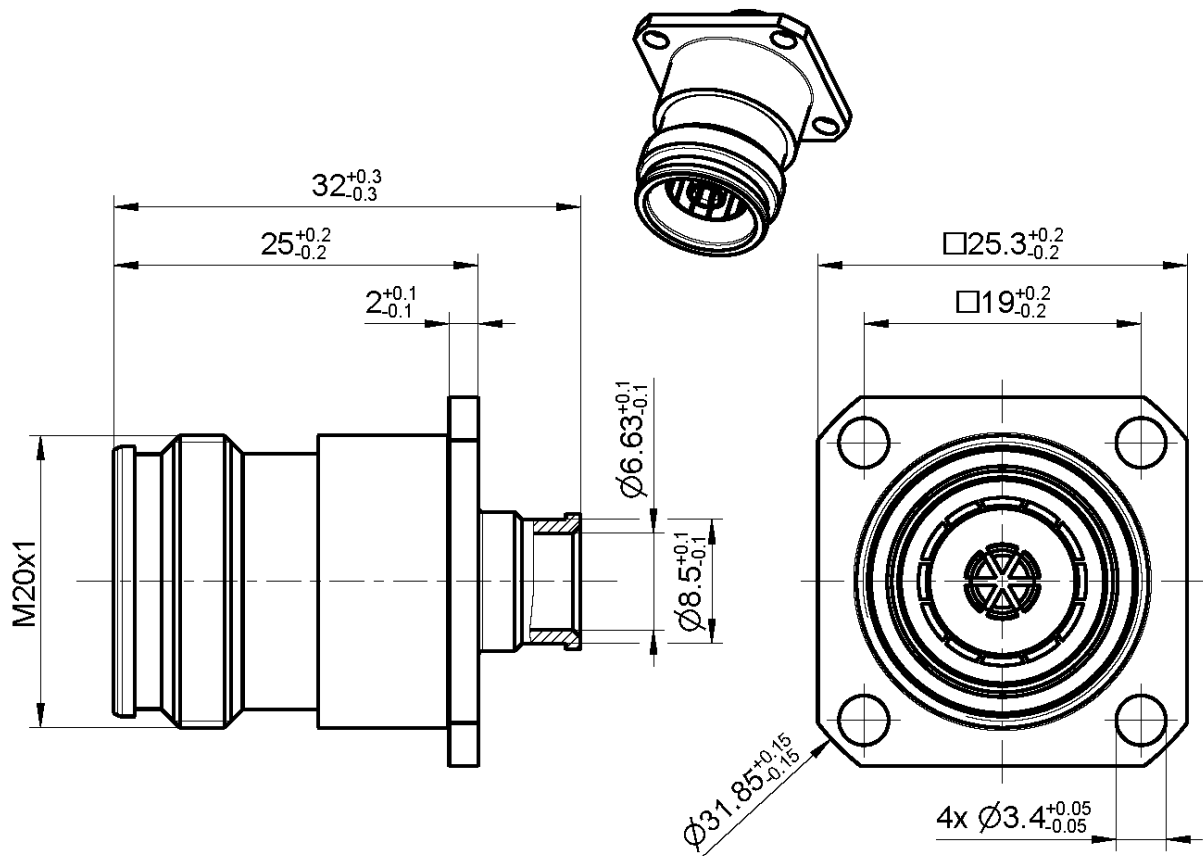




All dimensions are in mm;

Interface

According to

IEC 61169-54

Documents

Assembly instruction

64 A1

Panel piercing

B 44

Material and Plating

Connector parts

Center contact

Outer contact

Body

Dielectric

Material

CuBe

Brass

Brass

PTFE

Plating

Silver, 3-6 µm

Silver, 3-6 µm

Flash white bronze over silver(e.g. Optargen®)

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Technical Data Sheet				Rosenberger			
4.3-10		Panel Jack		64K401-273B1			
Electrical Data							
Impedance		50 Ω					
Frequency		DC to 12 GHz					
Return loss		≥ 36 dB @ DC to 4 GHz					
		≥ 32 dB @ 4 GHz to 6 GHz					
Insertion loss		≤ 0.05 x √ f [GHz] dB					
Insulation resistance		≥ 5 GΩ					
Center contact resistance		≤ 1.0 mΩ					
Outer contact resistance		≤ 1.0 mΩ					
Test voltage		2500 V rms					
Working voltage		500 V rms					
RF-leakage		≥ 110 dB @ DC to 6 GHz for tool tightened plugs					
		≥ 90 dB @ DC to 3 GHz for tool-less plugs					
		≥ 70 dB @ 3 to 6 GHz for tool-less plugs					
Power handling (at 90 °C, altitude 3000m)		500 W @ 2.0 GHz					
Intermodulation (3 rd order)		≥ 160 dBc (2 x 46 dBm) @ 0.4 – 4.0 GHz					
		≥ 166 dBc (2 x 43 dBm) @ 0.4 – 4.0 GHz					
- Limitations are possible due to the used cable type – - RL values only valid for the interface -							
Mechanical Data							
Mating cycles		≥ 100					
Recommended torque		5 Nm					
Environmental Data							
Temperature range		-55 °C to +90 °C operating temperature					
Thermal shock		IEC 61169-1 9.4.4					
Corrosion resistance		ISO 21207 method B					
Vibration		IEC 61169-1 9.3.3 and IEC 60068-2-64					
Shock		IEC 61169-1 9.3.14					
Degree of protection (mated pair)		IEC 60529, IP68 1 h / 25 m					
RoHS		compliant					
Tooling							
		N/A					
Suitable Cables							
		UT 250, RTK - FS 250					
Weight							
		38 g/pc					
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. For the installation of the electrotechnical equipment, particular electrotechnical expertise is required. 							
Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date
F. Fraunhofer	16.10.2012	F. Fraunhofer	25.06.2024	a00	24-s166	S. Huber-Siegl	25.06.2024
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