



- 1) Measured when retaining clip is fully pushed towards contact area.  
2) The border dimension includes the necessary axial misalignment of the retaining clip.

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

**Interface**

According to DIN 41626/2, BS 9525 F0011

**Documents**

Assembly instruction 45 A1

**Material and plating**

**Connector parts**

	<b>Material</b>	<b>Plating</b>
Center contact	CuBe	AuroDur®, gold plated
Outer contact	Brass	AuroDur®, gold plated
Body	Brass	Gold, 0.1 µm min.
Clip	CuBe	Nickel, 2.5-5 µm
Dielectric	PTFE	
Crimping ferrule	Copper	Gold, 0.1 µm min.

DIN 41626  
Coax Insert STRAIGHT JACK**45K101-103L5****Electrical data**

Impedance	50 $\Omega$
Frequency	DC to 2 GHz
Return loss	$\geq 23$ dB, DC to 1.5 GHz
Insertion loss	$\leq 0.05 \times \sqrt{f(\text{GHz})}$ dB
Insulation resistance	$\geq 200$ M $\Omega$
Center contact resistance	$\leq 10$ m $\Omega$
Outer contact resistance	$\leq 3$ m $\Omega$
Test voltage	750 V rms
Working voltage	250 V rms
RF-leakage	$\geq 80$ dB up to 0.5 GHz $\geq 65$ dB up to 1.5 GHz

- Limitations are possible due the used cable type -

**Mechanical data**

Mating cycles	$\geq 500$
Center contact captivation	$\geq 10$ N
Connector captivation in plastic	$\geq 52$ N
Engaging and disengaging force	$\leq 10$ N

**Environmental data**

Temperature range	-55°C to +125°C
Climatic class	IEC 60068-2-1 55/125/21 IEC 60068-2-2 IEC 60068-2-3
RoHS	compliant

**Tooling**

Crimping tool	11W150-000
Crimp insert	11W150-403

**Suitable cables**

RG 316 /U-d, K02252d

**Weight**

Weight 1.8 g/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.

Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date
Wengler Juergen	20/08/07	Sa. Krautenbacher	17.03.14	b00	14-0352	T. Krojer	17.03.14
Rosenberger Hochfrequenztechnik GmbH & Co. KG P.O.Box 1260 D-84526 Tittmoning Germany <a href="http://www.rosenberger.de">www.rosenberger.de</a>					Tel.: +49 8684 18-0 Fax: +49 8684 18-499 email: <a href="mailto:info@rosenberger.de">info@rosenberger.de</a>		Page 2 / 2