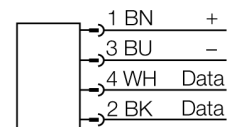


- Rectangular, height 86 mm
- Active face in front
- Plastic, ABS
- Incl. mounting bracket with clip
- Every read/write head can communicate with a number of different TURCK data carriers.
- Powered and operated only via BL ident interface module
- Male M12 x 1, only for use with BL ident extension cable

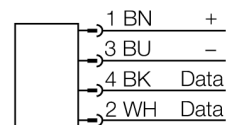
Connectors .../S2503



Connectors .../S2500



Connectors .../S2501



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 used.

The read/write distances mentioned here only represent standard values measured under laboratory conditions, free from any influences caused by surrounding materials.

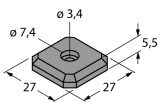
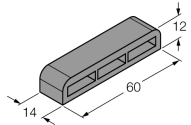
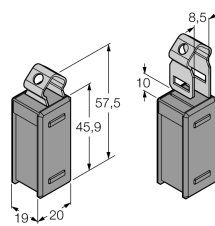
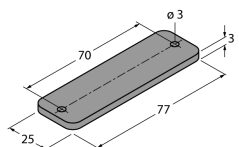
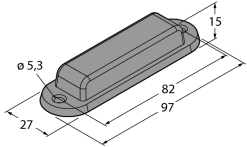
Attainable distances may vary due to component tolerances, mounting conditions, ambient conditions and material qualities, especially when mounted in metal.

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

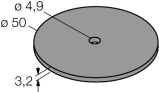
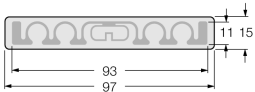
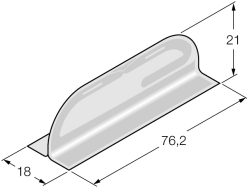
Because of the higher energy needs of the transponder on a write, the distance is reduced to approximately 40-60% of the reading range.

Type code	TN902/915-Q240L280-H1147
Ident no.	7030465
Mounting condition	non-flush
Ambient temperature	-20...+50 °C
Operating voltage	12...24VDC
DC rated operational current	≤ 834 mA
Data transfer	alternating electromagnetic field
Operating frequency	902...907.5 + 915...928 MHz
Radio communication and protocol standards	ISO 18000-6C EPCglobal Gen 2
Output power	2.62 W (EIRP), adjustable
Antenna polarization	circular/linear, adjustable
Antenna HPBW	70°
Read/write distance max.	4000 mm
Output function	4-wire, read/write
Design	rectangular
Dimensions	278x 238x 86mm
Housing material	Aluminium, AL, silver
Material active face	Plastic, ABS, silver
Connection	male, M12 x 1
Vibration resistance	55 Hz (1 mm)
Shock resistance	30 g (11 ms)
Protection class	IP65
MTTF	120 years acc. to SN 29500 (Ed. 99) 40 °C
Operating voltage	LED green / yellow / red
Diagnostic display	different settings

Data carrier

Dimensions	Type designation	Max. read distance [m]	
		air	On metal
	TW902-928-Q27-M-B112 7030406		
	TW902-928-Q14L60-M-B110 7030408		
	TW865-928-Q20L58-B110 7030375		
	TW860-960-Q25L77-B-B112 7030458		
	TW860-960-Q27L97-M-B112 7030464		

Data carrier

Dimensions	Type designation Ident - no.	Max. read distance [m]	
		air	On metal
	TW902-928-R50-B110 7030404		
	TW860-960-L97-15-F-B44 7030524		
	TW865-928-L76-18-21-F-M-B110 7030380		

Accessories

Type code	Ident no.	Description	Dimension drawing
RH-Q240L280/ Q280L640	7030296	Arm bracket for UHF RFID read/write heads TNxxx-Q175L200-H1147, TNxxx-Q240L280-H1147 and TNxxx-Q280L640-H1147	