

PRODUCT DATA SHEET

Earthing components Substation earthing

Code: 6221317-71

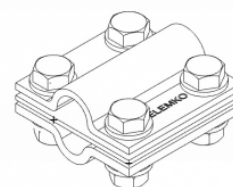
**Description: Copper connector for substation grounding (IEEE 837),
Ø12-14mm/Ø16-17mm , code 6221317-71**

Application

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

Classification as per IEEE 837

- Electromagnetic force withstand:
Asymmetrical current 108 kA first peak, 52 kArms @ 135ms
- Fault current withstand: 7,8 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.
Conductor's / rod's dimensions	Ø12-14 mm (95-120 mm ²) / Ø16-17 mm.
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.
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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 **32166** 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.