



■ **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-BD10X1.5-19-B128
Ident no.	6901384
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
Minimum distance to metal	Data carrier can be screwed in metal
Ambient temperature	-25...+85 °C
Storage temperature	-45...+85 °C
Construction	BD10x1.5
Housing material	plastic, POM
Material active area	plastic, yellow, POM
IP Rating	IP68
Packaged quantity	1
Special features	data carrier, can be screwed in metal

Compatible handhelds

	<p>PD-IDENT-HF-RWBTA (7030601) Handheld for mobile reading and writing to data carriers. Equipped with WLAN 802.11a/b/g/n and Bluetooth; incl. docking station with power supply, USB cable, and TURCK RFID Software TA-HF.</p>
	<p>PD-IDENT-HF-S2D-RWBTA (7030602) Handheld for mobile reading and writing to data carriers. Equipped with WLAN 802.11a/b/g/n and Bluetooth and 2 D barcode scanner; incl. pistol grip, docking station with power supply, USB cable, and TURCK RFID software TA-HF.</p>
	<p>PD-IDENT-HF-L1D-RBUP-SMART (7030564) Handheld for mobile reading and writing to data carriers. Keyboard functions (HID) for wireless transmission of data via Bluetooth (also to IOS devices) or USB. Barcode 1 D laser scanner and only three buttons for ease of use.</p>