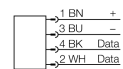


- Rectangular, height 60 mm
- Active face in front
- Plastic, ABS
- Every read/write head can communicate with a number of different TURCK data carriers.
- Powered and operated only via BL ident interface module
- Male M12 x 1, only for use with BL ident extension cable

Connectors .../S2500



| | |
|--|--|
| Type code | TN865-Q175L200-H1147 |
| Ident no. | 7030452 |
| Mounting condition | non-flush |
| Ambient temperature | -25...+50 °C |
| Operating voltage | 12...24VDC |
| DC rated operational current | ≤ 1000 mA |
| Data transfer | alternating electromagnetic field |
| Operating frequency | 865...868 MHz |
| Radio communication and protocol standards | ISO 18000-6C EN 302208 EPCglobal Gen 2 |
| Channel spacing | 200 kHz |
| Output power | 1 W (ERP), adjustable |
| Antenna polarization | RHCP |
| Antenna HPBW | 90° |
| Read/write distance max. | 4000 mm |
| Output function | 4-wire, read/write |
| Design | rectangular |
| Dimensions | 200x 175x 60mm |
| Housing material | aluminium, AL, silver |
| Material active area | Plastic, ABS, Black |
| Connection | male, M12 x 1 |
| Vibration resistance | 55 Hz (1 mm) |
| Shock resistance | 30 g (11 ms) |
| Protection class | IP67 |
| MTTF | 51 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.

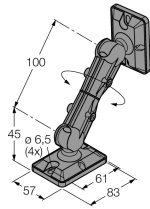
The read/write distances mentioned here only represent standard values measured under laboratory conditions, free from any influences caused by surrounding materials.

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 |  |