



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

**Interface**

According to EN 122 170, IEC 60169-19

**Documents**

Assembly instruction 35 B

**Material and plating**

**Connector parts**

|                  | <b>Material</b>  | <b>Plating</b>                       |
|------------------|------------------|--------------------------------------|
| Center contact   | Beryllium copper | Gold, min. 1.27 $\mu$ m, over nickel |
| Outer contact    | Beryllium copper | Gold, min. 0.8 $\mu$ m, over nickel  |
| Dielectric       | PTFE             |                                      |
| Crimping ferrule | Brass            | Gold, 0.1 $\mu$ m min.               |

**Electrical data**

|                           |   |
|---------------------------|---|
| Impedance                 | 50 Ω  |
| Frequency                 | DC to 3 GHz                                 |
| Return loss               | ≥ 20 dB, DC to 1 GHz<br>≥ 15 dB, 1 to 2 GHz |
| Insertion loss            | ≤ 0.1 x √f(GHz) dB, DC to 2 GHz             |
| Insulation resistance     | ≥ 1x10 <sup>3</sup> MΩ                      |
| Center contact resistance | ≤ 5 mΩ                                      |
| Outer contact resistance  | ≤ 2.5 mΩ                                    |
| Test voltage              | 500 V rms                                   |
| Working voltage           | 175 V rms                                   |
| RF-leakage                | ≥ 40 dB up to 1 GHz                         |

- Limitations are possible due to the used cable type -

**Mechanical data**

|                                |             |
|--------------------------------|-------------|
| Mating cycles                  | ≥ 500       |
| Center contact captivation     | ≥ 8 N       |
| Engaging and disengaging force | 8 N to 27 N |

**Environmental data**

|                   |   |                                     |
|-------------------|---|-------------------------------------|
| Temperature range | -55°C to +155°C   |                                     |
| Climatic class    | IEC 60068-2-1 55/155/21<br>IEC 60068-2-2<br>IEC 60068-2-3 |                                     |
| Vibration         | IEC 60068-2-6   | 10 Hz to 500 Hz, 98m/s <sup>2</sup> |

**Tooling**

|               |            |
|---------------|------------|
| Crimping tool | 11W150-000 |
| Crimp insert  | 11W150-101 |

**Suitable cables**

RG 196 A/U, RG 178 B/U,

**Packing**

|          |              |
|----------|--------------|
| Standard | 1 pce in bag |
| Weight   | 1.3 g/pce    |

While the information has been carefully compiled to the best of our knowledge, nothing is intended as representation or warranty on our part and no statement herein shall be construed as recommendation to infringe existing patents. In the effort to improve our products, we reserve the right to make changes judged to be necessary.

| Draft  | Date     | Approved  | Date     | Rev. | Engineering change number  | Name          | Date          |
|--|----------|-----------|----------|------|--|---------------|---------------|
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