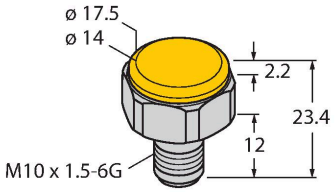
TW-BD10X1.5-19-B128
HF Tag



Technical data

Type	TW-BD10X1.5-19-B128
ID	6901384
Remark to product	Threaded tag, can be screwed onto metal
Data transfer	Inductive coupling
Technology	HF RFID
Operating frequency	13.56 MHz
Radio communication and protocol standards	ISO 15693 NFC Typ 5
Design	Hard tag with thread, BD10x1.5
Housing material	Plastic, Delrin
Active area material	Plastic, PA6.6, yellow
Vibration resistance (EN 60068-2-6)	10 g; 10…2000 Hz; 3 axes; 2.5 h
Continuous shock resistance (EN 60068-2-29)	40 g, 18 ms, 6 axes, 2000 ×
Protection class	IP67 IP69K
Tightening torque	≤ 0.56 Nm
Packaging unit	1

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Data transfer	Inductive coupling
Technology	HF RFID
Operating frequency	13.56 MHz
Memory type	EEPROM
Chip	NXP I-Code SLI-X
Memory size	128 Byte
Memory	Read/Write

Features

- M10 bolt tag with yellow cap
- EEPROM, memory 128 byte
- Tighten by hand only, max. 0.56 Nm

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

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
Temperature during read/write access	-25…+85 °C
Temperature outside detection range	-45…+85 °C
Design	Hard tag with thread, BD10x1.5
Diameter	10 mm
Housing material	Plastic, Delrin
Active area material	Plastic, PA6.6, yellow
Tightening torque	≤ 0.56 Nm
Vibration resistance (EN 60068-2-6)	10 g; 10…2000 Hz; 3 axes; 2.5 h
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