



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

Interface

According to

IEC 61169-4, EN 122190, DIN 47223

Documents

Assembly instruction

60H15

Material and plating

Connector parts

- Center contact
- Outer contact
- Body
- Dielectric
- Crimping ferrule

Material

- Brass
- 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®)
- Silicone
- Flash white bronze over silver(e.g. Optargen®)

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RF_35/05.10/6.0

Electrical data

Impedance	50 Ω
Frequency	DC to 7.5 GHz
Return loss	≥ 36 dB @ DC to 1 GHz ≥ 32 dB @ 1 GHz to 2.2 GHz ≥ 19 dB @ 2.2 GHz to 4 GHz
Insertion loss	≤ 0.1 x √f [GHz] dB
Insulation resistance	≥ 10 GΩ
Center contact resistance	≤ 0.4 mΩ
Outer contact resistance	≤ 1.5 mΩ
Working voltage (at sea level)	500 V rms
Power handling (at 20 °C, sea level, VSWR 1.0)	1800 W @ 1 GHz 800 W @ 4 GHz
RF-leakage	≥ 128 dB @ DC to 1 GHz

Mechanical data

Mating cycles	≥ 500
Coupling nut retention	≥ 1000 N
Center contact captivation: axial	≥ 200 N
radial	≥ 2 Ncm
Coupling torque (recommended)	25 to 30 Nm
Proof torque	≤ 35 Nm

Environmental data

Temperature range	-55 °C to +155 °C
Rapid change of temperature	DIN EN 122190, Sub-clause 4.6.7
Corrosion resistance	DIN EN 122190, Sub-clause 4.6.10
Vibration	DIN EN 122190, Sub-clause 4.6.3
Climatic category	DIN EN 122190, Sub-clause 4.6.5 (55/155/56)
Damp heat	DIN EN 122190 , Sub-clause 4.6.6
RoHS	compliant

Tooling

Crimping tool	11W150-000
Crimp insert	11W150-115

Suitable cables

RG 213 /U

Weight

Weight	125 g/pce
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Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date
Wimmer Martin	22/12/11	J_Gramsamer	07.04.15	c00	15-0397	J_Krautenb.	07.04.15