

# PRODUCT DATA SHEET

## Lightning protection systems

### Fasteners for lightning protection conductors

**Code: 6121102-71**

**Description: Copper fastener for Ø8-10mm conductor, code 6121102-71**

#### Application

Fastening round or stranded conductor. Used in air termination system, down conductor system. Suitable for brick or concrete surfaces.



#### Classification as per IEC EN 62561

- Metallic.
- With screws.
- Designed to clamp but allow axial movement of the conductor.

#### Technical characteristics - Installation instructions

Material	Conductor fastener: copper (Cu) / Spacer: plastic (PL)
Screws	M6x16 mm, V2A stainless steel screws, one stainless steel wood fixing screw
Withstands (according to IEC EN 62561-4)	Lateral load, 200 N / Axial load, 50 N
Conductor's dimensions	Ø8-10 mm (50-70 mm <sup>2</sup> )
Compatibility with conductors made of	Cu, Cu/eSn, SSt (Stainless Steel), St/eCu
Tightening torque of conductor	3,5Nm
Fixing on brick or concrete	Through a wood fixing screw (included) and a PVC wall plug Ø8 mm (not included)
Spacing between fasteners of air termination conductors	≤1000 mm for solid conductor <sup>1</sup> ). / ≤500 mm for stranded conductor <sup>1</sup> ).
Spacing between fasteners of down conductors	≤1000 mm for solid conductor. / ≤1000 mm for stranded conductor used for heights ≤20 m. / ≤500 mm for stranded conductor for heights ≥20 m.

Before and after of change of direction or clamp or contraction-expansion absorbing component.  $\leq 300$  mm.

### Testing as per IEC EN 62561

The component has successfully passed the testing requirements of standard IEC EN 62561-4 "Lightning protection system components (LPSC) – Part 4 : Requirements for conductor fasteners".

Test report No **31389** by accredited laboratory as per ISO 17025

### ELEMKO management systems

- ISO 9001
- ISO 14001
- ISO 45001

### Country of Origin

Greece

### Optional accessories

PVC sealing washer, ELEMKO code 61 73 202

### Unit: piece / Package: 50 pieces

1) Where additional mechanical strength is required, e.g snow, strong winds etc, the spacing between the fasteners should be  $\leq 300$  mm.

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