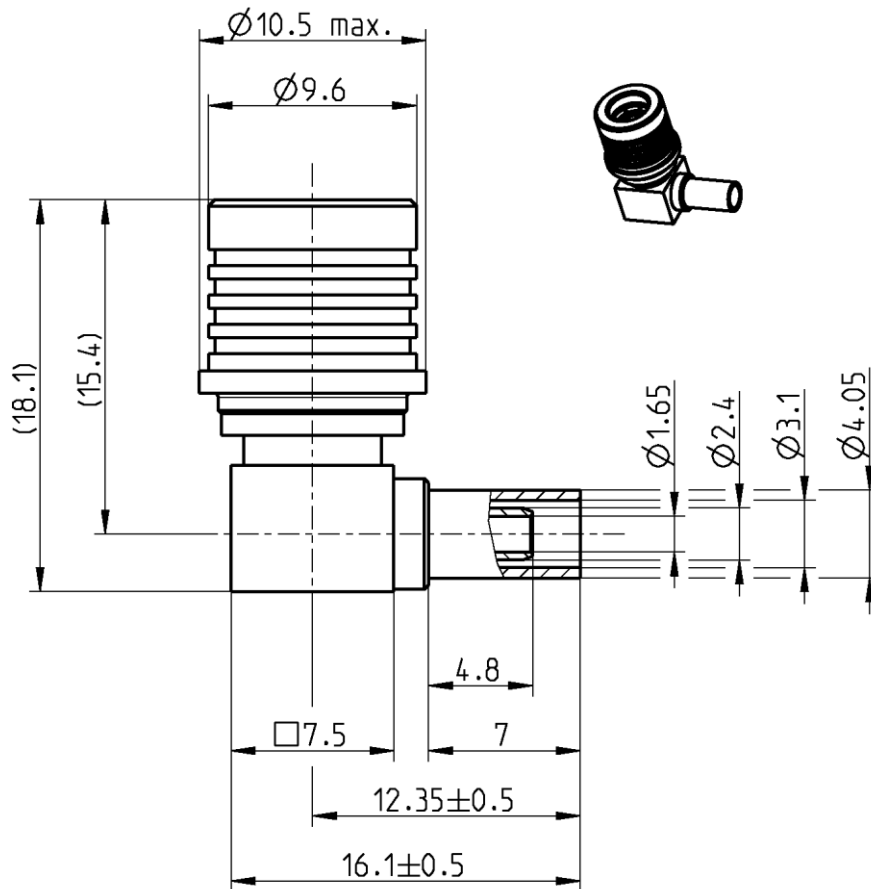




All dimensions are in mm; tolerances according to ISO 2768 m-H

Interface

According to IEC 61169-50

Documents

Assembly instruction 28 B

Material and plating

Connector parts

Center contact	Brass
Outer contact	Spring bronze
Body	Brass
Dielectric	PTFE
Unlocking sleeve	Brass
Crimping ferrule	Copper

Plating

AuroDur®, gold plated
White bronze(e.g. Optalloy®)
Flash white bronze over silver(e.g. Optargen®)
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	≥ 26 dB, DC to 3 GHz ≥ 24 dB, 3 to 4 GHz ≥ 18 dB, 4 to 6 GHz
Insertion loss	≤ 0.05 x $\sqrt{f(\text{GHz})}$ 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

Tooling

Crimping tool	11W150-000
Crimp insert	11W150-102

Suitable cables

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

Weight

Weight	6.9 g/pce
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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.

For the installation of the electrotechnical equipment, particular electrotechnical expertise is required.



Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date
Inge Mühlauer	05.10.04	Chr. Janßen	03.11.20	h00	20-1927	S. Huber-Siegl	03.11.20

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