C
-55+185 °C
Applicable to the HF part
200 °C, 60 min
220 °C, 45 min
240 °C, 30 min



Features

- The high-temperature tags must undergo adequate stress tests within the proposed
- temperature processes before deployment.The following stress test was performed on this tag:
 - Cyclic temperature stress: 20 min. at 20 °C 20 min. at 220 °C.
 - Number of tested cycles: 1500
- This successfully performed test does not imply suitability for a specific hightemperature application, but merely serves
- as proof of the basic usability. The TH-Q51S-HT and TH-Q51T-HT
- brackets protect the tag from mechanical loads and allow the mounting on metal. EEPROM, memory 128 byte
- Not for direct mounting on metal

Functional principle

The HF read/write devices operating at a frequency of 13.56 MHz form a transmission zone the size of which (0...500 mm) varies, depending on the combination of read/write head and tag used.

The read/write distances mentioned here only represent standard values measured under laboratory conditions, free from any influences caused by surrounding materials. The read/write distances of tags suitable for

mounting in/on metal were determined in/on metal.

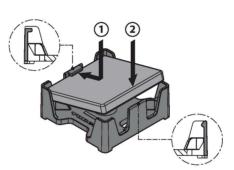
Attainable distances may vary by up to 30 % due to component tolerances, mounting conditions, ambient conditions and material qualities (especially when mounted in metal). Testing of the application under real operating conditions is therefore essential, especially with on-the-fly reading and writing!



Technical data

Design	Hard tag, Q51
Housing length	51 mm
Housing width	51 mm
Housing height	6.5 mm
Housing material	Plastic
Active area material	Plastic, PPS, black
Protection class	IP68
Packaging unit	1

Mounting instructions/Description



Mounting the data carrier properly in the retainer To avoid damage to the retainer, follow the instructions below. Carefully push both sides of the data carrier in the retainer until they latch (the latches are designed differently): 1. Insert data carrier 2. Latch data carrier