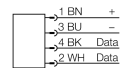


- Rectangular, height 86 mm
- Active face in front
- Plastic, ABS
- Incl. mounting bracket with clip
- Every read/write head can communicate with a number of different TURCK data carriers.
- Powered and operated only via BL ident interface module
- Male M12 x 1, only for use with BL ident extension cable

Connectors .../S2500



Type code	TN902-Q240L280-H1147
Ident no.	7030304
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...928 MHz
Radio communication and protocol standards	ISO 18000-6C EPCglobal Gen 2
Channel spacing	500 kHz
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 area	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
Power-on indication	LED green / yellow / red
Diagnostic display	different settings
Packaged quantity	1

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.

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	