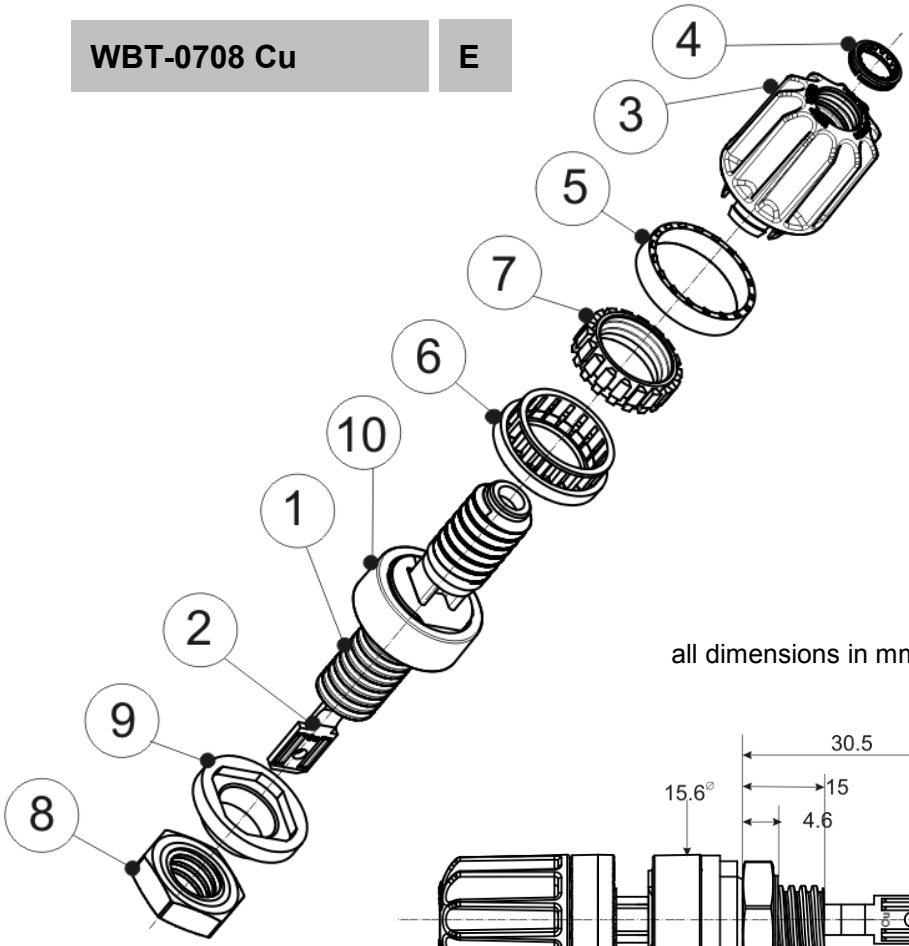
WBT-0708 Cu | **E**

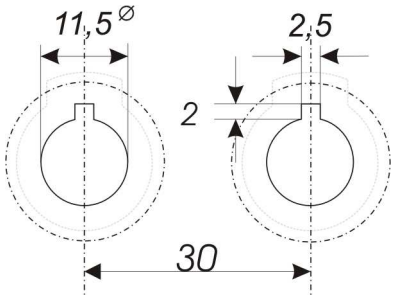


all dimensions in mm

Component list		
1	Base element, PA	1
2	Signal conductor, Cu Pure copper	1
3	Pressure nut, PC	1
4	Marking ring, PA	1
5	Indicator, retaining element, PC	1
6	Damping unit, TPE	1
7	Pressure ring, PC	1
8	Counter nut , PA	1
9	Double Step washer, PA	1
10	Covering ring, PC	1
Extent of delivery 1 – 10 mounted		
Revision date 30.05.2013		

[1] LOCTITE is a registered trademark of Henkel • WBT and nextgen are registered trade marks of WBT Germany

WBT - nextgen™
Hybrid construction for high contact quality
Environmentally friendly and resource-saving production
Fully automated production Made in Germany, 100%!



Mounting suggestion or
hint: impact sound interrupter WBT-0718

IEC, EN and RoHS compliant
UL – style: V1

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nextgen™ Pole Terminal WBT-0708

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

Pole terminal for cabinet wall mounting, *plug - / solderversion*

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 (9)	PA
– Marking ring (4) and double step washer (9)	PA
– Damping ring (6)	TPE
– Indicator / retaining (5), pressure ring (7)	PC
– Pressure nut (3) and covering ring (10)	PC

3. Surfaces
- Signal conductor: gold plated, Ni-free, non ferromagnetic

4. Operating characteristics (reliably observed after more than $>10^3$ connection / disconnections)

– Permanent current	I_D	≥ 30 A
– Peak current	I_S	≥ 200 A
– Transition resistance	$R_ü$	< 0,1 mOhm (measured with spade connection)
– Contact resistance	R_{DAg}	< 0,14 mOhm (measured with spade connection)
– Insulation resistance	R_{iso}	$> 10^{10}$0hm (500V)

5. Connection options
- solder (optimal for cable up to 4 mm^2 / 11 AWG)
- plug (for 6.3 mm flat push-on shoe)

6. Mounting
- chassis drill hole ⌀11.5 $^{+0,2}$ mm with slot 2.5x2 mm for twist prevention (see left → 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): 2.1 Nm
- recommended fluid nut lock for the counter nut (8): LOCTITE 480 [1]

7. Mounting suggestion
- impact sound interrupter WBT–0718,
- cabinet wiring with nextgen™ female blade connector WBT–0650/-0655, 30 A with contact retaining and vibration damping