

Component list

1	Base Element, PA	1
2	Signal Conductor, pure copper	1
3	Pressure Nut, PC	1
4	Marking Ring, PA	1
5	Pressure Ring, PA	1
6	Damping Unit, TPE	1
7	Indicator, Retaining Element, PC	1
8	Counter Nut, PA	1
9	Double Step Washer, PA	1
10	Covering Ring, PC	1
Extent of delivery 1 – 10		
Revision date 08.07.2024		

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WBT-0707 Cu nextgen™ Pole Terminal

(EP 1 470 620, Pat. pend.102011007940)

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

1. Mechanics

- one-piece, low tolerance contact element
- fully insulated construction
- indication of fastening power (torque control)
- locking feature for contact pressure
- vibration control, electrical and mechanical by functional materials

2. Materials

- Signal Conductor (2) pure copper
- Base Element (1) PA
- Counter Nut (8) PA
- Marking Ring (4), Pressure Ring (5), Double Step Washer (9) PA
- Damping Ring (6) TPE
- Indicator, Retaining Element (7) PC
- Pressure Nut (3), Covering Ring (10) PC

3. Surfaces

- Signal Conductor 24k nickel-free direct gold plating by PlasmaProtect™, non-ferromagnetic

4. Operating characteristics (reliably observed after more than >10³ connection / disconnections)

- Permanent current $I_D \geq 30$ A
- Peak current $I_S \geq 200$ A
- Transition resistance $R_{ti} < 0,1$ mOhm (measured with spade connection)
- Contact resistance $R_{DAg} < 0,14$ mOhm (measured with spade connection)
- Insulation resistance $R_{iso} > 10^{10}$ Ohm (500V)

5. Connection options

- | | |
|--|------------------|
| inside | outside |
| solder (optimal for cables up to 4 mm ² / 11 AWG) | 4 mm banana plug |
| plug (for 6.3 mm flat push-on cable shoe) | Spades |
| | Bare cable |

6. Mounting

- chassis drill hole $\varnothing 11,5^{+0,2}$ mm with slot 2.5 x 2 mm for twist prevention (see drilling scheme)
- for wall thickness from 0.9 to 10.0 mm / with Puzzle Plate WBT-9410 from 0.9 to 8.0 mm
- recommended distance between two terminal centres: 30 mm
- recommended tightening torque for the Counter Nut (8): 1.5 Nm

7. Mounting suggestion

- Impact Sound Interrupter WBT-0718, Version V
- cabinet wiring with nextgen™ Flat Push-On Cable Shoe WBT-0655

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

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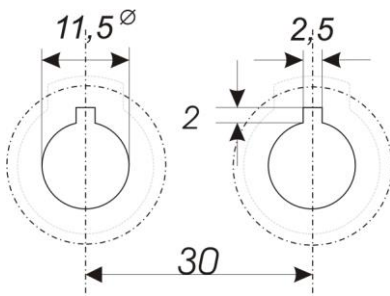
Hybrid construction for high contact quality



Environmentally friendly and resource-saving production



Fully automated production Made in Germany, 100%!



Mounting suggestion:
Impact Sound Interrupter WBT-0718



certified according to
EN IEC 62 368-1 (ES1, PS3),
UL - V1
and
RoHS compliant

