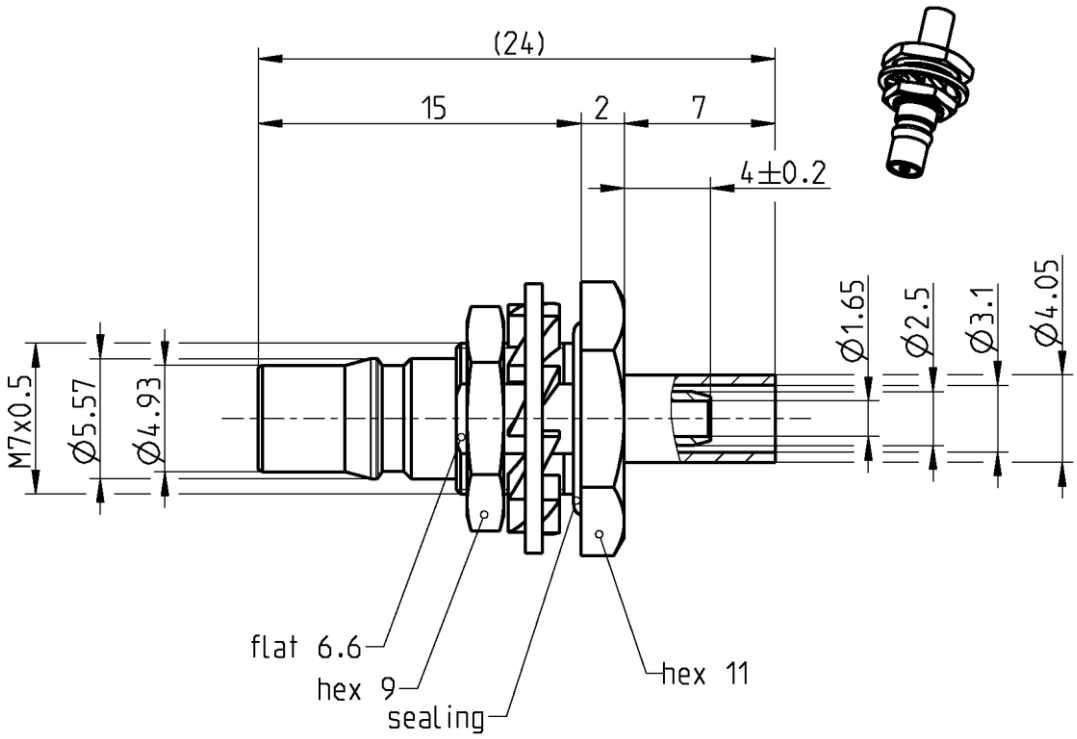
Technical Data Sheet		Rosenberger
QMA	Bulkhead Jack	**28K607-302N5**



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

Interface

According to	IEC 61169-50

Documents

Assembly instruction	28 D
Panel piercing	B 57

Material and plating

Connector parts	**Material**	**Plating**
Center contact	CuBe	AuroDur®, gold plated
Outer contact	Brass	White bronze(e.g. Optalloy®)
Body	Brass	White bronze(e.g. Optalloy®)
Dielectric	PTFE	
Crimping ferrule	Copper	Flash white bronze over silver(e.g. Optargen®)
Gasket	Silicone	

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Electrical data

Impedance	50 Ω
Frequency	DC to 18 GHz
Return loss	≥ 30 dB, DC to 3 GHz ≥ 26 dB, 3 to 6 GHz
Insertion loss	≤ 0.05 x $\sqrt{f(GHz)}$ 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

Tooling

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

Suitable cables

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

Weight

Weight	5.0 g/pce

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

Draft	Date	Approved	Date
Inge Mühlauer	07.03.05	Chr. Janßen	02.11.20

Rev.	Engineering change number	Name	Date
f00	20-1927	S. Huber-Siegl	02.11.20

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