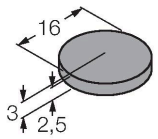
TW-R16-B128
HF Tag



Technical data

Type	TW-R16-B128
ID	6900501
Remark to product	extended storage temperature range, suitable for Laundry applications
Data transfer	Inductive coupling
Technology	HF RFID
Operating frequency	13.56 MHz
Memory type	EEPROM
Chip	NXP I-Code SLI-X
Memory	128 Byte
Memory	Read/Write
Freely usable memory	112 Byte
Number of read operations	unlimited
Number of write operations	10^5
Typical read time	2 ms/Byte
Typical write time	3 ms/Byte
Radio communication and protocol standards	ISO 15693 NFC Typ 5
Minimum distance to metal	10 mm
Temperature during read/write access	-25…+85 °C
Temperature outside detection range	-25…+120 °C
	160 °C, 1 × 35 h
	220 °C, 1 × 30 s
Design	Hard tag, R16
Diameter	16 mm
Housing material	Plastic, PPS
Active area material	Plastic, PPS, black
Protection class	IP69K

Features

- 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!

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Technical data

Packaging unit	1

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