

PRODUCT DATA SHEET

LIGHTNING PROTECTION AND EARTHING SYSTEM COMPONENTS

Code: 62 25 440 (copper alloy clamp) / 62 25 441 (tin plated copper alloy clamp)

ed.02/2021

Description: End clamp

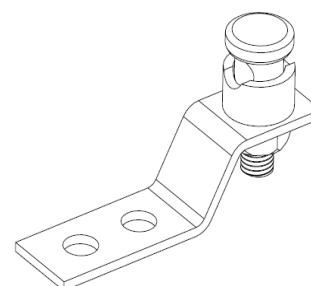
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Application

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

Material	Body: Copper (Cu) and/or tin plated copper (Cu/eSn) Screw terminal: Copper alloy (Cu-A) and/or 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 M10x25 mm and base for the screw terminal which clamps the conductor and a stainless steel M10 nut.
Connection to metallic surface	Through two screws M8 or M10 (not included);

Installation instructions

Conductor's dimensions	Ø8 mm (50 mm ²)
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 & metallic surfaces made from Cu, Stainless Steel (SSt), connection to other metallic surfaces (e.g Al, St/tZn) 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

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

Manufacturing Quality Control

Manufacturing quality control according standard ISO 9001

Country of Origin

Greece

Optional accessories

Bimetallic contact, ELEMKO code 65 10 100

Unit: piece / Package: 50 pieces

See following typical application of the clamp.

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

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