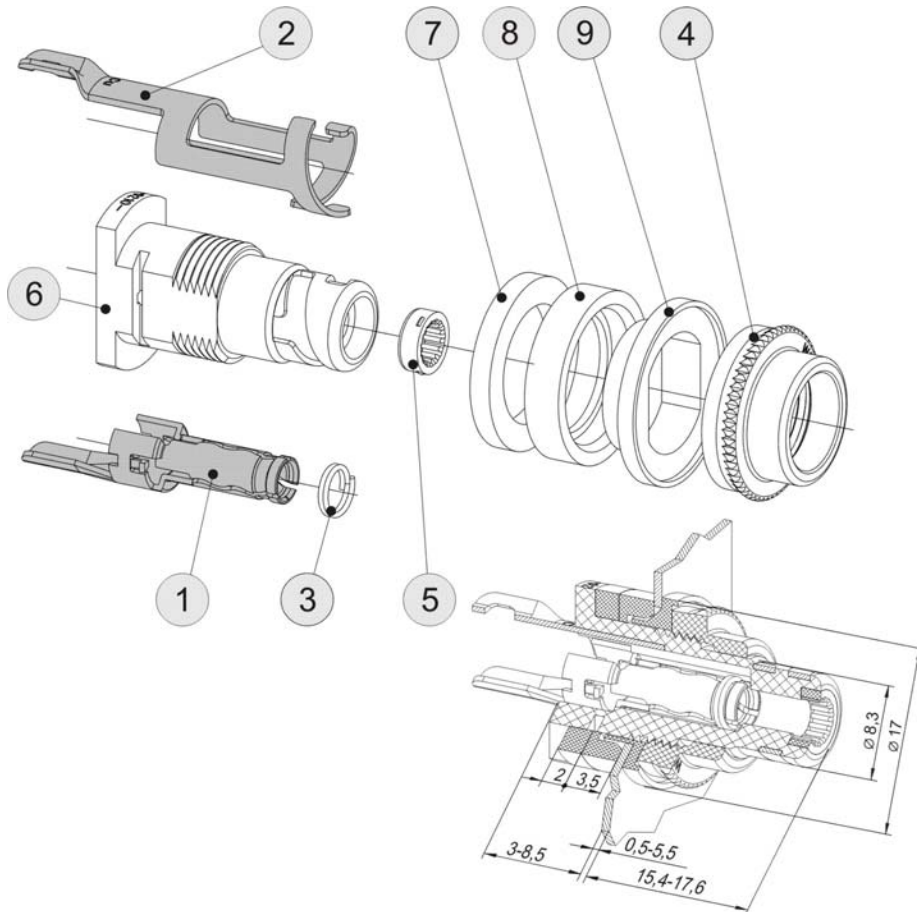
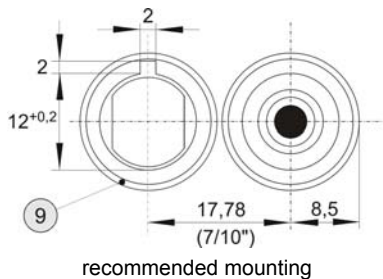


WBT-0210 Cu**E****WBT****Component list**

| | | |
|---|--|---|
| 1 | Signal Conductor 'Plus', pure copper | 1 |
| 2 | Signal conductor 'Minus', pure copper | 1 |
| 3 | Contact spring bronze | 1 |
| 4 | Counter nut, PA 6.6 fibre-glass reinforced | 1 |
| 5 | Marking ring Badamid B70 GF10 ¹⁾ | 1 |
| 6 | Base element PA 6.6 fibre-glass reinforced | 1 |
| 7 | Distance ring PA 6.6 fibre-glass reinforced | 1 |
| 8 | Distance ring PA 6.6 fibre-glass reinforced | 1 |
| 9 | Double Step washer PA 6.6 fibre-glass reinforced | 1 |

Extent of delivery 1 – 9 mounted

Revision date 14.12.2006

¹⁾Badamid is a registered trade mark of Bada AG • WBT und nextgen are registered trade marks of WBT GmbH

WBT-0210 Cu
Characteristic impedance 75Ω
RoHS compliant

WBT- 0210 Cu Coaxial Socket nextgen™

(Internat. Pat. EP 0 460 145 B1)

Coaxial socket for cabinet mounting, *soldering version***1. Mechanics**

- One-piece low tolerance contact elements (Tol. < ± 0,02 mm)
- Outer conductor with low capacitance patented contact form
- Inner socket with well defined contact surface, WBT active spring mechanism with enclosing beryllium spring; large spring travel for constant contact pressure even with imprecise counter pieces

2. Materials

- Signal conductor (1) und (2) pure copper
- Base element (6) high strength fibre-glass reinforced Polyamide
- Mounted parts (7), (8) und (9) fibre-glass reinforced Polyamide 6.6
- Marking ring Badamid B70 GF10
- Counter nut fibre-glass reinforced Polyamide 6.6

3. Surfaces

- Signal conductor WBT -24-carat-gold plating bronze 5 µm, Au 0,3 µm

4. Operating Characteristics (reliable observed after more than 10³ connections/disconnections)

- Permanent current $I_D > 20$ A
- Transition resistance $R_0 < 0.1$ mOhm (loop measured with WBT -0110)
- Contact resistance $R_{BI}, R_{Ba} < 0.1$ mOhm (patch resistance, inner / outer)
- Self capacitance $C \approx 2.5$ pF
- Insulation resistance $R_{ia}, R_{aG} > 10^{10}$ Ohms (conductor/conductor, conductor/chassis)
- Characteristic impedance $Z = 75$ Ohms

5. Terminals

- solder, for cables up to 1.5 mm²

6. Mounting

- problem-free by hand using the knurled nut
- recommended distance between socket centres: 17.78 mm = 7/10 inch (standard)