



LINK BOX TECHNICAL DATA SHEET

Drw. No. **19.04.05**
Article No. **23205001/0**

Issued Date: 4.08.2021
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Rev. 00

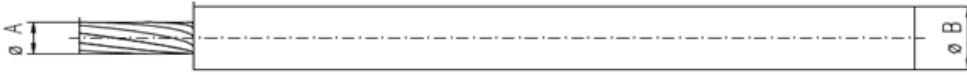
Type	LB. MV . E . 3 . 1
- Description	Medium Voltage Earthing Link Box for Single Cable
- Designation	Underground
- Bonding	Earthing
- Sheath Voltage Limiter	N/A
- Phase No.	3
- Earth	1
Drawing Number	19.04.05
- Article No	23205001/0
Electrical Characteristics	
- Rated Frequency	50/60 Hz
- SVL Type (*)	N/A
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 mm ²)
- 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 mm ²
- 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	N/A kV
- Phase-to-Earth	17,5 kV
Voltage Withstand Test	
- AC	10 kV/1 min
- DC	15 kV/5 min
Short Circuit Test	
- Symmetrical	15 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.

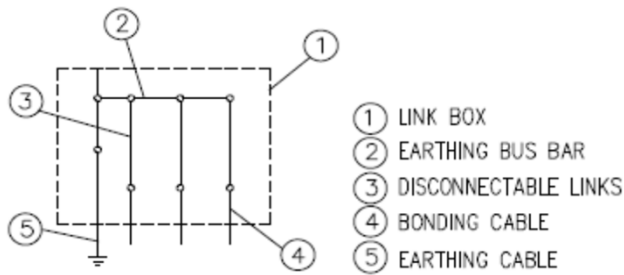
** Body Thickness might differ related to technical drawing revision. For exact value, refer to technical drawing provided along with the Order Confirmation

Bonding Cable

- Type											Single
Gland Dia		A		B		C		D			
Cross-Section (mm ²)	Outer (mm)	Inner (mm)	min (mm)	max (mm)	min (mm)	max (mm)	min (mm)	max (mm)	min (mm)	max (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	150 mm
Weight	18 kg

Filling Compound (Optional)

Volume	N/A
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* 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.