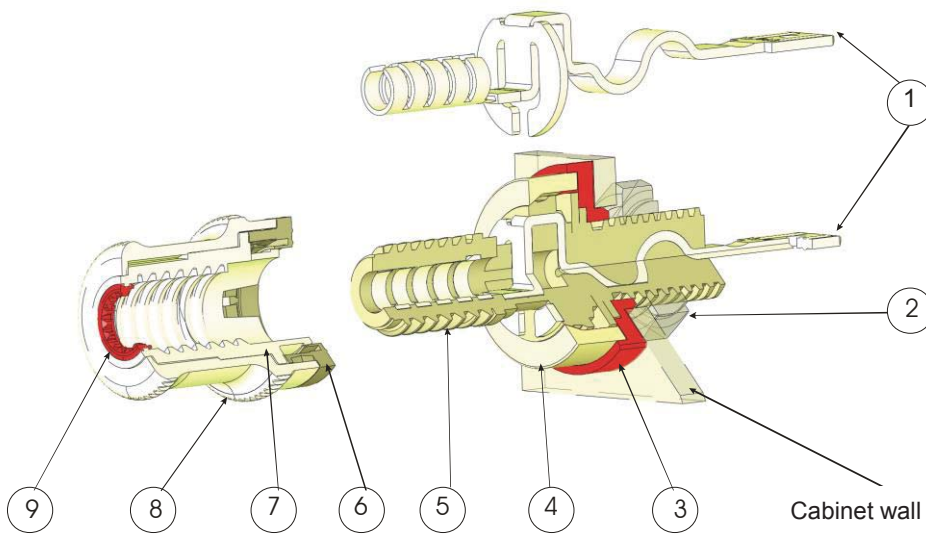
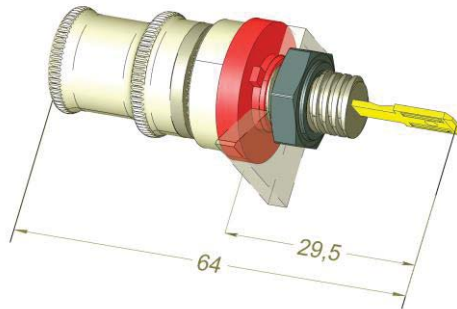




All dimensions in mm



Component List

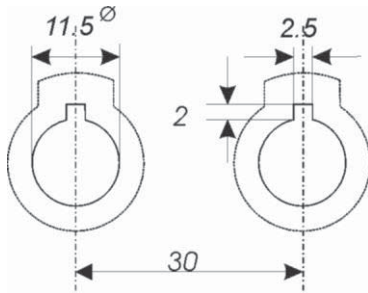
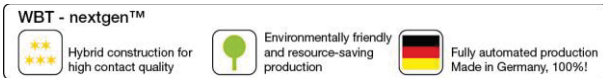
1	Signal conductor, pure copper	1
2	Counter Nut, PA	1
3	Double Step Washer, PA	1
4	Covering ring, brass	1
5	Base Element, PA	1
6	damping ring	1
7	Pressure Nut, PA	1
8	Adjusting Nut Cap, Ms	1
9	Marking Ring	1

Extent of delivery 1 – 9 mounted

Revision date 02.06.2017

1) LOCTITE is a registered trademark of Henkel • WBT and nextgen are registered trademarks of WBT GmbH

2)



Mounting suggestion

WBT-0710 Cu
RoHS compliant

WBT-0710 nextgen™ Pole Terminal

(International Patent EP 1 470 620, EU 953 849)

Pole terminal for cabinet wall mounting, *plug- / solder version*

1. Mechanics

- One piece, low tolerance contact element (Tol. < ± 0.02 mm)
- Fully insulated construction
- Vibration control, electrical and mechanical

2. Materials

- Signal Conductor (1) Pure copper
- Base Element (7) PA
- Counter Nut (4) and Pressure Nut (2) PA
- Marking Ring (9) and Double Step Washer (5) PA
- Damping Ring in (3) Elastomer
- Adjusting Nut Cap (6), Covering Ring (10) brass

3. Surfaces:

- Signal conductor: 24-K direct gold plating, Au 0.3 µm, nickel-free, non ferromagnetic
- Adjusting Nut Cap: direct gold plating with Au 0.5 µm
- All materials, including surfaces, are free from substances with ferromagnetic properties

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

- Permanent current $I_D \geq 30$ A
- Peak current $I_S \geq 200$ A
- Transition resistance $R_0 < 0.1$ mOhm (measured with spade connection)
- Contact resistance $R_{DCu} < 0.15$ mOhm (measured with spade connection)
- Insulation resistance $R_{iso} > 10^{10}$ Ohm

5. Connection Options

- solder (optimal for cable up to 4 mm²/11 AWG)
- plug (for 6.3 mm flat push-on cable shoe)

6. Mounting

- Chassis drill hole $\varnothing 11,5^{+0,2}$ mm with slot 2.5x2 mm for twist prevention (see drilling scheme)
- For wall thickness from 0.9 to 10 mm. With puzzle plate (s. picture on left) WBT-9410: 0.9 to 8 mm
- Recommended distance between two terminal centres: 30 mm
- Recommended tightening torque for the counter nut (4): 2.1 Nm
- Recommended fluid nut lock for the counter nut (4): LOCTITE 480 ¹⁾

Alle Angaben sowie technische Änderungen unter üblichem

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