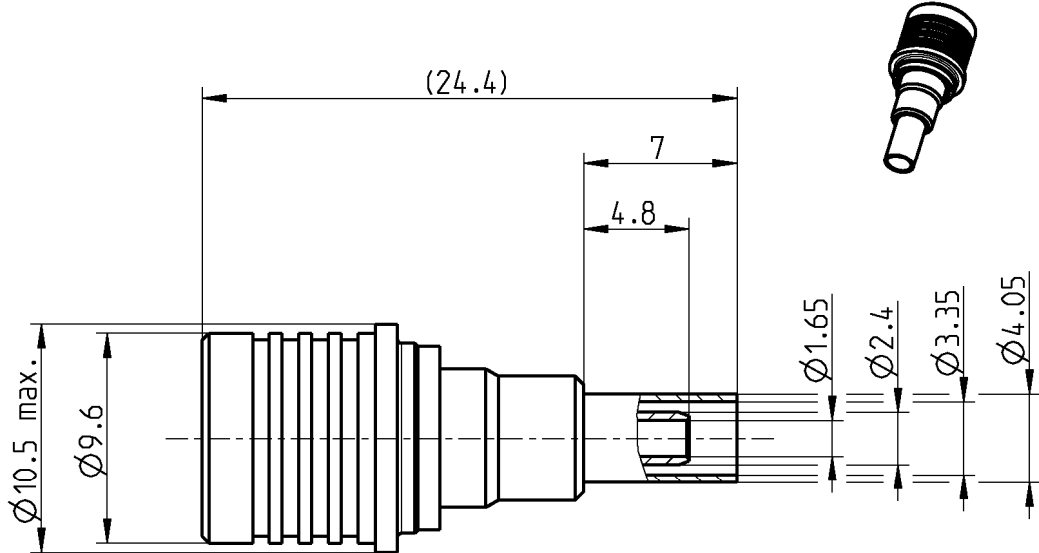


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RF_35/12.04/3.0

TECHNICAL DATA SHEET		Rosenberger																						
QMA	STRAIGHT PLUG	28S107-103N5																						
																								
All dimensions are in mm; tolerances according to ISO 2768 m-H																								
Interface		According to Rosenberger 28S000-000, series QMA Rosenberger is an authorised QLF® manufacturer																						
Documents		Assembly instruction 28 E																						
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																					

TECHNICAL DATA SHEET				Rosenberger			
QMA STRAIGHT PLUG				28S107-103N5			
Electrical data Impedance Frequency Return loss Insertion loss Insulation resistance Center contact resistance Outer contact resistance Test voltage, at sea level, 50Hz Working voltage, at sea level, 50Hz RF-leakage 50 Ω DC to 18 GHz ≥ 27 dB, DC to 3 GHz ≥ 25 dB, 3 to 4 GHz ≥ 23 dB, 4 to 6 GHz ≤ 0.05 x √f(GHz) dB, DC to 6 GHz ≥ 5 x10³ MΩ ≤ 3 mΩ ≤ 2.5 mΩ 750 V rms 350 V rms ≥ 95 dB up to 2 GHz ≥ 80 dB up to 4 GHz ≥ 70 dB up to 6 GHz - Limitations are possible due to the used cable type -							
Mechanical data Mating cycles Center contact captivation: axial Engagement force Disengagement force Retention force for interface min. 100 ≥ 20 N typ. 25 N typ. 20 N 60 N min.							
Environmental data Temperature range Storage temperature Thermal shock Corrosion Vibration Damp heat, steady state RoHS -40°C to +85°C -40°C to +85°C IEC 60169-1 16.4 (-40 / +85°C) IEC 60169-1 16.7 (48 hrs) IEC 60068-2-64 random IEC 60169-1 16.3 (96 hrs) compliant							
Tooling Crimping tool Crimp insert 11W150-000 11W150-402							
Suitable cables RG 316 /U-d, K02252d							
Weight Weight 5.9 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	
Inge Mühlauer		05/10/04		Sa. Krautenbacher		13.03.14	
Rev.		Engineering change number		Name		Date	
f00		14-0352		T. Krojer		13.03.14	
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