

- 3 different mounting options in/on metal, incl. accessories
- FRAM memory 2 kbyte

#### 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.

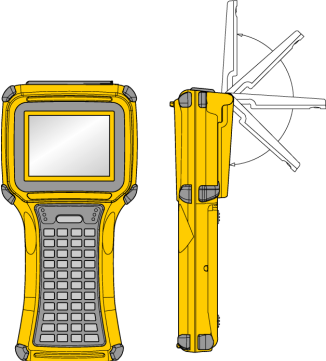

The read/write distances of data carriers suitable for mounting in/on metal were determined in/on metal.

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

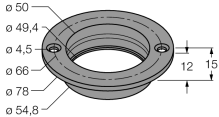
Testing of the application under real operating conditions is therefore essential, especially with read/write on-the-fly!

<b>Type code</b>	TW-R50-M-K2
Ident no.	7030229
<b>Data transfer</b>	inductive coupling
Operating frequency	13.56 MHz
Memory type	FRAM
Chip	Fujitsu MB89R118
Memory	2048 byte
Memory	read/write
Freely usable memory	2000 byte
Number of read operations	unlimited
Number of write operations	10 <sup>10</sup>
Typical read time	0.5 ms/byte
Typical write time	0.5 ms/byte
Radio communication and protocol standards	ISO 15693
<b>Minimum distance to metal</b>	0 mm
Ambient temperature	-25...+85 °C
<b>Housing material</b>	plastic, PET
Material active area	Plastic, Black, PET
Protection class	IP68
<b>Packaged quantity</b>	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-R50	6901151	The flange facilitates mounting of the data carrier TW-R50-M-B128 (-K2) on or in the metal.	 <p>The drawing shows a flange with the following dimensions:          - Outer diameter: <math>\varnothing 50</math>          - Inner diameter: <math>\varnothing 49,4</math>          - Flange thickness: <math>4,5</math>          - Outer diameter of the mounting ring: <math>\varnothing 66</math>          - Inner diameter of the mounting ring: <math>\varnothing 78</math>          - Outer diameter of the mounting ring: <math>\varnothing 54,8</math>          - Mounting ring thickness: <math>12</math>          - Mounting ring height: <math>15</math></p>