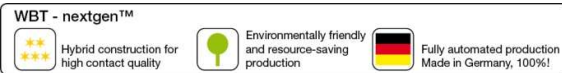


All dimensions in mm

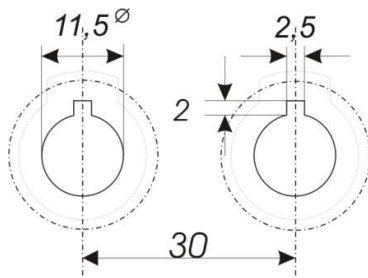
Component list		
1	Base element, PA	1
2	Signal conductor, Cu pure copper	1
3	Counter nut, PA	1
4	Pressure nut, PA	1
5	Pressure nut cap, Ms	1
6	Marking ring, PA	1
7	Damping ring	1
8	Covering ring, Ms	1
9	Double step washer, PA	1
Extent of delivery 1 – 9 mounted		
Revision date 02.11.2018		

¹⁾ LOCTITE is a reg. trademark of Henkel • WBT und nextgen are registered trademarks of WBT GmbH



WBT- 0705 nextgen™ Pole Terminal

(Internat. Patents and Design Patents EP 1 470 620, EU 953 849)
Pole terminal for cabinet wall mounting, *plug- / solder version*



Mounting suggestion

- 1. Mechanics**
- One piece, low tolerance contact element
 - Fully insulated construction
 - Vibration control, electrical and mechanical

- 2. Materials**
- Signal conductor (2) pure copper
 - Base element (1) PA mineralized, fibre-glass reinforced
 - Counter nut (3) and Pressure nut (4) PA, fibre-glass reinforced
 - Marking ring (6) and Double step washer (9) PA 6.6
 - Damping ring (7) TPE
 - Pressure nut cup (5), Covering ring (8) brass

- 3. Surfaces**
- Signal conductor gold plated, Nickel-free, non ferromagnetic
 - Pressure nut cup, Covering ring Au 0.5 µm
 - all metallic parts 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 $R_u < 0.1$ mOhm (measured with spade connection)
- Contact resistance $R_{DAg} < 0.14$ mOhm (measured with spade connection)
- Insulation resistance $R_{iso} > 10^{10}$ Ohm (500 V)

5. Connection Options

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

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 10.0 mm. With puzzle plate WBT-9410 (s. picture on left) from 0.9 to 8.0 mm
- recommended distance between two terminal centres: 30 mm
- recommended tightening torque for the counter nut (3): 2.1 Nm
- Recommended fluid nut lock for the counter nut (3): LOCTITE 480 ¹⁾



WBT-0705 Cu
RoHS compliant