

## PRODUCT DATA SHEET

### LIGHTNING PROTECTION AND EARTHING SYSTEM COMPONENTS

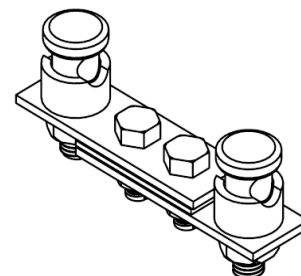
**Code: 62 45 042**
**ed.07/2025**
**Description: Bimetallic test clamp**
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#### Application

Test clamp for solid round or stranded conductors. Used in down conductor system. It can be installed 1,5–2 m above ground level at each down conductor. It is used to facilitate the electrical testing and measurements of Lightning Protection System.

#### Classification as per IEC EN 62561

- Normal duty (N – 50 kA)
- General use
- Not intended to withstand a static mechanical load
- Non-permanent connection



#### Technical characteristics

|                                             |                                                                                                                                                                                                                                                                                                                                 |
|---------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Material of part for Cu conductor           | Copper (body), copper alloy (screw terminal)                                                                                                                                                                                                                                                                                    |
| Material of part for St/tZn or Al conductor | Aluminium (body – base of screw terminal)<br>Hot dip galvanized steel (screw terminal)                                                                                                                                                                                                                                          |
| Description                                 | Is consisted of two parts interconnected with two stainless steel screws and nuts. The tightening of the conductor to each part is achieved with a special design screw terminal M10x20 mm and a M10 nut. A stainless steel contact 52x28 mm interposes between the two parts, in order to avoid any electrochemical corrosion. |
| Bolts / nuts                                | M8x20 mm, V2A stainless steel hexagon head bolts,<br>M8 V2A stainless steel nut,<br>M10 V2A stainless steel nut, M10 hot dip galvanized steel nut.                                                                                                                                                                              |

#### Installation instructions

|                                         |                                   |
|-----------------------------------------|-----------------------------------|
| Conductor's dimensions                  | Ø10 mm (70 mm <sup>2</sup> )      |
| Connection arrangement                  | In-line (B3)                      |
| Installation                            | Above ground                      |
| Can be connected with (Cu, Cu-A part)   | Cu, Cu/eSn, SSt (Stainless Steel) |
| Can be connected with (Al, St/tZn part) | Al, SSt (Stainless Steel), St/tZn |
| Tightening torque                       | 13 Nm (M8), 17 Nm (M10)           |

#### Comply with

The component complies with standard IEC EN 62561-1 "Lightning protection system components (LPSC) – Part 1 : Requirements for connection components".

#### Manufacturing Quality Control

Manufacturing quality control according standard ISO 9001

#### Country of Origin

Greece

#### Unit: piece / Package: 25 pieces

See following applications of the clamp.

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

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