

- 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!

Type code	TW860-960-Q25L77-B-B112
Ident no.	7030458

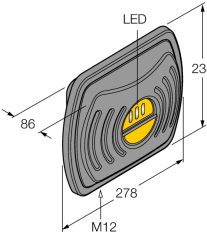
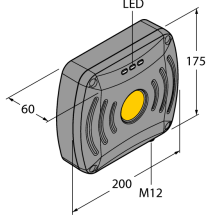
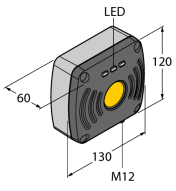
Data transfer	alternating electromagnetic field
Operating frequency	860...960 MHz
Memory type	EEPROM
Chip	Alien Higgs 3
Memory	112 byte
Memory	read/write
Freely usable memory	64 byte
EPC memory	12 byte
Number of read operations	unlimited
Number of write operations	10 ⁵
Typical read time	2 ms/byte
Typical write time	3 ms/byte
Radio communication and protocol standards	ISO 18000-6C EPCglobal Gen 2

Minimum distance to metal	20 mm
Ambient temperature	-40...+70 °C
Storage temperature	-40...+70 °C

Housing length	77 mm
Housing width	25 mm
Housing height	3 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
IP Rating	IP67

Packaged quantity	1
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Read/write heads

Dimensions	Type designation	Max. read distance [m]	
	Ident - no.	air	On metal
	TN865-Q240L280-H1147 7030295 TN902/915-Q240L280-H1147 7030465		
	TN865-Q175L200-H1147 7030452 TN902-Q175L200-H1147 7030457 TN840/920-Q175L200-H1147 7030466 TN917-Q175L200-H1147 7030513	5.5 5.2 5.2 5.2	
	TN865-Q120L130-H1147 7030520 TN902-Q120L130-H1147 7030535 TN840/920-Q120L130-H1147 7030536 TN917-Q120L130-H1147 7030537	3.9 3.7	