



- EEPROM, memory 112 byte
- TID serial number: 8 byte
- Flexible design, for mounting on curved or irregular surfaces

**Functional principle**

The UHF read/write heads form an air interface the size of which may vary, 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.

Attainable distances may vary 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>	TW860-960-Q25L77-B-B112
Ident no.	7030458
<b>Data transfer</b>	alternating electromagnetic field
Operating frequency	860...960 MHz
Memory type	EEPROM
Chip	Alien Higgs 3
Memory	112 byte
Memory	read/write
Freely usable memory	64 byte
EPC memory	12 byte
Number of read operations	unlimited
Number of write operations	10 <sup>5</sup>
Typical read time	2 ms/byte
Typical write time	3 ms/byte
Radio communication and protocol standards	ISO 18000-6C EPCglobal Gen 2
<b>Minimum distance to metal</b>	20 mm
Ambient temperature	-40...+70 °C
<b>Housing length</b>	77 mm mm
Housing width	25 mm mm
Housing height	3 mm mm
Housing material	plastic, TPE
Material active area	Plastic, green, TPE
Vibration resistance (EN 60068-2-6)	10 g; 10...2000 Hz; 3 axes; 2.5 hrs.
Continuous shock resistance (EN 60068-2-29)	40 g, 18 ms, 6 axes, 2000x
Bending radius (flexible use)	> 300 x Ø
Protection class	IP67
<b>Packaged quantity</b>	1