

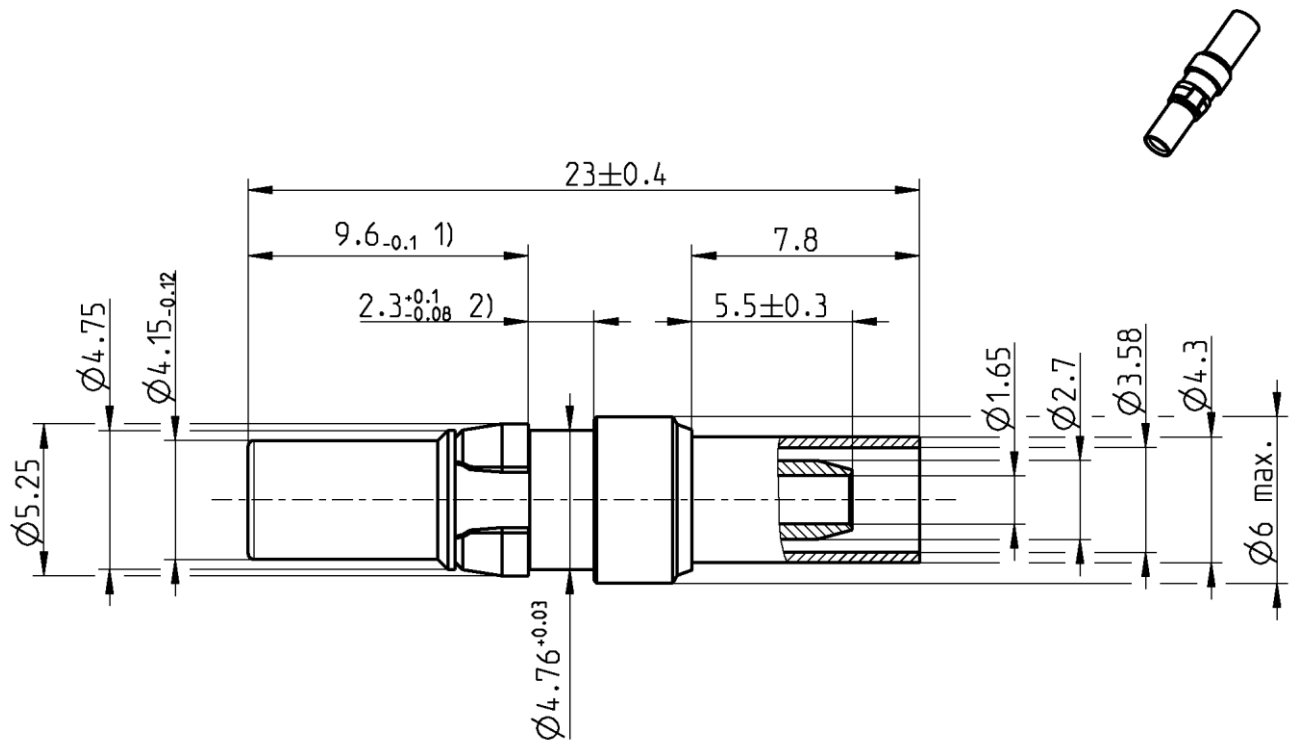
Technical Data Sheet

Rosenberger

Insert Coax
1.0-2.3
DIN 41626

Straight Jack

45K101-103L5



- 1) Measured when retaining clip is fully pushed towards contact area.
2) The border dimension includes the necessary axial misalignment of the retaining clip.

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

Interface

According to

DIN 41626-T2, BS 9525 F0011

Documents

Assembly instruction

45 A1

Material and plating

Connector parts

Center contact
Outer contact
Body
Clip
Dielectric
Crimping ferrule

Material

CuBe
Brass
Brass
CuBe
PTFE
Copper

Plating

AuroDur®, gold plated
AuroDur®, gold plated
Gold, 0.1 µm min.
Nickel, 2.5-5 µm
Gold, 0.1 µm min.

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Insert Coax 1.0-2.3 DIN 41626		Straight Jack		45K101-103L5			
Electrical data Impedance50 Ω FrequencyDC to 6 GHz Return loss≥ 23 dB, DC to 1.5 GHz ≥ 17 dB, 2 to 6 GHz Insertion loss≤ 0.05 x √f(GHz) dB Insulation resistance≥ 200 MΩ Center contact resistance≤ 10 mΩ Outer contact resistance≤ 3 mΩ Test voltage750 V rms Working voltage250 V rms RF-leakage≥ 80 dB up to 0.5 GHz ≥ 65 dB up to 1.5 GHz - Limitations are possible due the used cable type - Mechanical data Mating cycles≥ 500 Center contact captivation≥ 10 N Connector captivation in plastic≥ 52 N Engaging and disengaging force≤ 10 N Environmental data Temperature range-55°C to +125°C Climatic classIEC 60068-2-1 55/125/21 IEC 60068-2-2 IEC 60068-2-3 RoHScompliant Tooling Crimping tool11W150-000 Crimp insert11W150-403 Suitable cables RG 316 /U-d, K02252d Weight Weight1.8 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. For the installation of the electrotechnical equipment, particular electrotechnical expertise is required. 							
Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date
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