



LINK BOX TECHNICAL DATA SHEET

Drw. No. **19.04.06**
Article No. **23206001/0**

Issued Date: 4.08.2021
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Rev. 00

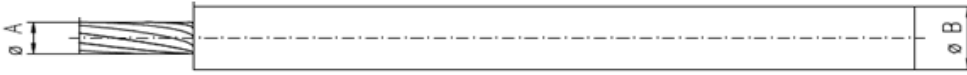
| | | |
|---|--|------------|
| Type | LB. MV . E .3SA . 3 . 1 | |
| - Description | Medium Voltage Earthing Link Box for Single Cable | |
| - Designation | Underground | |
| - Bonding | Earthing | |
| - Sheath Voltage Limiter | qty | 3 |
| - Phase No. | 3 | |
| - Earth | 1 | |
| Drawing Number | 19.04.06 | |
| - Article No | 23206001/0 | |
| Electrical Characteristics | | |
| - Rated Frequency | 50/60 | Hz |
| - SVL Type (*) | Up to 6 kV / Optional | |
| Protection Class | IP 68 | |
| Material | | |
| - Enclosure | Stainless Steel AISI304 (AISI316 optional) | |
| - Body Thickness (**) | 2 mm | |
| - Cover Thickness | 2 mm | |
| - Connection Links | 10 µm Tinned Electrolytic Copper | |
| - Connection Links Dimension | 30x3 (90 mm2) | |
| - Gasket | Silicone | |
| - Cable Glands | 4x21 mm | |
| - Cable Glands Insulation | Silicone gasket & EPR tape & Mastic Tape & Heat Shirinkable Tube | |
| - Insulation | Epoxy Support Insulator | |
| - Conductor Fixing | Cable Lug - Max. 50 mm2 | |
| - Painting Process | Electro Static Polyester Powder Paint | |
| - Painting Code | RAL 7032 | |
| - Labeling Material | Stainless Steel | |
| - Protection Cover | N/A | |
| AC Impulse Test | | |
| - Phase-to-Phase | 35 | kV |
| - Phase-to-Earth | 17,5 | kV |
| Voltage Withstand Test | | |
| - AC | 10 | kV/1 min |
| - DC | 15 | kV/5 min |
| Short Circuit Test | | |
| - Symmetrical | N/A | kA/1sec |
| Internal Power Arcing Test (Symmetrical) | 10 | 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.

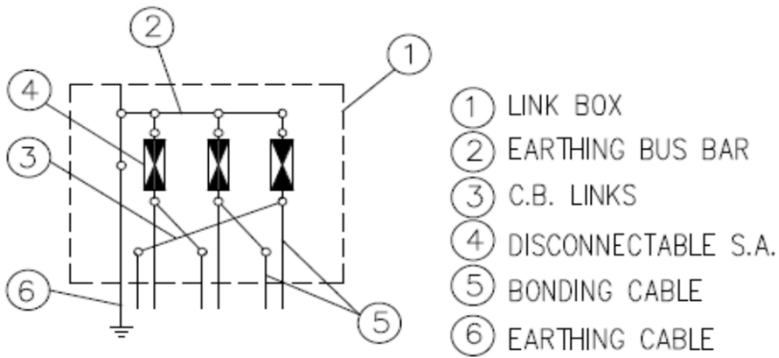
** Body Thickness might differ related to technical drawing revision. For exact value, refer to technical drawing provided along with the Order Confirmation

Bonding Cable

| | | | | | | | | | | |
|--------------------------|-----------|-------|------|------|------|------|------|------|------|------|
| - Type | Single | | | | | | | | | |
| | Gland Dia | | A | | B | | C | | D | |
| Cross-Section: | Outer | Inner | min | max | min | max | min | max | min | max |
| (mm ²): | (mm) | (mm) | (mm) | (mm) | (mm) | (mm) | (mm) | (mm) | (mm) | (mm) |
| Max 50 mm ² : | 21 | 17 | 11 | 8 | 15 | N/A | N/A | N/A | N/A | N/A |



Schematic Diagram



Enclosure Dimensions (*)

| | |
|--------|--------|
| Width | 450 mm |
| Length | 380 mm |
| Height | 210 mm |
| Weight | 20 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.