

## Table of contents

1	Base element	1
2	Adjusting nut	1
3	Double step washer with square socket and tappet, PA, red, white or black	1
4	Counternut	1
5	Insulating puzzle lock washer, PC, black	1
10	Optional Torx® screw, M4 x 7, brass	1
11 12	Optional serrated lock washer, bronze, with antifatigue hex bolt, M4 x 14 mm, brass	1
13	Optional serrated lock washer M9, bronze	1

Extent of delivery: 1-2 mounted, 3-5 attached, 10-13 optional

Revision date: 2001-04-17

All rights reserved by WBT - Petty patent (DBGM 90020367) and int. registered design (M9001263) by WBT. WBT is a reg. trademark of WBT, Germany. Torx is a reg. trademark of Camcar Textron, USA.

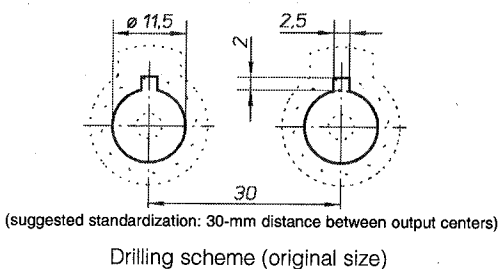
Also available as fully insulated, contact-protected part (WBT-0785), in accordance with the safety standards of CE\* und IEC\*\* 65.

\* CE is the abbreviation of Conformité Européenne.  
\*\* IEC is the abbreviation of International Electrotechnical Commission.

All dimensions in mm

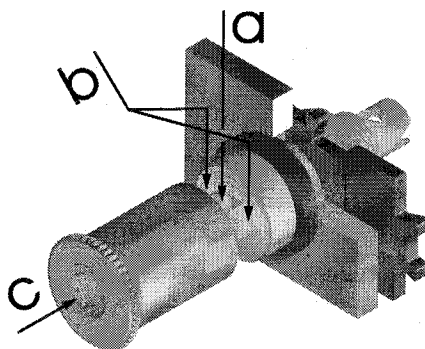
## WBT-0780 Pole terminal

### High-current pole terminal for cabinet mounting, mushroom style



(suggested standardization: 30-mm distance between output centers)

Drilling scheme (original size)



External connection possibilities  
(see under 5.)

- Mechanics**
    - single-segment, low-tolerance contact elements (tol. less than  $\pm 0.05$  mm)
    - solid basic element with 4-mm boring for banana plug, internal screw box and cross boring (dia. 5.6 mm) also for thick cables. Adjusting nut with extra-fine thread (0.5 pitch) for optimum contact pressure.
  - Materials**
    - all solid parts made of highly ductile "OFC" copper alloy
    - insulating material: polyamide (PA) 6 (10% glass fibre), red, white or black / polycarbonate (PC) (30% glass fibre), black
  - Surfaces**
    - WBT velour chromium, Ni 5,0  $\mu$ m
  - Operating characteristics**
    - constand current  $I_n > 200$  A
    - contact resistance  $R_0 \leq 0.1$  mohms (clamp connection)
    - contact resistance  $R_0 \leq 0.15$  mohms (plug connection with standard banana plug)
    - contact resistance  $R_0 \leq 0.1$  mohms (plug connection with WBT banana plug)
    - volume resistance  $R_b \leq 0.003$  mohms
    - isolation resistance  $R_{iso} > 10^{10}$  ohms
  - Terminals**
    - internal connection (for cables up to 4 mm<sup>2</sup> (AWG 12)):
      - - soldering version,
      - - crimping version (only with additional Torx® screw 10)
      - - screwing on pc-board (only with additional antifatigue bolt 11 and fan shape washer 12) or for ring lugs
    - external connection:
      - a) for cable ends up to 6 mm<sup>2</sup> (AWG 10)
      - b) spade lugs (with 6- and 8-mm contact fork)
      - c) for 4-mm banana plugs
  - Mounting**
    - boring:  $\varnothing 11.5^{+0.2}$  mm with 2.5 x 2 nut for twist protection
    - Recommended torque: for the counter nut: 8.5 Nm, for the antifatigue bolt: 1.1 Nm
    - WBT also offers special parts and information hereto. Please ask us!
- New:** WBT mounting plates made of aluminium, mono- and bi-wiring plates equipped with WBT terminals are also available.