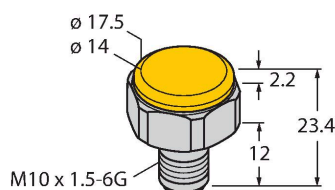


# TW-BD10X1.5-19-B128

## 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
Memory type	EEPROM
Chip	NXP I-Code SLI-X
Memory size	128 Byte
Memory	Read/Write
Freely usable memory	112 Byte
Number of read operations	unlimited
Number of write operations	10 <sup>5</sup>
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

### 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

Continuous shock resistance (EN 60068-2-29)	40 g, 18 ms, 6 axes, 2000 ×
Protection class	IP67 IP69K
Packaging unit	1