



All dimensions are in mm; tolerances according to ISO 2768 m-H
 Y = Part number has to be accomplished by codification

Interface

According to DIN 72594-1, USCAR 17

Documents

Assembly instruction MA_59V056

Material and plating

Connector parts

- Center contact
- Outer contact
- Dielectric
- Crimping ferrule
- Lock washer
- Housing

Material

- Spring bronze
- Brass
- PA 12
- Copper
- Steel
- PBT

Plating

- Gold, min. 0.8 µm, over chemical nickel
- Nickel, 3-6 µm
- Nickel, 2.5-5 µm

Electrical data

| | |
|---------------------------|------------------------|
| Impedance | 50 Ω * |
| Frequency | DC to 1 GHz |
| Return loss | ≥ N/A |
| 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 - * Interface only

Mechanical data

| | |
|------------------------------|---------|
| Mating cycles | ≥ 25 |
| Engagement force | ≤ 25 N |
| Disengagement force | ≥ 2 N |
| Retention force latch | ≥ 110 N |
| Retention force primary lock | ≥ 110 N |
| Coding efficiency | ≥ 40 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 the used cable type -

Tooling

| | |
|--|------------|
| Crimping tool | 11W150-000 |
| Crimp insert outer contact | 11W150-109 |
| Crimping tool - | |
| Incl. Crimp insert center contact RG59 | 11W161-800 |
| Crimping tool - | |
| Incl. Crimp insert center contact RG62 | 11W161-809 |

Suitable cables

| | |
|------------|------------------------------------|
| Cable type | RG 62 CommScope RG 59 CommScope |
|------------|------------------------------------|

Packing

| | |
|----------|-----------------------------|
| Standard | 500, 5000, 20000 pcs in box |
| Weight | 4.26 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 |
|--|----------|----------|----------|--|---------------------------|---------------|---------------|
| Denis Oberhöller | 20/04/06 | Höfling | 10.07.09 | f00 | 09-0461 | M. Singhammer | 06/07/09 |
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