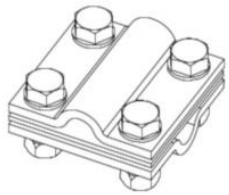
PRODUCT DATA SHEET

Earthing components

Substation earthing

Code: 6222312-71
Description: Copper connector for substation grounding (IEEE 837), Ø12–14mm/Ø12–14mm , code 6222312-71



Application

Clamp, for connecting solid round rods or stranded conductors. Used in substation grounding.

Classification as per IEEE 837

- Electromagnetic force withstand: Asymmetrical current 130 kA fisrt peak, 55 kArms @ 160ms
- Fault current withstand: 9 kA @ 10s
- Corrosion withstand: 500h of continuous salt spray

Technical characteristics - Installation instructions

Material	Copper (Cu)
Description	It is consisted of two external plates with dimensions 60x60 mm and one intermediate plate.
Bolts / nuts	M8x30 mm, V2A stainless steel hexagon head bolts. M8 V2A stainless steel nuts, washers & spring lock washers.
Rod's / conductor's dimensions	Ø12–14 mm rod (95–120 mm2 stranded conductor).
Connection arrangements	Cross. / Parallel.
Installation	Above ground, buried in ground, embedded in concrete.
Can be connected above ground with	Cu, Cu/eSn, Stainless Steel (SSt), St/eCu.
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	30 Nm.

Testing as per IEEE 837

The component has successfully passed the testing requirements of standard IEEE std 837: “IEEE standard for qualifying permanent connections used in substation grounding”.
Test report No **32167** and No **32195** by accredited laboratory as per ISO 17025

ELEMKO management systems

- ISO 9001
- ISO 14001
- ISO 45001

Country of Origin

Greece

Unit: piece / Package: 20 pieces

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