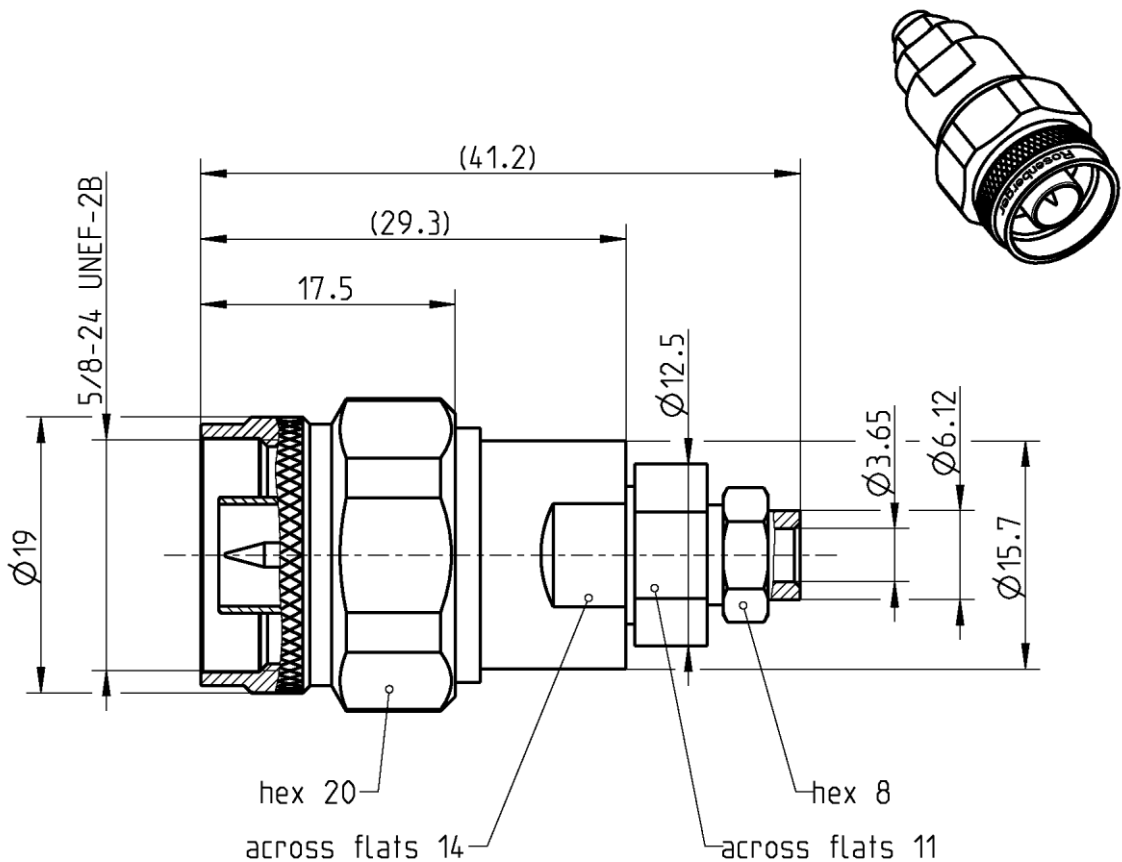




All dimensions are in mm; tolerances according to ISO 2768 m-H

Interface

According to

IEC 61169-16; MIL-STD 348A/402

Documents

Assembly instruction

02 A3

Material and plating

Connector parts

Center contact
Outer contact
Coupling nut
Dielectric
Solder sleeve

Material

CuBe
Stainless steel
Stainless steel
PPE
Brass

Plating

Gold, min. 1.27 μm, over chemical nickel
Passivated
Passivated
Gold, 0.1 μm min.

Technical Data Sheet				Rosenberger			
RPC-N 50 Ω		Straight plug		05S121-272S3			
Electrical data Impedance50 Ω FrequencyDC to 18 GHz Return loss≥ 25 dB, DC to 18 GHz Insertion loss≤ 0.03 x √f(GHz) dB Insulation resistance≥ 5 GΩ Test voltage (at sea level)1000 V rms Working voltage (at sea level)335 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 torque1.70 Nm Recommended torque0.70 Nm to 1.10 Nm Environmental data Temperature range-40°C to +85°C Thermal shockIEC 61169-1, Subclause 9.4.4 CorrosionIEC 61169-1, Subclause 9.4.6 VibrationIEC 61169-1, Subclause 9.3.3 ShockIEC 61169-1, Subclause 9.3.14 Moisture resistanceIEC 61169-1, Subclause 9.4.3 RoHScompliant Tooling N/A Suitable cables UT 141 / RTK-FS 141 / RTK-Flex 402 Weight 46.8 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
A. Mäiwälder	11.11.05	F. Reiner	02.07.18	c01	18-1026	M. Ruf	29.06.18
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