



## LINK BOX TECHNICAL DATA SHEET

Drw. No. **04.08.11**  
Article No. **05611001/0**

Issued Date: 4.08.2021  
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Rev. 00

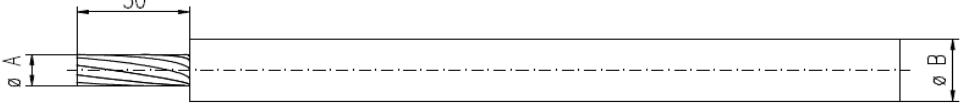
|  |  |            |
|--|--|------------|
| Type                                     | LB. W . E .1SA . 1 . 1   |            |
| - Description                            | One Phase Earthing Link Box for Single Cable                     |            |
| - Designation                            | Wall Type  |            |
| - Bonding                                | Earthing   |            |
| - Sheath Voltage Limiter                 | qty  | 1          |
| - Phase No.                              |  | 1          |
| Earth                                    |  | 1          |
| Drawing Number                           | 04.08.11   |            |
| - Article No                             | 05611001/0   |            |
| Electrical Characteristics               |  |            |
| - Rated Frequency                        | 50/60  | Hz         |
| - SVL Type (*)                           | Up to 18 kV / Optional   |            |
| Protection Class                         |  |            |
|  | IP   | 68         |
| Material                                 |  |            |
| - Enclosure                              | Stainless Steel AISI304 (AISI316 optional)                       |            |
| - Body Thickness (**)                    | 3 mm   |            |
| - Cover Thickness                        | 3 mm   |            |
| - Connection Links                       | 10 µm Tinned Electrolytic Copper                                 |            |
| - Connection Links Dimension             | 40x10 mm (400 mm2)   |            |
| - Gasket                                 | Silicone   |            |
| - Cable Glands                           | 2x48 mm  |            |
| - Cable Glands Insulation                | Silicone gasket & EPR tape & Mastic Tape & Heat Shirinkable Tube |            |
| - Insulation                             | Epoxy Support Insulator  |            |
| - Conductor Fixing                       | Conductor Flexconn - 95-400 mm2                                  |            |
| - Painting Process                       | Electro Static Polyester Powder Paint                            |            |
| - Painting Code                          | RAL 7032   |            |
| - Labeling Material                      | Stainless Steel  |            |
| - Protection Cover                       | PET-G  |            |
| AC Impulse Test                          |  |            |
| - Phase-to-Phase                         | 75   | kV         |
| - Phase-to-Earth                         | 40   | kV         |
| Voltage Withstand Test                   |  |            |
| - AC                                     | 20   | kV/1 min   |
| - DC                                     | 25   | kV/5 min   |
| Short Circuit Test                       |  |            |
| - Symmetrical                            | N/A  |            |
| Internal Power Arcing Test (Symmetrical) |  |            |
|  | 40   | kA/0.1 sec |

\* In case of mismatch in given values, technical drawing provided along with the Order Confirmation is valid. Ask for conformity if SVL is out of EMELEC's scope.

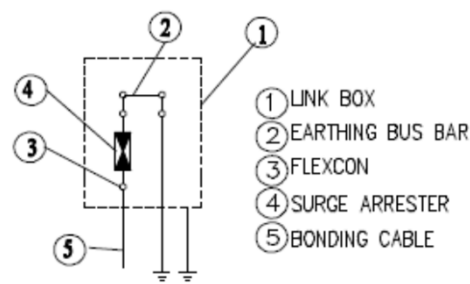
\*\* Body Thickness might differ related to technical drawing revision. For exact value, refer to technical drawing provided along with the Order Confirmation

**Bonding Cable**

| - Type                              |               |               |             |             |             |             |             |             |             |             | Single |
|-------------------------------------|---------------|---------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------|
| Cross-Section<br>(mm <sup>2</sup> ) | Gland Dia     |               | A           |             | B           |             | C           |             | D           |             |        |
|                                     | Outer<br>(mm) | Inner<br>(mm) | min<br>(mm) | max<br>(mm) | min<br>(mm) | max<br>(mm) | min<br>(mm) | max<br>(mm) | min<br>(mm) | max<br>(mm) |        |
| 95-400                              | 48            | 44            | 12          | 24          | 17          | 40          | N/A         | N/A         | N/A         | N/A         |        |



**Schematic Diagram**



**Enclosure Dimensions (\*)**

|        |        |
|--------|--------|
| Width  | 430 mm |
| Length | 500 mm |
| Height | 250 mm |
| Weight | 34 kg  |

**Filling Compound (Optional)**

|        |     |
|--------|-----|
| Volume | N/A |
|--------|-----|

\* Scheme and dimensions are not to be mentioned as final drawing. For exact dimensions, refer to technical drawing provided along with the Order Confirmation  
\*\* Given are approximate values. Actual values might slightly differ.