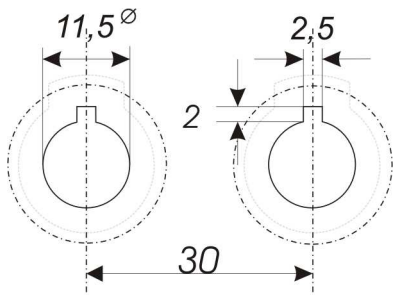
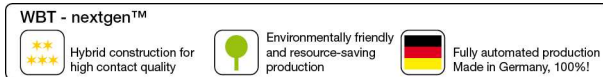


| Component list                    |                                     |   |
|-----------------------------------|-------------------------------------|---|
| 1                                 | Base element, PA                    | 1 |
| 2                                 | Signal conductor, Ag<br>Fine silver | 1 |
| 3                                 | Pressure nut, PC                    | 1 |
| 4                                 | Marking ring, PA                    | 1 |
| 5                                 | Indicator, retaining element<br>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          |                                     |   |

<sup>1)</sup> LOCTITE is a registered trademark of Henkel • WBT and nextgen are registered trade Marks of WBT Germany



Mounting suggestion or  
hint: impact sound interrupter WBT-0718



## 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) fine silver
- Base element (1) PA
- Counter nut (8) 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: passivated, Ni-free, non ferromagnetic

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

- Permanent current  $I_D \geq 30$  A
- Peak current  $I_S \geq 200$  A
- Transition resistance  $R_{Dag} < 0,1$  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

- solder (optimal for cable up to  $4 \text{ mm}^2 / 11$  AWG)
- plug (for 6.3 mm flat push-on shoe)

### 6. Mounting

- chassis drill hole  $\varnothing 11.5^{+0.2}$  mm with slot  $2.5 \times 2$  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 <sup>1)</sup>

### 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