LINK BOX TECHNICAL DATA SHEET

Drw. No. 10.04.03
Article No. 12403001/0

Issued Date:	10.05.2019
Rev. Date:	12.08.2021
Rev.	03

Type   **LB. U . CB .3SA . 3 . 1**

- Description	Three Phase Cross-Bonding Link Box for Coaxial Cable	
- Designation	Underground	
- Bonding	Cross-Bonding	
- Sheath Voltage Limiter	qty	3
- Phase No.		3
Earth		1

Drawing Number   10.04.03

- Article No	12403001/0

Electrical Characteristics

- Rated Frequency	50/60	Hz
- SVL Type (*)	Up to 10 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	3x76 mm & 1x48 mm	
- Cable Glands Insulation	Silicone gasket & EPR tape & Mastic Tape & Heat Shirinkable Tube	
- Insulation	Epoxy Support Insulator	
- Conductor Fixing	Coaxial 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	50	kA/1sec

Internal Power Arcing Test (Symmetrical)   40   kA/0.1 sec

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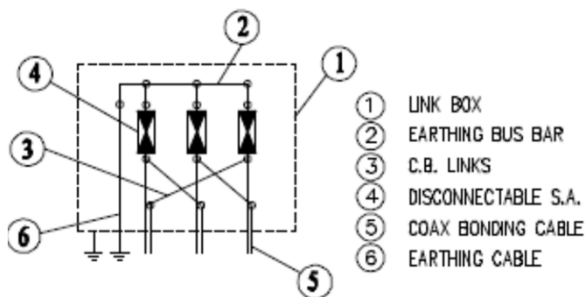
** Body Thickness might differ related to technical drawing revision. For exact value, refer to technical drawing provided along with the Order Confirmation

LINK BOX SPECIFICATION SHEET

Bonding Cable

- Type   Coaxial

Cross-Section (mm2)	Gland Dia Outer (mm)	Inner (mm)	A min (mm)	A max (mm)	B min (mm)	B max (mm)	C min (mm)	C max (mm)	D min (mm)	D max (mm)
95-400	76	72	12	24	20	36	25	48	30	64

Schematic Diagram

① LINK BOX
② EARTHING BUS BAR
③ C.B. LINKS
④ DISCONNECTABLE S.A.
⑤ COAX BONDING CABLE
⑥ EARTHING CABLE
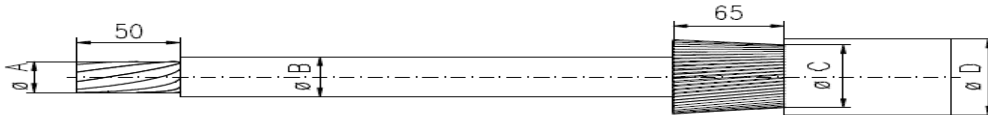
Enclosure Dimensions (*)

Width	690 mm
Length	670 mm
Heigh	334 mm
Weigh	87 kg

Filling Compund (Optional)

Volume	55 lt (**)

*   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 sligthly differ.

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