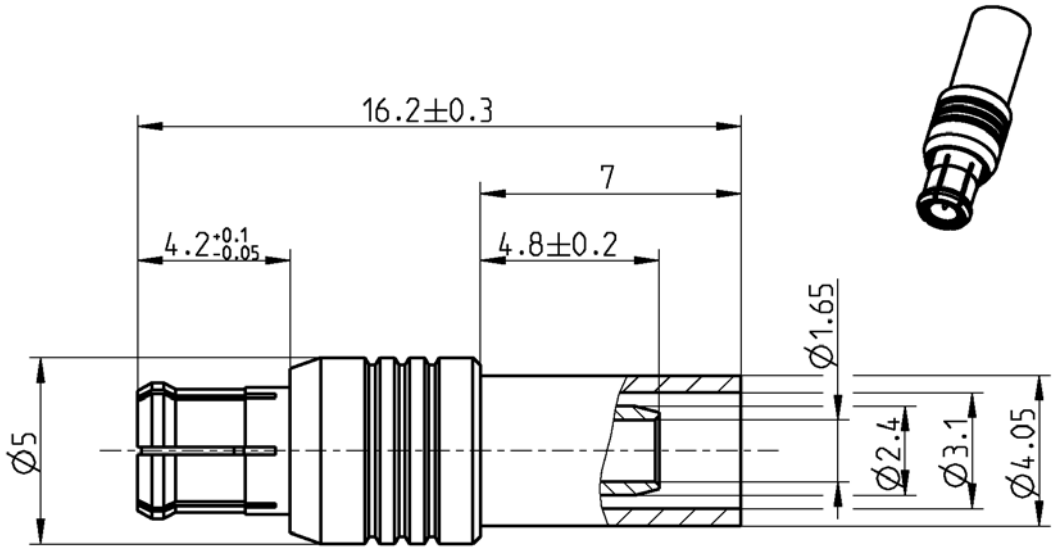
TECHNICAL DATA SHEET	Rosenberger®
MCX STRAIGHT PLUG	**29S101-102L5**



All dimensions are in mm; tolerances acc. ISO 2768 m-H

Interface

According to	CECC 22 220, IEC 60169-36

Documents

Assembly instruction	29 A

Material and plating

Connector parts	**Material**	**Plating**
Center contact	Brass	AuroDur, gold plated
Outer contact	Beryllium copper	AuroDur, gold plated
Dielectric	PTFE	
Crimping sleeve	Copper	Gold, 0.1 µm min.

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MCX STRAIGHT PLUG

29S101-102L5

Electrical data

Impedance	50 Ω
Frequency	DC to 6 GHz
Return loss	≥ 25 dB, DC to 1 GHz
	≥ 20 dB, 1 to 4 GHz
Insertion loss	≤ 0.05 x $\sqrt{f(GHz)}$ dB, DC to 4 GHz
Insulation resistance	≥ 1 GΩ
Center contact resistance	≤ 5.0 mΩ
Outer contact resistance	≤ 2.5 mΩ
Test voltage	750 V rms
Working voltage	335 V rms
Contact Current	1.5A DC max.

- Limitations are possible due to the used cable type –

Mechanical data

Mating cycles	≥ 500
Center contact captivation	≥ 10 N
Engagement force	≤ 25 N
Disengagement force	8 N min. to 20 N max.

Environmental data

Temperature range	-55°C to +155°C
Thermal shock	CECC 22 220, Chapter 4.6.7
Vibration	CECC 22 220, Chapter 4.6.3
Corrosion	CECC 22 220, Chapter 4.6.10
Moisture resistance	CECC 22 220, Chapter 4.6.6
2002/95/EC (RoHS)	compliant

Tooling

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

Suitable cables

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

Packing

Standard	100 pcs in bag
Weight	1.1 g/pce

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