



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

Interface

According to IEC 60169-4, VG 95250, EN 122190, DIN 47223

Documents

Assembly instruction 53 04

Material and plating

Connector parts

Center contact
Outer contact
Body
Dielectric
Crimping ferrule

Material

Spring bronze
Brass
Brass
PTFE
Copper

Plating

Silver, 3-6 µm
Flash white bronze over silver(e.g. Optargen®)
Flash white bronze over silver(e.g. Optargen®)
Flash white bronze over silver(e.g. Optargen®)

Electrical data

| | |
|--|--|
| Impedance | 50 Ω |
| Frequency | DC to 8.3 GHz |
| Return loss | ≥ 32 dB, DC to 2.5 GHz ≥ 29 dB, 2.5 to 3 GHz ≥ 23 dB, 3 to 5 GHz |
| Insertion loss | ≤ 0.05 dB |
| Insulation resistance | ≥ 10 ⁴ MΩ |
| Center contact resistance | ≤ 0.4 mΩ |
| Outer contact resistance | ≤ 1.5 mΩ |
| Test voltage (at sea level) | 4000 V rms, 50 Hz |
| Working voltage (at sea level) | 2700 V rms, 50 Hz |
| Power handling (at 20 °C, sea level, VSWR 1.0) | 1800 W @ 1 GHz 800 W @ 4 GHz |
| RF-leakage | ≥ 128 dB up to 1 GHz |

- Limitations are possible due to the used cable type -

Mechanical data

| | |
|-----------------------------------|-------------|
| Mating cycles | min. 500 |
| Center contact captivation: axial | ≥ 200 N |
| radial | ≥ 2 Ncm |
| Coupling torque (recommended) | 25 to 30 Nm |
| Proof torque | max. 35 Nm |

Environmental data

| | |
|-----------------------------|--|
| Temperature range | -45°C to +85°C |
| Rapid change of temperature | DIN EN 122190, clause 4.6.7 |
| Corrosion salt mist | DIN EN 122190, clause 4.6.10 |
| Vibration | DIN EN 122190, clause 4.6.3 |
| Damp heat | DIN EN 122190, clause 4.6.6 |
| Climatic tests | DIN EN 122190, clause 4.6.5 (45/85/56) |
| 2002/95/EC (RoHS) | compliant |

Tooling

| | |
|---------------|------------|
| Crimping tool | 11W150-000 |
| Crimp insert | 11W150-215 |

Suitable cables

RG 213 /U

Packing

| | |
|----------|---------------|
| Standard | 20 pcs in box |
| Weight | 79.2 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 |
|--|----------|------------------|----------|--|---------------------------|---------------|---------------|
| Inge Mühlauer | 29/06/04 | Krautenbacher J. | 29/09/06 | c00 | 06-0658 | S. Mühlbacher | 28/09/06 |
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