nextgen™ Pole Terminal WBT- 0708

(Patents and Design Patents 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 fastener power (torque control)
   - Locking feature for contact pressure
   - Vibration damping against sound impact

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
   - Signalleiter: gold plated, Ni-free, non ferromagnetic

4. Operating characteristics (reliably observed after more than >10^3 connection / disconnections)
   - Permanent current $I_{p} \geq 30$ A
   - Peak current $I_{V} \geq 200$ A
   - Transition resistance $R_{t} < 0.1 \text{ mOhm (measured with spade connection)}$
   - Contact resistance $R_{c} < 0.14 \text{ mOhm (measured with spade connection)}$
   - Insulation resistance $R_{i} > 10^{10} \text{Ohm (500V)}$

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

6. Mounting
   - chassis drill hole Ø11.5 +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): 1.8 Nm
   - recommended fluid nut lock for the counter nut (8): LOCTITE 480

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

IEC, EN und RoHS konform
UL – style: V1

WBT- 0708 Cu

Component list

1. Base element, PA
2. Signal conductor, Cu Pure copper
3. Pressure nut, PC
4. Marking ring, PA
5. Indicator, retaining element, PC
6. Damping unit, TPE
7. Pressure ring, PC
8. Counter nut , PA
9. Double Stepp washer, PA
10. Covering ring, PC

Extent of delivery 1 – 10 mounted

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