



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

Interface

According to CECC 22 240

Documents

Assembly instruction 88 02

Material and plating

Connector parts

| | Material | Plating |
|------------------|------------------|---------------------------------|
| Center contact | Brass | Gold, min. 1.27 µm, over nickel |
| Outer contact | Beryllium copper | Gold, min. 1.27 µm, over nickel |
| Body | Brass | Nickel, 2.5-5 µm |
| Coupling nut | Brass | Nickel, 2.5-5 µm |
| Dielectric | PTFE | |
| Dielectric | LCP | |
| Crimping ferrule | Copper | Nickel, 2.5-5 µm |

Electrical data

| | |
|---------------------------|--|
| Impedance | 75 Ω |
| Frequency | DC to 12 GHz |
| Return loss | ≥ 35 dB, DC to 1 GHz ≥ 27 dB, 1 to 2 GHz ≥ 20 dB, 2 to 8 GHz ≥ 15 dB, 8 to 12 GHz |
| Insertion loss | ≤ 0.1 dB, DC to 8 GHz |
| Insulation resistance | ≥ 10x10 ³ MΩ |
| Center contact resistance | ≤ 4 mΩ |
| Outer contact resistance | ≤ 2 mΩ |
| Test voltage | 1000 V rms |
| Working voltage | 330 V rms |
| RF-leakage | ≥ 90 dB up to 1 GHz (slide-on) ≥ 100 dB up to 1 GHz (screw version) |

- Limitations are possible due to the used cable type -

Mechanical data

| | |
|------------------------------------|---|
| Mating cycles | ≥ 500 |
| Engaging and disengaging force | 2.2 N to 12 N (screw-on, slide-on) 18 N to 50 N (quick-lock) |
| Center contact captivation | ≥ 30 N |
| Coupling mechanism retention force | ≥ 300 N (screw version, quick-lock) |

Environmental data

| | | |
|-------------------|--|---------------------------------------|
| Temperature range | -40°C to +85°C | |
| Climatic class | IEC 60068-2-1 40/85/21 IEC 60068-2-2 IEC 60068-2-3 | |
| Vibration | IEC 60068-2-6 | 10 Hz to 2000 Hz, 100m/s ² |

Tooling

| | |
|---------------|------------|
| Crimping tool | 11W150-000 |
| Crimp insert | 11W150-504 |

Suitable cables

TZC 75025

Packing

| | |
|----------|--|
| Standard | 1 pce in bag (S0001S) 100 pcs in bag (B0100S) |
| Weight | 7.8 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 | 30/08/04 | Rong Fang | 24/11/05 | b00 | 05-0567 | Inge Mühlauer | 24/11/05 |
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