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Extend of delivery: 1-7, all parts mounted

Revision date: 25.04.1997

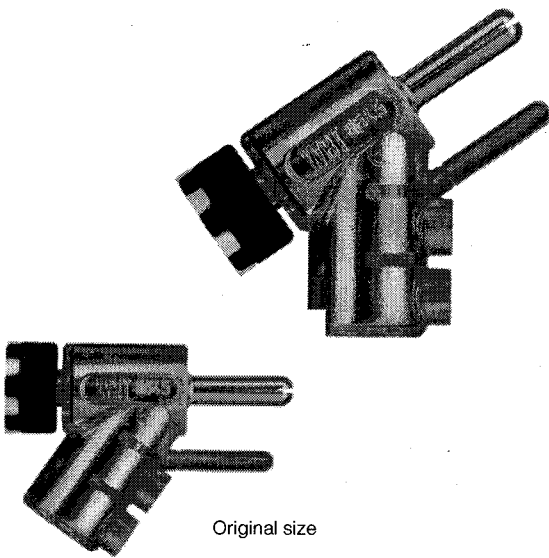
Int. Pat. 29703602.5  
 Int. Pat. pend. 96/00286  
 Design Pat. M9500657.5  
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 WBT is a reg. trademark of WBT, Germany.  
 \* Torx is a reg. trademark of Camcar Textron, USA.  
 \*\* Safety-pin-banana is developed by WBT and applied for international patent.  
 \*\*\*CE is the safety mark of conformity of the European Union

All dimensions in mm

## Safety-pin-banana\*\* WBT-0645

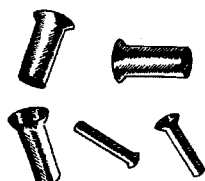
- The insulated high-current plug for professional use
- Misuse protection thanks to new safety-pin\*\* preventing from insertion into mains outlet. CE\*\*\* approved loudspeaker connection

- Mechanics
  - one-piece construction, contact elements with narrow tolerance (tol. < ± 0.05 mm)
  - massive base element with 4-mm banana connection
  - contact pressure through knurled spindle with expandable mandrel
- Materials
  - all solid parts made of "OFC"-copper alloy (52% Cu)
  - insulation material: base element PC-2805 (polycarbonate), transparent, T.-max. 85-110°C. Coating and name plate: ABS (acrylonitrile-butadiene-styrene copolymer), cobaltblue-red-white, T.-max. 50-95°C.
- Surface
  - of the base element: WBT 24-carat gold-plating  
Cu 1.5 µm, Ni 8 µm, Au 0.2 µm
- Operating characteristics
  - constant current  $I_D > 10^2$  A
  - authorized max. peak current  $I_S > 10^3$  A
  - contact resistance  $R_C \leq 10^{-4}$  ohms
  - insulation resistance  $R_{iso} > 10^{14}$  ohms
  - electric strength of the insulation > 30 kV



## Accessories / Tool recommendation:

WBT offers a wide range of crimping accessories: gold-plated strand end sleeves made of highly conductive electrolyte copper (E-Cu with a purity of 99,996%) in all standard sizes from 0.5 to 16 mm², special crimping pliers for the above mentioned tasks and a crimpset for starters.



- Terminals
  - designed for solder-free crimped connections
  - internal terminal for crimped cable ends up to 10 mm², permanent fixing by self-securing headless screws
  - external terminal for bi-wiring with 4-mm banana plug
- Mounting (as pictured below)

