

PRODUCT DATA SHEET

LIGHTNING PROTECTION AND EARTHING SYSTEM COMPONENTS

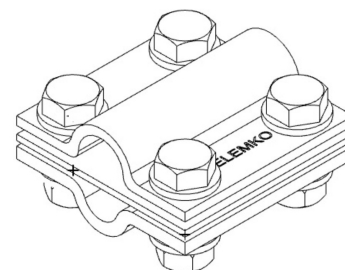
Code: 62 21 317
ed.09/2024
Description: Conductor connection clamp

Application

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

Classification as per IEEE 837:2014

- Electromagnetic force withstand:
Asymmetrical current 108 kA first peak, 52 kA rms @ 135ms
- Fault current withstand: 7,8 kA @ 10s
- Corrosion withstand: 500h of continuous salt spray



Technical characteristics

| | |
|--------------|--|
| Material | Copper (Cu) |
| Description | 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 and spring lock washers |

Installation instructions

| | |
|--|--|
| 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 (SS), St/eCu |
| Can be connected buried in ground with | Cu, Cu/eSn, Stainless Steel (SS), St/eCu |
| Can be connected in concrete with | Cu, Cu/eSn, Stainless Steel (SS), 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 **32166** by accredited laboratory as per ISO 17025

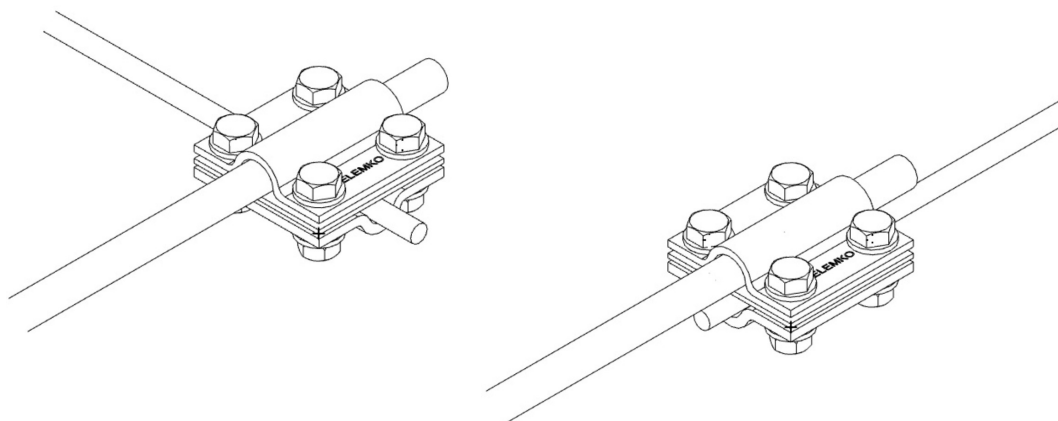
Manufacturing Quality Control

Manufacturing quality control according standard ISO 9001

Country of Origin

Greece

Unit: piece



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