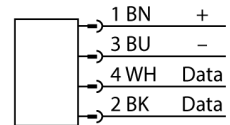


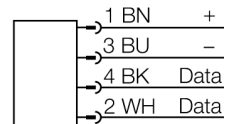
.../S2503 Connectors



Connector .../S2500



Connector .../S2501



| | |
|-------------------------|----------------------|
| Type designation | TN866-Q120L130-H1147 |
| Ident-No. | 7030671 |

| | |
|--|-----------------------------------|
| Electrical data | |
| Operating voltage | 12...24 VDC |
| DC rated operational current | ≤ 1000 mA |
| Data transfer | Alternating electromagnetic field |
| Technology | UHF (860...960 MHz) |
| Usage region (UHF) | Russia (866...868 MHz) |
| Radio communication and protocol standards | ISO 18000-63 EPCglobal Gen 2 |
| Channel spacing | 200 kHz |
| Output power | ≤ 0.5 W (ERP), adjustable |
| Antenna polarization | RHCP |
| Antenna HPBW | 110° |
| Output function | 4-wire, Read/Write |
| Fieldbus Protocol | Connection to RFID interface |

| | |
|------------------------|------------------------|
| Mechanical data | |
| Mounting conditions | Non-flush |
| Ambient temperature | -20...+50 °C |
| Design | Rectangular |
| Dimensions | 130x 120x 60mm |
| Housing material | Aluminium, AL, Silver |
| Active area material | Plastic, ABS, black |
| Vibration resistance | 55 Hz (1 mm) |
| Shock resistance | 30 g (11 ms) |
| Protection class | IP67 |
| Electrical connection | Connector, M12 × 1 |
| Power-on indication | LED, Green |
| Diagnostic display | differently adjustable |

| | |
|-----------------------|---|
| Packaging unit | 1 |
|-----------------------|---|

Functional principle

The UHF read/write heads form a transmission zone, the size of which may vary depending on the combination of read/write head and tag used.

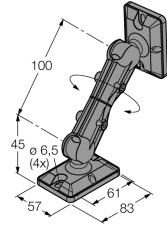
The read/write distances only represent standard values measured under laboratory conditions, free from any influences caused by surrounding materials.

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 on-the-fly reading and writing!

Due to the higher energy needs of the transponder for a write operation, the range 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 |  |