



All dimensions are in mm; tolerances according to ISO 2768 m-H

**Interface**

According to IEC 60169-15, EN 122110, MIL-STD-348A, Fig. 310

**Documents**

Assembly instruction 32 B8

**Material and plating**

**Connector parts**

|                  |                         |   |
|------------------|-------------------------|---|
| Center contact   | <b>Material</b><br>CuBe | <b>Plating</b><br>AuroDur®, gold plated |
| Outer contact    | CuBe or equiv.          | AuroDur®, gold plated                   |
| Dielectric       | PTFE                    |   |
| Crimping ferrule | Copper                  | Gold, 0.1 µm                            |

**Electrical data**

|  |   |
|--|---|
| Impedance                                      | 50 Ω  |
| Frequency                                      | DC to 12.4 GHz  |
| VSWR   | ≤ 1.04, DC to 1 GHz<br>≤ 1.05, 1 to 2.5 GHz<br>≤ 1.20, 2.5 to 5 GHz |
| Insertion loss                                 | ≤ 0.03 x √f(GHz) dB, DC to 5 GHz                                    |
| Insulation resistance                          | ≥ 5 x10 <sup>3</sup> MΩ   |
| Center contact resistance                      | ≤ 3 mΩ  |
| Outer contact resistance                       | ≤ 2 mΩ  |
| Test voltage                                   | 1000 V rms  |
| Working voltage                                | 480 V rms   |
| Power handling (at 20 °C, sea level, VSWR 1.0) | ≤ 200 W @ 2 GHz   |
| RF-leakage                                     | ≥ 100 dB up to 1 GHz  |

- Limitations are possible due to the used cable type -

**Mechanical data**

|                                   |                  |
|-----------------------------------|------------------|
| Mating cycles                     | min. 500         |
| Center contact captivation: axial | ≥ 27 N           |
| Coupling test torque              | max. 1.7 Nm      |
| Recommended torque                | 0.8 Nm to 1.1 Nm |

**Environmental data**

|                     |                                 |
|---------------------|---------------------------------|
| Temperature range   | -55°C to +155°C                 |
| Thermal shock       | MIL-STD-202, Meth. 107, Cond. B |
| Corrosion           | MIL-STD-202, Meth. 101, Cond. B |
| Vibration           | MIL-STD-202, Meth. 204, Cond. D |
| Shock               | MIL-STD-202, Meth. 213, Cond. I |
| Moisture resistance | MIL-STD-202, Meth. 106          |
| RoHS                | compliant                       |

**Tooling**

|               |            |
|---------------|------------|
| Crimping tool | 11W150-000 |
| Crimp insert  | 11W150-108 |

**Suitable cables**

RG 141 /U, RG 58 C/U

**Weight**

|        |            |
|--------|------------|
| Weight | 4.36 g/pce |
|--------|------------|

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For the installation of the electrotechnical equipment, particular electrotechnical expertise is required.



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|-----------|----------|-------------|----------|------|---------------------------|----------------|----------|
| Draft     | Date     | Approved    | Date     | Rev. | Engineering change number | Name           | Date     |
| Rong Fang | 15.03.04 | Chr. Janßen | 04.11.20 | g00  | 20-1927                   | S. Huber-Siegl | 04.11.20 |

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