



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

- Center contact
- Outer contact
- Dielectric
- Crimping ferrule

Material

- Brass
- Brass
- PA 12
- Copper

Plating

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

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
Crimp tool with insert for the center contact	11W161-800

Suitable cables

Cable type	B-61-1.87-2.9
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Packing

Standard	10 / 500 / 5.000 / 20.000 pcs in box; center contact on reel
Weight	1.86 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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