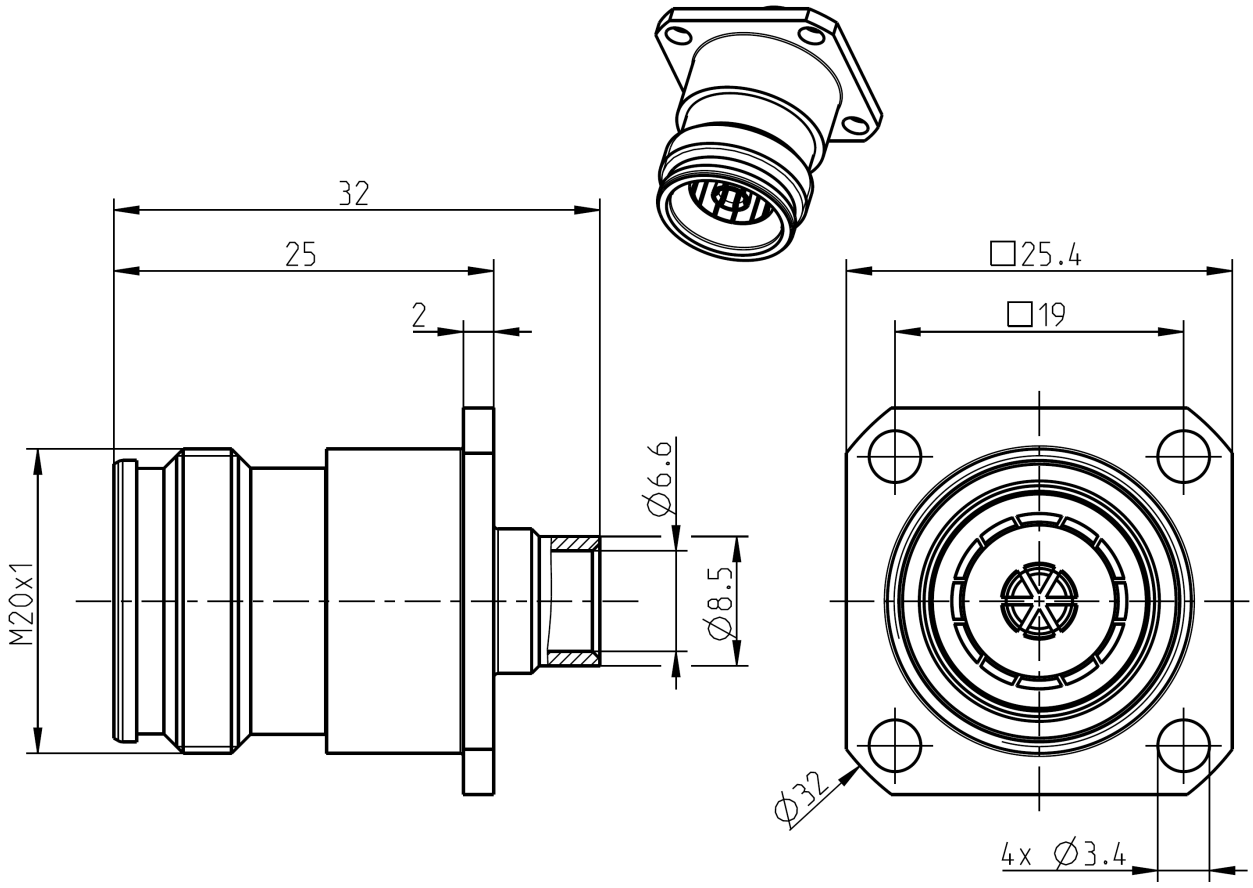
Technical Data Sheet		Rosenberger
4.3-10	Panel Jack	**64K401-273B1**



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

Interface

According to	IEC 61169-54

Documents

Assembly instruction	64 A1
Panel piercing	B 44

Material and Plating

Connector parts	**Material**	**Plating**
Center contact	CuBe	Silver, 3-6 µm
Outer contact	Brass	Silver, 3-6 µm
Body	Brass	Flash white bronze over silver(e.g. Optargen®)
Dielectric	PTFE	

Dieses Dokument ist urheberrechtlich geschützt • This document is protected by copyright • Rosenberger Hochfrequenztechnik GmbH & Co. KG

Rosenberger Hochfrequenztechnik GmbH & Co. KG
P.O.Box 1260 D-84526 Tittmoning Germany
www.rosenberger.de

Tel. : +49 8684 18-0
Email : info@rosenberger.de

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 $\sqrt{f\,[GHz]}$ 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 (3rd 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
Center contact captivation: axial	> 30 N
radial	> 5 Ncm
Center contact retention force	1.5 - 20 N
Outer contact retention force	4 - 35 N
Engagement force	typ. 100 N
Disengagement force	typ. 80 N
Recommended torque	5 Nm

Environmental Data

Temperature range	-55 °C to +90 °C operating temperature
Thermal shock	IEC 60169-1, Sub-clause 16.4
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 1h / 25m
RoHS	compliant

Tooling

N/A

Suitable Cables

UT 250, RTK - FS 250

Weight

Weight	40 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.

Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date
F. Fraunhofer	16.10.12	F. Fraunhofer	26.06.2015	300	15-0759	B. Wollitzer	26.06.2015

Rosenberger Hochfrequenztechnik GmbH & Co. KG
P.O.Box 1260 D-84526 Tittmoning Germany
www.rosenberger.de

Tel. : +49 8684 18-0
Email : info@rosenberger.de

Dieses Dokument ist urheberrechtlich geschützt ● This document is protected by copyright ● Rosenberger Hochfrequenztechnik GmbH & Co. KG