

WBT-0730

classic pole terminal

for cabinet mounting; for cables up to 6.0 mm² (9 AWG)

US Patent 5,226,841

WBT-0730 is available in 3 versions:
WBT-0730.01 gold | **WBT-0730.11** gold polished | **WBT-0730.12** platinum polished

A precise functionality of the best measuring instruments can only be achieved if the necessary contacting components are of the equivalent state-of-the-art. The pole terminal WBT-0730 offers the best qualifications hereto through its ingenious mechanics. All three models guarantee an outstanding contact quality and security. Moreover, the surfaces of the pole terminals WBT-0730.11 and WBT-0730.12 are highly compressed which enables a direct surface refinement with gold respectively platinum. Thanks to this the WBT products feature clearly decreased transition resistance, high conduction of current and excellent corrosion resistance. All three models have nickelfree surface treatment.



Termination options

WBT-0730 is perfectly designed to accept 4 mm banana plugs in the front part of its adjusting nut. Thanks to WBT's patented adjusting nut system also spade lugs as well as crimped cable ends up to 6 mm² (9 AWG) can be clamped very effectively in the WBT-0730. Especially the free running compression pad of the two-pieces adjusting nut construction insures constant contact pressure. Its cross-milled surface furthermore prevents from shearing the cable strands in case bare wire is used.

Internal termination

WBT-0730 adopts cables up to 10 mm² (7 AWG). Recommended cable connection: crimp technique. Cable ends can be perfectly fastened by the means of Torx* screw and the corresponding Torx screwdriver (T.6) supplied with the pole terminal. If soldering is chosen, WBT recommends application of the silver solder WBT-0800 or WBT-0805 which are gentle on precious metal surfaces.

For bi-wiring

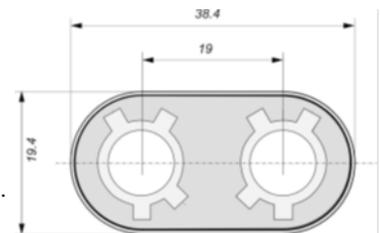
If you want to use your WBT-0730 for bi-wiring in combination with the Power Bridges WBT-0725, the terminals need to be installed separately without the connection bracket at a minimum distance of 30 mm (from center to center). The distance to the second pair of terminals needs to be 60 mm exactly.

Build-in constructions

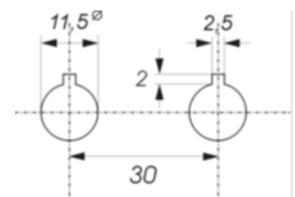
The pole terminals WBT-0730 are suitable for mounting on measuring and gain control amplifier as well as transducer with wall thickness from 0.5 to 10 mm. You can mount your WBT-0730 whether with the connection bracket or separately (without the bracket).

- **with connection bracket** (for wall thickness from 0.5 to 5 mm).
 Narrow position of the terminals with just 19 mm distance from one terminal center to the next. Recommended in case 19 mm double bananas are used. At this distance the black puzzle plates can be clipped together. This WBT build-in conception protects your WBT-0730 reliably from rotation. Using this way of mounting one should shorten the puzzle plates at the breaking point.
- drill hole of 11.0 mm dia.
- part which stand out of panel: 33.3 mm
- the terminal can be installed in steps of 45°

- **separately**, without the bracket (for wall thickness from 0.5 to 10 mm)
 If you mount them separately, you are free to choose any distance. WBT suggests a distance of 30 mm, since the black puzzle plates can be clipped together in this case. This WBT build-in conception protects your WBT-0730 reliably from rotation. Also if this way of mounting is chosen the terminals will be insulated to the cabinet.
- drill hole of 11.5 mm dia., with nut 2.5 x 2 mm for twist protection
- part which stands out of the panel: 28 mm

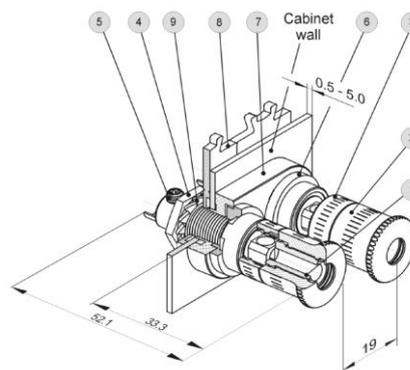


drilling scheme



(all measures in mm)

- ① Base element
- ② Adjusting nut
- ③ free-running compression pad
- ④ Counternut
- ⑤ Torx screw
- ⑥ Double step washer with nose
- ⑦ 19 mm connection bracket
- ⑧ Puzzle plate
- ⑨ additional serrated lock washer (not included)



Operating features

- constant current
- peak current
- transition resistance (WBT-0730.01, -.11. . -12)

$$I_D \geq 70 \text{ A}$$

$$I_S \geq 250 \text{ A}$$

$$R_{\bar{u}} \leq 0.1 \text{ mOhm}$$

Important: The pole terminal WBT-0730 is only permitted for low voltage application.

* Torx is a registered trademark of Camcar Textron, USA.

WBT and nextgen are registered trademarks of WBT Germany.

Detailed product information available. Design and specifications subject to change without notice.