

■ **EEPROM, memory 128 byte**

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 data carrier.

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 data carriers 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!

Type code	TW-BV10X1.5-19-B128
Ident no.	6901385
Data transfer	inductive coupling
Operating frequency	13.56 MHz
Memory type	EEPROM
Chip	NXP I-Code SLI/SL2
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
Ambient temperature	-25...+85 °C
Housing material	metal/plastic, 1.4401/LCP
Material active area	Plastic, yellow, PA
Protection class	IP68
Packaged quantity	1
Special features	data carrier, can be screwed in metal

Compatible handhelds

 A handheld PDA device with a screen displaying a software interface. It is shown with two antennas: a black internal antenna and a yellow external antenna. A small circular antenna component is also visible.	<p>PDA-IDENT 1542344</p> <p>The handheld can be used with two different antennas. Internal antenna, PDA-IDENT-IA, 1542345 External antenna, PDA-IDENT-EA, 1542346</p>	
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