PRODUCT DATA SHEET

Earthing components

Connection components for earth conductors

Substation earthing

Lightning protection systems

Connection components for LPS conductors

Code: 6221810-71
Description: Copper connection clamp for Ø8–10mm conductors, code 6221810-71

Application

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



Classification as per IEC EN 62561

- Heavy duty (H – 100 kA) (1)
- General use (1)
- Intended to withstand a static mechanical load (1)
- Non-permanent connection (1)
- Short circuit withstand capability 15 kA rms for 1s

(1) As per IEC EN 62561

Technical characteristics

Material	Copper (Cu).
Description	Is consisted of two external plates with dimensions 50x50 mm and one intermediate plate.
Bolts / nuts	M6x25 mm, V2A stainless steel carriage bolts, M6 V2A stainless steel nuts.
Conductor's dimensions	Ø8–10 mm (50–70 mm2).
Connection arrangements	Cross (B1). / Parallel (B2).
Installation	Above ground, buried in ground, embedded in concrete.
Can be connected above ground with	Cu, Cu/eSn, SSt (Stainless Steel), St/eCu.

Can be connected buried in ground with	Cu, Cu/eSn, SSt (Stainless Steel), St/eCu.
Can be connected in concrete with	Cu, Cu/eSn, SSt (Stainless Steel), St/eCu, St/tZn.
Tightening torque	9 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 **30749** by accredited laboratory as per ISO 17025.
The component has successfully passed short circuit withstand capability tests. Test report No **1405/2022/DKK-16**

Manufacturing Quality Control

- ISO 9001
- ISO 14001
- ISO 45001

Country of Origin

Greece

Unit: piece / Package: 25 pieces

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