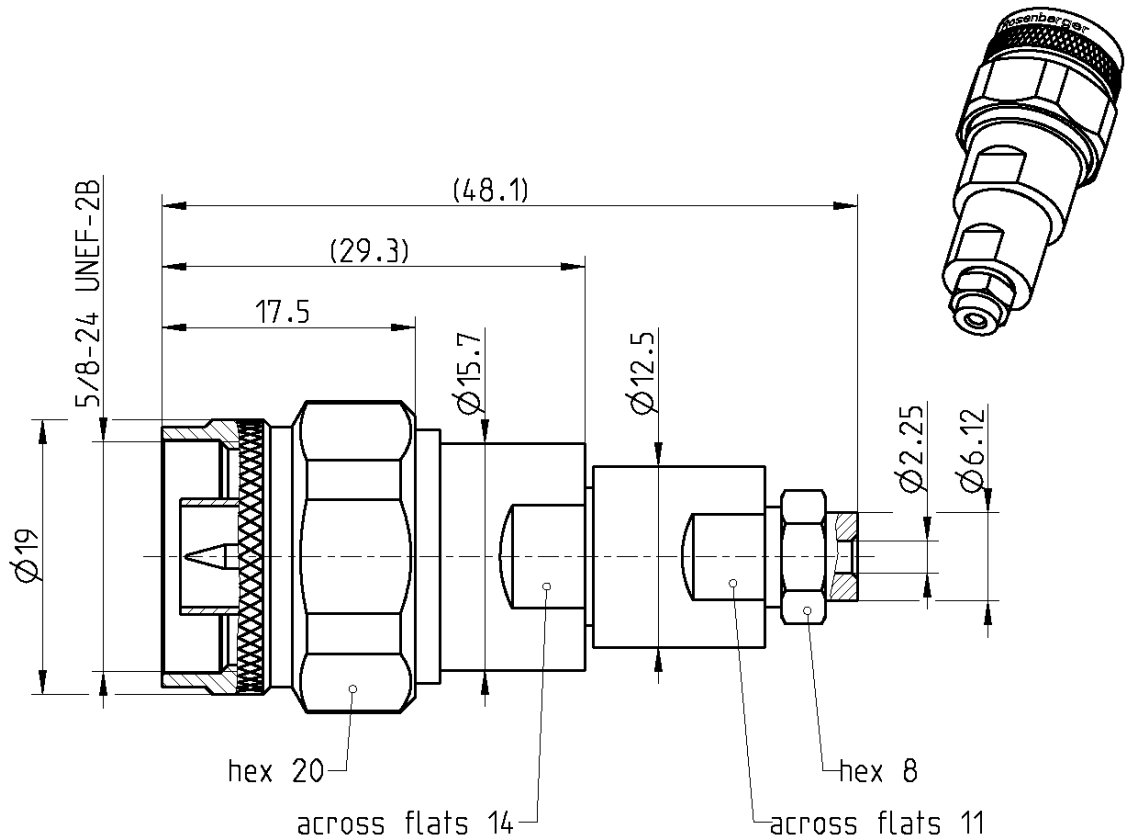




All dimensions are in mm; tolerances according to ISO 2768 m-H

Interface

According to

IEC 60169-16 ; CECC 22 210 ; MIL-STD 348A/402

Documents

Assembly instruction

02 A3

Material and plating

Connector parts

Center contact
Outer contact
Coupling nut
Dielectric
Solder sleeve

Material

Beryllium copper
Stainless steel
Stainless steel
PPE
Brass

Plating

Gold, min. 1.27 μ m, over chemical nickel
Passivated
Passivated
Gold, 0.1 μ m min.

Electrical data

Impedance	50 Ω
Frequency	DC to 18 GHz
Return loss	≥ 25 dB, DC to 18 GHz
Insertion loss	$\leq 0.03 \times \sqrt{f(\text{GHz})}$ dB
Insulation resistance	≥ 5 G Ω
Center contact resistance	≤ 1.0 m Ω
Outer contact resistance	≤ 1.0 m Ω
Test voltage	750 V rms
Working voltage	250 V rms
RF-leakage	≥ 90 dB up to 1 GHz

- Limitations are possible due to the used cable type -

Mechanical data

Mating cycles	≥ 500
Center contact captivation	≥ 28 N
Coupling test torque	1.70 Nm
Recommended torque	0.70 Nm to 1.10 Nm

Environmental data

Temperature range	-40°C to +85°C
Thermal shock	IEC 61169-1, Subclause 9.4.4
Corrosion	IEC 61169-1, Subclause 9.4.6
Vibration	IEC 61169-1, Subclause 9.3.3
Shock	IEC 61169-1, Subclause 9.3.14
Moisture resistance	IEC 61169-1, Subclause 9.4.3
2002/95/EC (RoHS)	compliant

Tooling

N/A

Suitable cables

UT 85 / RTK-FS 085 / RTK-Flex 405

Packing

Standard	1 pce in bag
Weight	51.9 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	Rev.	Engineering change number	Name	Date
Herbert Babinger	11/10/06	H. Babinger	08.02.07	b00	07-0101	B. Dandl	08.02.07
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