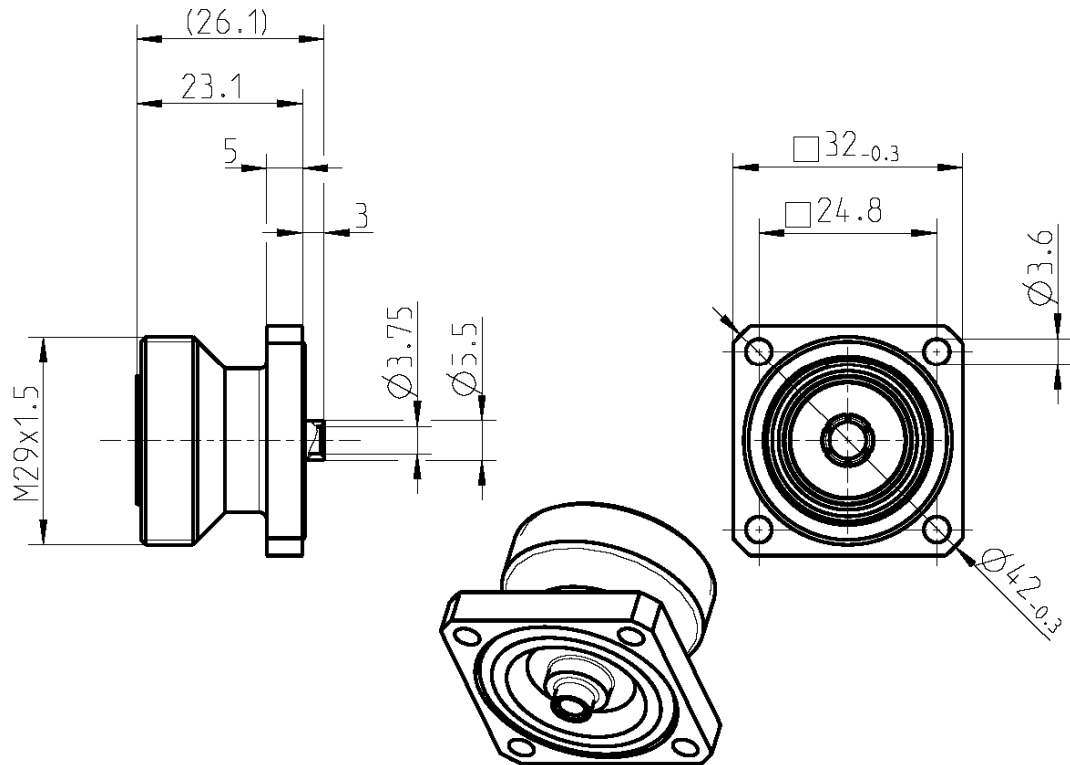




All dimensions are in mm; tolerances according to ISO 2768 m-H

Interface

According to

IEC 61169-4, EN 122190, DIN 47223

Documents

Assembly instruction

60 S20

Panel piercing

B 46b

Material and plating

Connector parts

Center contact

Outer contact

Dielectric

Material

Spring bronze

Brass

PTFE

Plating

Silver, 3-6 μ m

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

Technical Data Sheet				Rosenberger			
7-16	Panel Jack			60K442-272N1			
Electrical data							
Impedance				50 Ω			
Frequency				DC to 7.5 GHz			
Return loss				≥ 35 dB, DC to 3.0 GHz			
Insertion loss				≤ 0.05 dB			
Insulation resistance				≥ 10 GΩ			
Center contact resistance				≤ 0.4 mΩ			
Outer contact resistance				≤ 1.5 mΩ			
Working voltage (at sea level)				500 V rms			
Power handling (at 20 °C, sea level, VSWR 1.0)				1800 W @ 1 GHz 800 W @ 4 GHz			
RF-leakage				≥ 128 dB @ DC to 1 GHz			
Intermodulation (3 rd order)				≥ 160 dBc (2 x 43 dBm)			
Limitations are possible due to the used cable type							
Mechanical data							
Mating cycles				≥ 500			
Center contact captivation: axial				≥ 200 N			
radial				≥ 2 Ncm			
Coupling torque (recommended)				25 to 30 Nm			
Proof torque				≤ 35 Nm			
Environmental data							
Temperature range				-45 °C to +85 °C			
Rapid change of temperature				DIN EN 122190, Sub-clause 4.6.7			
Corrosion resistance				DIN EN 122190, Sub-clause 4.6.10			
Vibration				DIN EN 122190, Sub-clause 4.6.3			
Climatic category				DIN EN 122190, Sub-clause 4.6.5 (45/85/56)			
Damp heat				DIN EN 122190, Sub-clause 4.6.6			
Degree of protection (mated pair)				IEC 60529, IP68 2.5 bar (assembled in housing)			
RoHS				compliant			
Tooling							
N/A							
Suitable cables							
UT 141							
Weight							
Weight 52.5 g							
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
Christian Janßen	05.12.12	J_Gramsamer	07.04.15	c00	15-0397	J_Krautenb.	07.04.15
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