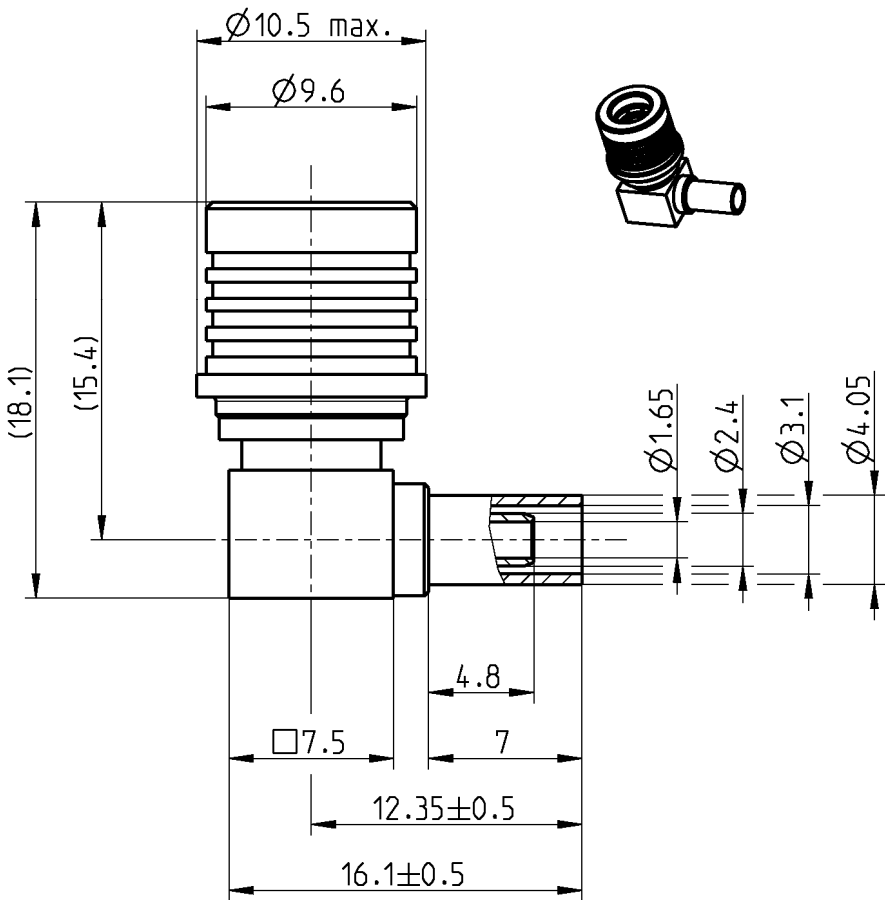


TECHNICAL DATA SHEET		Rosenberger																						
QMA RIGHT ANGLE PLUG		28S207-302N5																						
																								
All dimensions are in mm; tolerances according to ISO 2768 m-H																								
Interface		Rosenberger 28S000-000, series QMA Rosenberger is an authorised QLF® manufacturer																						
Documents		28 B																						
Material and plating		<table><tr><td>Connector parts</td><td>Material</td><td>Plating</td></tr><tr><td>Center contact</td><td>Brass</td><td>AuroDur, gold plated</td></tr><tr><td>Outer contact</td><td>Spring bronze</td><td>White bronze(e.g. Optalloy®)</td></tr><tr><td>Body</td><td>Brass</td><td>Flash white bronze over silver(e.g. Optargen®)</td></tr><tr><td>Dielectric</td><td>PTFE</td><td></td></tr><tr><td>Unlocking sleeve</td><td>Brass</td><td>White bronze(e.g. Optalloy®)</td></tr><tr><td>Crimping ferrule</td><td>Copper</td><td>Flash white bronze over silver(e.g. Optargen®)</td></tr></table>		Connector parts	Material	Plating	Center contact	Brass	AuroDur, gold plated	Outer contact	Spring bronze	White bronze(e.g. Optalloy®)	Body	Brass	Flash white bronze over silver(e.g. Optargen®)	Dielectric	PTFE		Unlocking sleeve	Brass	White bronze(e.g. Optalloy®)	Crimping ferrule	Copper	Flash white bronze over silver(e.g. Optargen®)
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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	Page 1 / 2																					

Impedance	$50\ \Omega$
Frequency	DC to 18 GHz
Return loss	$\geq 26\ \text{dB}$, DC to 3 GHz $\geq 24\ \text{dB}$, 3 to 4 GHz $\geq 18\ \text{dB}$, 4 to 6 GHz
Insertion loss	$\leq 0.05 \times \sqrt{f(\text{GHz})}$ dB, DC to 6 GHz
Insulation resistance	$\geq 5 \times 10^3\ \text{M}\Omega$
Center contact resistance	$\leq 3\ \text{m}\Omega$
Outer contact resistance	$\leq 2.5\ \text{m}\Omega$
Test voltage, at sea level, 50Hz	750 V rms
Working voltage, at sea level, 50Hz	350 V rms
RF-leakage	$\geq 95\ \text{dB}$ up to 2 GHz $\geq 80\ \text{dB}$ up to 4 GHz $\geq 70\ \text{dB}$ up to 6 GHz

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.

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

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

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

Weight	6.9 g/pce
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Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date
Inge Mühlauer	05/10/04	Sa. Krautenbacher	13.03.14	g00	14-0352	T. Krojer	13.03.14

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