PRODUCT DATA SHEET

Lightning protection systems

Equipotential bonding components

Code: 6225441-71
Description: Tin plated copper alloy end clamp for Ø8mm conductor, code 6225441-71

Application

Clamp, for connecting solid round or stranded conductor to metallic surfaces. Used in air termination system, down conductor system, earthing system.



Classification as per IEC EN 62561

- Heavy duty (H – 100 kA)
- General use
- Not intended to withstand a static mechanical load
- Non-permanent connection

Technical characteristics - Installation instructions

Material	Body: Tin plated copper (Cu/eSn). / Screw terminal: Tin plated copper alloy (Cu-A/eSn).
Description	Is consisted of a copper body which bonds to the metallic surface, a copper alloy special design screw terminal M10x20 mm and base for the screw terminal which clamps the conductor and a stainless steel M10 nut.
Connection to metallic surface	Through one screw (M10) or two screws (M8 or M10), not included.
Conductor's dimensions	Ø8 mm (50 mm2).
Connection arrangements	Parallel to metal installation (B5). / “T” to metal installation (B6).
Installation	Above ground, buried in ground, embedded in concrete.
Can be connected above ground with	Conductors made from Cu, Cu/eSn, Stainless Steel (SSt), St/eCu, St/tZn & metallic surfaces made from Cu, Stainless Steel (SSt), St/tZn connection to other metallic surfaces (e.g Al) should be performed through bimetallic contact in order to avoid any electrochemical corrosion.

Can be connected buried in ground with	Cu, Cu/eSn, Stainless Steel (SSt), St/eCu.
Can be connected in concrete with	Cu, Cu/eSn, Stainless Steel (SSt), St/eCu, St/tZn.
Tightening torque	17 Nm.

Testing as per IEC EN 62561

The component has successfully passed the testing requirements of standard IEC EN 62561-1 “Lightning protection system components (LPSC) – Part 1 : Requirements for connection components”. Test report No **31005-I** by accredited laboratory as per ISO 17025.

ELEMKO management systems

- ISO 9001
- ISO 14001
- ISO 45001

Country of Origin

Greece

Unit: piece / Package: 50 pieces

We reserve the right to introduce changes in the component due to technical evolution.