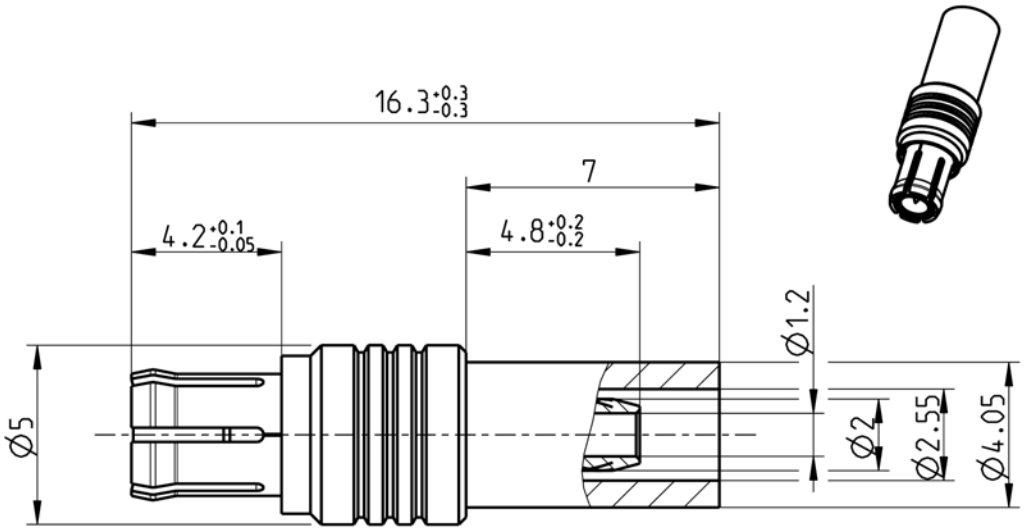
TECHNICAL DATA SHEET	Rosenberger
MCX STRAIGHT PLUG	**29S111-101L5**



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	CuBe	AuroDur®, gold plated
Dielectric	PTFE	
Crimping sleeve	Copper	Gold, 0.1 µm min.

Rosenberger Hochfrequenztechnik GmbH & Co. KG
P.O.Box 1260 D-84526 Tittmoning Germany
www.rosenberger.de

Tel.: +49 8684 18-0
Fax: +49 8684 18-499
email: info@rosenberger.de

Electrical data

Impedance	50 Ω
Frequency	DC to 6 GHz
Return loss	≥ 20 dB, DC to 1 GHz
	≥ 15 dB, 1 to 2 GHz
Insertion loss	≤ 0.1 x $\sqrt{f(GHz)}$ dB, DC to 2 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
RoHS	compliant

Tooling

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

Suitable cables

RG 196 A/U, RG 178 B/U

Weight

Weight	0.95g/pce

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.

Rosenberger Hochfrequenztechnik GmbH & Co. KG
P.O.Box 1260 D-84526 Tittmoning Germany
www.rosenberger.de

Tel.: +49 8684 18-0
Fax: +49 8684 18-499
email: info@rosenberger.de