

- 3 different mounting options in/on metal, incl. accessories
- 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.

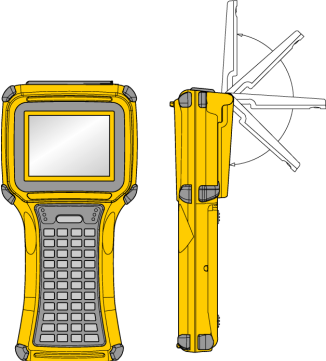

The read/write distances of data carriers suitable for mounting in/on metal were determined in/on metal.

Attainable distances may vary by up to 30 % due to component tolerances, mounting conditions, ambient conditions and material qualities (especially when mounted in metal)

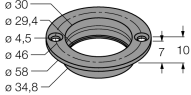
Testing of the application under real operating conditions is therefore essential, especially with read/write on-the-fly!

Type code	TW-R30-M-B128
Ident no.	7030210
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	0 mm
Ambient temperature	-25...+85 °C
Housing material	plastic, PET
Material active area	Plastic, Black, PET
Protection class	IP68
Packaged quantity	1
Special features	for mounting in/on metal

Compatible handhelds

	<p>PD-IDENT (1542331), PD-IDENT-WLAN (1542340) Handheld for mobile reading and writing to data carriers.</p>	
	<p>PD-IDENT-HF-RBTW (7030499), PD-IDENT-HF-RWBTW (7030534), PD-IDENT-HF-S2D-RBTW(7030539), PD-IDENT-HF-S2D-RWBTW (7030560) Handheld for mobile reading and writing to data carriers.</p>	

Accessories

Type code	Ident no.	Description	Dimension drawing
MF-R30	6901150	The flange facilitates mounting of the data carrier TW-R30-M-B128 (-K2) on or in the metal.	 <p>The drawing shows a flange with the following dimensions: - Outer diameter: $\varnothing 30$ - Inner diameter: $\varnothing 29,4$ - Thickness: $\varnothing 4,5$ - Flange thickness: $\varnothing 4,6$ - Hole diameter: $\varnothing 5,8$ - Hole offset from center: $\varnothing 34,8$ - Hole diameter: 7 - Hole offset from edge: 10</p>