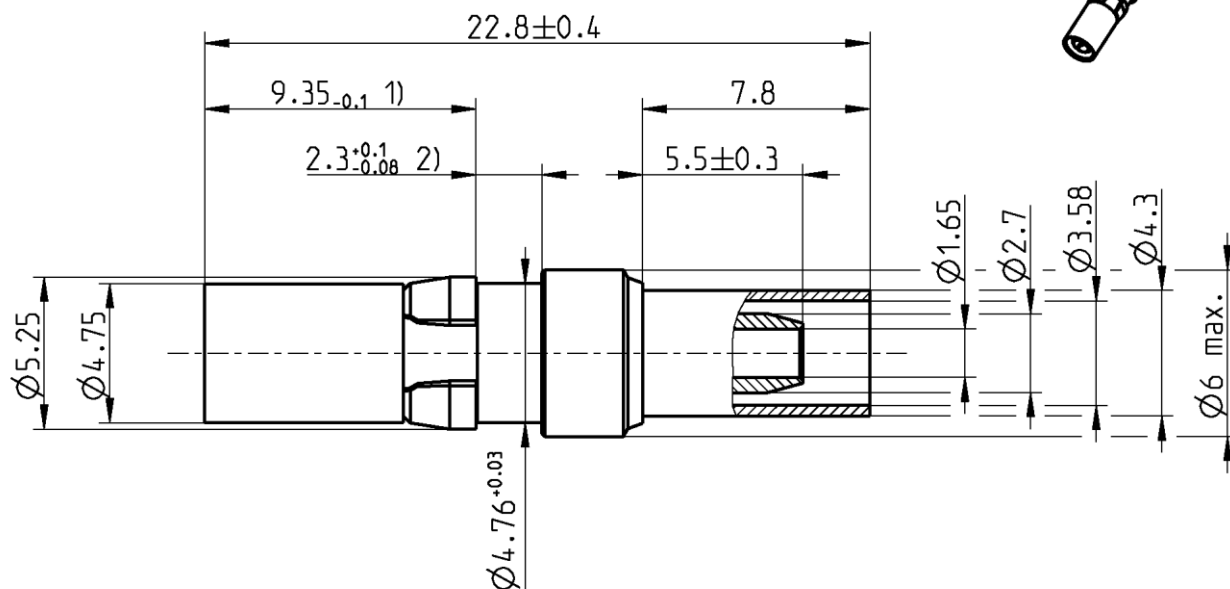




- 1) Measured when retaining clip is fully pushed towards contact area.  
2) The border dimension includes the necessary axial misalignment of the retaining clip.

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  
CuBe  
Brass  
CuBe  
PTFE  
Copper

### Plating

AuroDur®, gold plated  
AuroDur®, gold plated  
Gold, 0.1  $\mu\text{m}$  min.  
Nickel, 2.5-5  $\mu\text{m}$   
Gold, 0.1  $\mu\text{m}$  min.

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |               |          |                                                                                                |                           |                |                   |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|---------------|----------|------------------------------------------------------------------------------------------------|---------------------------|----------------|-------------------|
| Technical Data Sheet                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |               |          | Rosenberger                                                                                    |                           |                |                   |
| Insert Coax<br>1.0-2.3<br>DIN 41626                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          | Straight Plug |          | 45S101-103L5                                                                                   |                           |                |                   |
| <div>Electrical data</div> <div><div>Impedance</div><div>Frequency</div><div>Return loss</div><div>Insertion loss</div><div>Insulation resistance</div><div>Center contact resistance</div><div>Outer contact resistance</div><div>Test voltage</div><div>Working voltage</div><div>RF-leakage</div></div> <div><div>50 Ω</div><div>DC to 6 GHz</div><div>≥ 21 dB, DC to 2 GHz</div><div>≥ 17 dB, 2 to 6 GHz</div><div>≤ 0.1 x √f(GHz) dB</div><div>≥ 200 MΩ</div><div>≤ 10 mΩ</div><div>≤ 3 mΩ</div><div>750 V rms</div><div>250 V rms</div><div>≥ 80 dB up to 0.5 GHz</div><div>≥ 65 dB up to 1.5 GHz</div></div> <div><div>- Limitations are possible due to the used cable type -</div></div> |          |               |          |                                                                                                |                           |                |                   |
| <div>Mechanical data</div> <div><div>Mating cycles</div><div>Center contact captivation</div><div>Connector captivation in plastic</div><div>Engaging and disengaging force</div></div> <div><div>≥ 500</div><div>≥ 10 N</div><div>≥ 52 N</div><div>≤ 10 N</div></div>                                                                                                                                                                                                                                                                                                                                                                                                                            |          |               |          |                                                                                                |                           |                |                   |
| <div>Environmental data</div> <div><div>Temperature range</div><div>Climatic class</div><div>RoHS</div></div> <div><div>-55°C to +125°C</div><div>IEC 60068-2-1 55/125/21</div><div>IEC 60068-2-2</div><div>IEC 60068-2-3</div><div>compliant</div></div>                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |               |          |                                                                                                |                           |                |                   |
| <div>Tooling</div> <div><div>Crimping tool</div><div>Crimp insert</div></div> <div><div>11W150-000</div><div>11W150-403</div></div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |               |          |                                                                                                |                           |                |                   |
| <div>Suitable cables</div> <div><div>RG 316 /U-d, K02252d</div></div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |               |          |                                                                                                |                           |                |                   |
| <div>Weight</div> <div><div>1.7 g/pce</div></div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |               |          |                                                                                                |                           |                |                   |
| <div><div><div>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.</div><div><div>For the installation of the electrotechnical equipment, particular electrotechnical expertise is required.</div><div></div></div></div></div>                                                                                     |          |               |          |                                                                                                |                           |                |                   |
| Draft                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Date     | Approved      | Date     | Rev.                                                                                           | Engineering change number | Name           | Date              |
| Wengler Jürgen                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 20.08.07 | Chr. Janßen   | 01.12.20 | c00                                                                                            | 20-1927                   | S. Huber-Siegl | 01.12.20          |
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