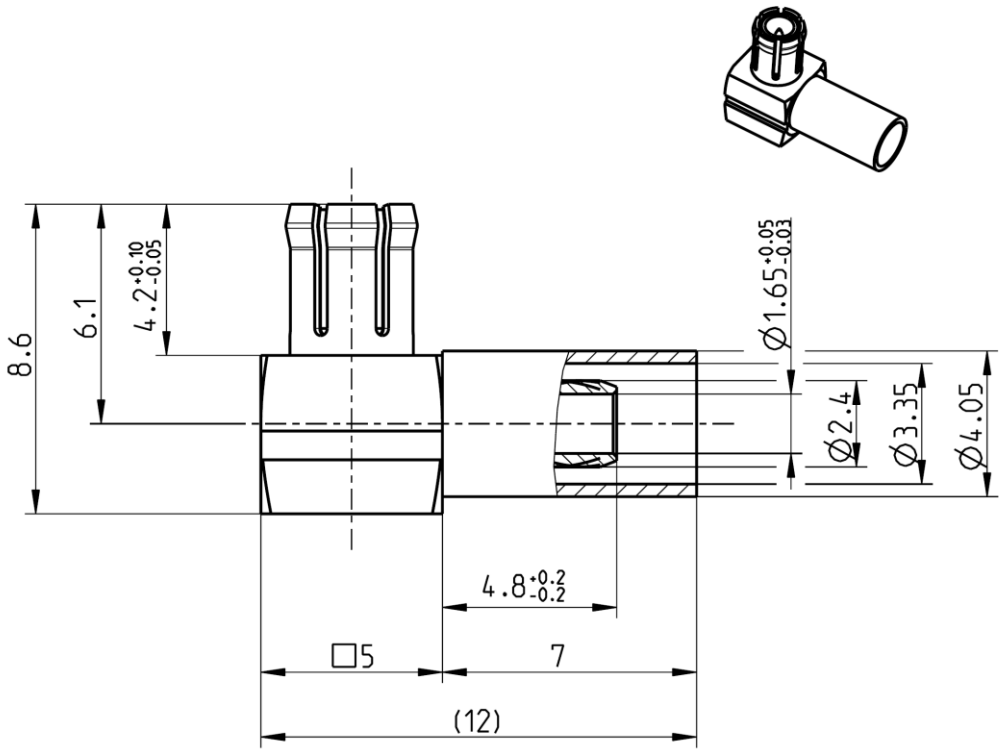
Technical Data Sheet		Rosenberger
MCX	Right Angle Plug	**29S211-303L5**



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

Interface

According to	CECC 22220, IEC 61169-36

Documents

Assembly instruction	29 C

Material and plating

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

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Electrical data

Impedance	50 Ω
Frequency	DC to 6 GHz
Return loss	≥ 32 dB, DC to 2 GHz
	≥ 26 dB, 2 to 3 GHz
	≥ 22 dB, 3 to 4 GHz
Insertion loss	$\leq 0.05 \times \sqrt{f(GHz)}$ 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
RoHS	compliant

Tooling

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

Suitable cables

RG 316 /U-d and similar

Weight

Weight	1.2 g/pce

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

Draft	Date	Approved	Date
König A.	21.07.08	Chr. Janßen	04.11.20

Rev.	Engineering change number	Name	Date
d00	20-1927	S. Huber-Siegl	04.11.20

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