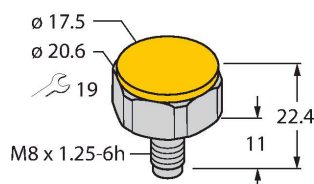


TW-BS8X1.25-19-K9

Tag – HF



Features

- M8 bolt tag with black cap
- FRAM memory 9 kB
- Minimum 300 mounting cycles at 23 Nm
- Not compatible with pneumatic impact tools

Functional principle

The HF read/write heads 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.

The read/write distances mentioned here only represent standard values measured under laboratory conditions and free from any influences caused by 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 read/write on-the-fly!

Technical data

Type	TW-BS8X1.25-19-K9
Ident. no.	7030647
Data transfer	Inductive coupling
Technology	HF (13.56 MHz)
Operating frequency	13.56 MHz
Memory type	FRAM
Chip	Fujitsu MB89R112
Memory	9216 Byte
Memory	Read/Write
Freely usable memory	8192 Byte
Number of read operations	10 ¹²
Number of write operations	10 ¹²
Typical read time	0.5 ms/Byte
Typical write time	0.5 ms/Byte
Radio communication and protocol standards	ISO 15693 NFC Typ 5
Temperature during read/write access	-25...+85 °C
Design	Hard tag with thread, BS8 × 1.25
Housing material	Metal, 1.0718 (AISI 12L14)
Active area material	Plastic, PA6.6, black
Tightening torque	≤ 23 Nm
Vibration resistance (EN 60068-2-6)	10 g; 10...2000 Hz; 3 axis; 2.5 hrs.
Continuous shock resistance (EN 60068-2-29)	40 g; 18 ms; 6 axis; 2000x
Protection class	IP67 / IP69K

Technical data

Packaging unit	1
Remark to product	Threaded tag, can be screwed onto metal