



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

Interface

According to IEC 61169-50

Documents

Assembly instruction 28 E

Material and plating

Connector parts

Center contact	Brass
Outer contact	Spring bronze
Body	Brass
Dielectric	PTFE
Unlocking sleeve	Brass
Crimping ferrule	Copper
Gasket	VMQ
Heat shrinkable tubing	Polyolefin

Plating

AuroDur®, gold plated
White bronze(e.g. Optalloy®)
White bronze(e.g. Optalloy®)
White bronze(e.g. Optalloy®)
Flash white bronze over silver(e.g. Optargen®)

Electrical data

Impedance	50 Ω
Frequency	DC to 18 GHz
Return Loss	≥ 27 dB, DC to 3 GHz ≥ 25 dB, 3 to 4 GHz ≥ 23 dB, 4 to 6 GHz
Insertion loss	≤ 0.05 x √f(GHz) dB, DC to 6 GHz
Insulation resistance	≥ 5 x10 ³ MΩ
Center contact resistance	≤ 3 mΩ
Outer contact resistance	≤ 2.5 mΩ
Test voltage, at sea level, 50Hz	750 V rms
Working voltage, at sea level, 50Hz	350 V rms
RF-leakage	≥ 95 dB up to 2 GHz ≥ 80 dB up to 4 GHz ≥ 70 dB up to 6 GHz

- Limitations are possible due to the used cable type -

Mechanical data

Mating cycles	min. 100
Center contact captivation: axial	≥ 20 N
Engagement force	typ. 25 N
Disengagement force	typ. 20 N
Retention force for interface	60 N min.

Environmental data

Temperature range	-40°C to +85°C
Storage temperature	-40°C to +85°C
Thermal shock	IEC 60169-1 16.4 (-40 / +85°C)
Corrosion	IEC 60169-1 16.7 (48 hrs)
Vibration	IEC 60068-2-64 random
Damp heat, steady state	IEC 60169-1 16.3 (96 hrs)
RoHS	compliant
Degree of protection	IP 68, mated condition

Tooling

Crimping tool	11W150-000
Crimp insert	11W150-402

Suitable cables

RG 316 /U, RG 174 A/U, RG 188 A/U

Weight

Weight	5.1 g/pce
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For the installation of the electrotechnical equipment, particular electrotechnical expertise is required.



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