



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

Interface
According to DIN 72594-1

Documents
Assembly instruction MA_59V058

| Material and plating | | |
|-----------------------------|-----------------|--------------------------------|
| Connector parts | Material | Plating |
| Center contact | Spring bronze | Gold, min. 0.8 µm, over nickel |
| Outer contact | Brass | Nickel, 3-6 µm |
| Dielectric | PA 12 | |
| Crimping ferrule | Copper | Nickel, 2.5-5 µm |

Electrical data

| | |
|---------------------------|--|
| Impedance | 50 Ω |
| Frequency | DC to 6 GHz |
| Return loss | ≥ 30 dB, DC to 1 GHz ≥ 24 dB, DC to 3 GHz ≥ 15 dB, DC to 6 GHz |
| Insertion loss | ≤ 0.1 x √f(GHz) dB |
| Insulation resistance | ≥ 1x10 ³ MΩ |
| Center contact resistance | ≤ 5 mΩ |
| Outer contact resistance | ≤ 5 mΩ |
| Test voltage | 750 V rms |
| Working voltage | 335 V rms |
| Power current | ≤ 1 A DC |
| RF-leakage | ≥ 65 dB up to 1 GHz |

- Limitations are possible due to the used cable type -

Mechanical data

| | |
|---------------------|--------|
| Mating cycles | ≥ 25 |
| Engagement force | ≤ 25 N |
| Disengagement force | ≥ 2 N |

Environmental data

| | |
|--------------------------------|------------------------|
| Temperature range | -40°C to +105°C |
| Thermal shock | DIN 72594-2 clause 6.2 |
| Temperature and humidity | DIN 72594-2 clause 6.3 |
| Vibration and mechanical shock | DIN 72594-2 clause 6.1 |
| Dry heat | DIN 72594-2 clause 6.4 |
| 2002/95/EC (RoHS) | compliant |

- Limitations are possible due to the used cable type -

Tooling

| | |
|---|------------|
| Crimping tool | 11W150-000 |
| Crimp insert outer contact | 11W150-302 |
| Crimping tool - Incl. Crimp insert center contact | 11W161-800 |

Suitable cables

| | |
|------------|----------------|
| Cable type | RG 174; RG 316 |
|------------|----------------|

Packing

| | |
|----------|--|
| Standard | 10 / 500 / 5.000 / 20.000 pcs in box; center contact on reel |
| Weight | 2.0 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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