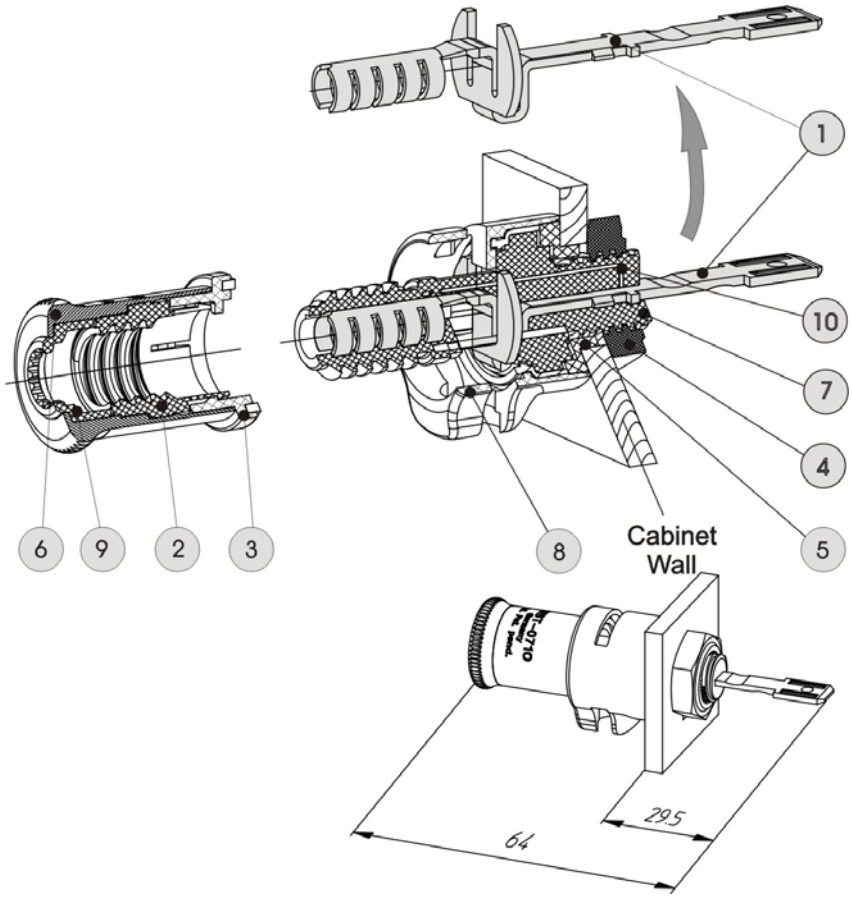
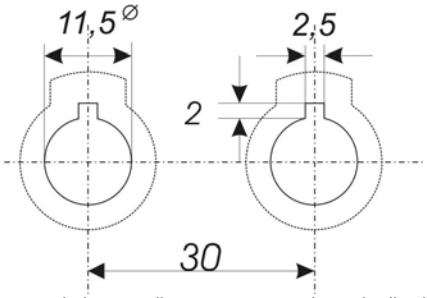
WBT-0710 E



Component List		
1	Signal conductor 'Plus', pure copper or fine silver	1
2	Pressure Nut PA 6.6, fibre-glass reinforced	1
3	Pressure Ring with internal damping ring	1
4	Counter Nut, PA 6.6, fibre-glass reinforced	1
5	Double Step Washer PA 6.6,	1
6	Adjusting Nut Cap, brass	1
7	Base Element Tedur[3)]	1
8	Isolation Bowl, Makrolon[2)]	1
9	Marking Ring	1
10	VA reinforcement (stainless steel)	1
Extent of delivery 1 – 10 mounted		
Revision date 27.07.2006		

[1)] Elastolan 95 is a registered trademark of Elastolan AB • [2)] Makrolon is a registered trademark of Bayer AG • [3)] Tedur is a registered trademark of Albis Plastic GmbH • WBT and nextgen are registered trademarks of WBT GmbH



(recommended centre distance, suggested standardization)
Drilling scheme (original size)

WBT-0710
RoHS compliant

WBT-0710 Pole Terminal nextgen™

(International. Pat. EP 1470620)

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

1. Mechanics
   - One piece, low tolerance contact element (Tol. < ± 0.02 mm)
   - Fully insulated construction

2. Materials

– Signal conductor(1) :	Pure copper or fine silver
– Base element (7),	Tedur™, PA mineralized, fibre-glass reinforced
– Counter Nut (4) and Pressure Nut (2)	PA, fibre-glass reinforced
– Marking Ring (5) and Double Step Washer (9)	PA 6.6
– Damping Ring in (3)	Elastolan 95[1)]
– Pressure Ring (3) and Insulation Bowl(8)	Makrolon[2)]
– Adjusting Nut Cap (6)	Brass
– Reinforcement (10)	Stainless steel, non ferromagnetic

3. Surfaces:
   - Signal conductor: Cu: WBT -24-carat-gold plating, bronze 5 µm, Au 0.3 µm
     Ag passivated
   - Adjusting Nut Cap: direct one layer gold plated with Au 0.3 µm
   - All materials, including surfaces, are free from substances with ferromagnetic properties

4 Operating Characteristics (reliably observed after more than 10^3 connections/disconnections)

– Permanent current	I_D	> 30 A
– Transition resistance	$R_ü$	< 0.1 mOhm (measured with spade connection)
– Contact resistance	R_{DCu}	< 0.15 mOhm (measured with spade connection)
– Contact resistance	R_{DAg}	< 0.14 mOhm (measured with spade connection)
– Insulation resistance	R_{iso}	> 10^{10}0hm

5. Connection Options
   - solder for cable (up to 4 mm^2)
   - plug, for 6.3 mm flat push-on cable shoe

6. Mounting
   - Chassis drill hole ∅11.5 $^{+0,2}$ mm with slot 2.5x2 mm for twist prevention (see drilling scheme)
   - Wall thickness 0.9 - 5 mm. With puzzle plate WBT-9410 (s. picture on left): 0.9 – 3 mm
   - Recommended distance between two terminal centres: 30 mm
   - Recommended tightening torque for the counter nut (4): 0.8 Nm

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