



○ = pinning

All dimensions are in mm

**Documents**

|                       |             |
|-----------------------|-------------|
| Interface             | RN_121-01   |
| Panel piercing        | MB_633      |
| Pinning               | RN_143-01   |
| Tape & reel packaging | VG375.22500 |

**Material and plating**

**Connector parts**

|                |                          |  |
|----------------|--------------------------|--|
| Signal contact | <b>Material</b><br>Brass | <b>Plating / Colour</b><br>Gold, min. 0.12 µm, over Nickel (Interface) |
| Outer contact  | Zinc alloy               | Tin, min. 3 µm, over Nickel (PCB)                                      |
| Dielectric     | LCP                      | Tin, min. 3 µm, over Nickel  |
| Housing        | HTN                      | nature   |
|                |                          | see section "Coding"   |

**Electrical data**

|                           |   |
|---------------------------|---|
| Impedance                 | 100 Ω   |
| Frequency                 | DC to 10 GHz  |
| Return loss               | ≥ 30 dB, 0.01 GHz to 3 GHz<br>≥ 25 dB, 3 GHz to 6 GHz<br>≥ 20 dB, 6 GHz to 10 GHz |
| Insulation resistance     | ≥ 100 MΩ  |
| Signal contact resistance | ≤ 10 mΩ   |
| Outer contact resistance  | ≤ 7.5 mΩ  |
| Working voltage           | ≤ 60 V DC   |
| Power current             | ≤ 1.5 A DC  |

*Connector only, electrical data in application depends decisively on PCB layout*

**Mechanical data**

|                       |         |
|-----------------------|---------|
| Mating cycles         | min. 25 |
| Engagement force      | ≤ 20 N  |
| Retention force latch | ≥ 110 N |
| Coding efficiency     | ≥ 150 N |
| Weight                | 4.5 g   |

**Environmental data**

|                   |   |
|-------------------|---|
| Temperature range | -40 °C to +105 °C                             |
| Thermal shock     | DIN EN 60068-2-14                             |
| Humidity          | DIN EN 60068-2-30 @ +40 °C                    |
| Dry heat          | DIN EN 60068-2-2 @ +105 °C                    |
| Vibration         | DIN EN 60068-2-64                             |
| Mechanical shock  | DIN EN 60068-2-27                             |
| Soldering profile | DIN EN 60068-2-58; Group 3 (250 °C / 30 sec.) |
| RoHS              | compliant                                     |

**Packing**

|          |                        |
|----------|------------------------|
| Standard | 225 pcs in tape & reel |
|----------|------------------------|

Dieses Dokument ist urheberrechtlich geschützt • This document is protected by copyright • Rosenberger Hochfrequenztechnik GmbH & Co. KG

RF\_35/09.14/6.2