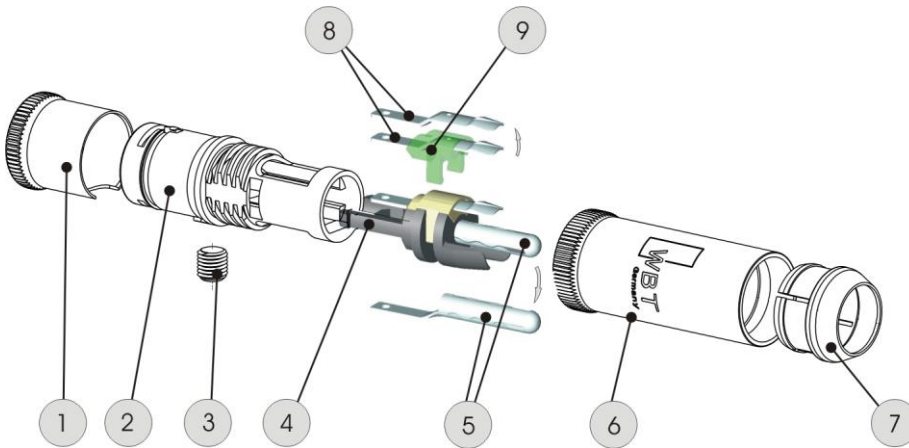


All dimensions in mm



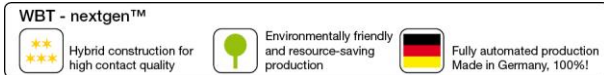
Component list

1	Cap, brass	1
2	Holding Unit, PA	1
3	Torx ¹⁾ Screw M4x4, brass	1
4	Dielectric 'Plus', PA	1
5	Signal Conductor 'Plus', fine silver	1
6	Shaft of Clamping Barrel, brass	1
7	Head of Clamping Barrel, brass	1
8	Signal Conductor 'Minus', fine silver	1
9	Dielectric 'Minus', LCP	1

Extent of delivery 1 – 9 assembled

Revision date 08.07.2024

¹⁾Torx® is a registered trademark of Camcar Textron • ²⁾Ultramid® is a registered trademark of BASF SE • WBT and nextgen™ are registered trademarks of WBT-Industrie GmbH



WBT-0114 Ag nextgen™ RCA Plug

(Internat. Pat. EP 0 460 145 B1)

RCA / Cinch wideband plug for digital and analog connections



RoHS compliant

Characteristic Impedance 75 Ω up to 400 MHz

(for shielded analog broad band applications and 75 Ω digital connections)

1. Mechanics

- single-element low-tolerance contact elements (Tol. < ± 0,02 mm)
- central contact unit consisting of two moulded contact holders (4), (5) and (8), (9)
- the Ultramid²⁾Holding Unit (2) grips the central contact unit and also provides the cable strain relief thanks to the Grub Screw (3)
- the brazen Clamping Barrel (6), (7) is axially screwed over the thread of the holder and provides a permanent tight contact pressure. This way, the plug can be adopted perfectly by every type of RCA / Cinch socket
- EMC shielding is effectively achieved by the Clamping Barrel (6), (7) and the Cap (1)

2. Materials

- Signal Conductors (5), (8) fine silver
- Dielectric 'Plus' (4) PA, glass fibre reinforced
- Dielectric 'Minus' (9) LCP
- Cap (1), Grub Screw (3) brass
- Holding Unit (2) PA, glass fibre reinforced
- Clamping Barrel (6), (7) brass

3. Oberflächen

- Signal Conductor (5), (8) fine silver, pure
- Clamping Barrel (6), (7) matte black galvanized
- Cap (1) silver-coloured galvanized
- Holding Unit (2) coloured versions available according to the EIA/CEA standard for multi channel systems

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

- Permanent current I₀ > 10 A
- Transition resistance R₀ < 0,1 mOhm
- Contact resistance R_{BI}, R_{BS} < 0,1 mOhm (patch resistance, inner/outer)
- Self capacitance C ≈ 2,5 pF
- Insulation resistance R_{ia}, R_{is} > 10¹⁰ Ohm (conductor/conductor, conductor/chassis)
- Characteristic impedance Z = 75 Ohm up to 400 GHz

5. Dimensions

- Outer / inner diameter 13.6 / 9 mm
- Total length 51 mm

6. Mounting

- Connection soldering, crimping (2.8 mm flat push-on cable shoe)
- Cables for cables up to 9 mm dia.

Warning: The use of contacting agents and cleaners containing solvents can lead to damage to the plastic components.