



LINK BOX TECHNICAL DATA SHEET

Drw. No. **04.09.06**
Article No. **05706001/0**

Issued Date: 10.05.2019
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Rev. 03

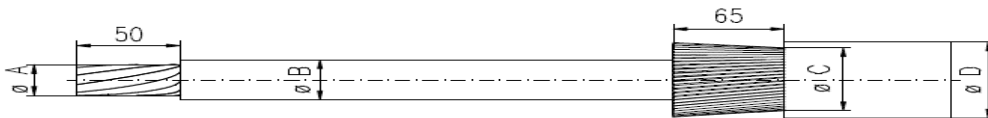
Type	LB. U . CB .3SA . 3 . 1	
- Description	Three Phase Cross-Bonding Link Box for Coaxial Cable	
- Designation	Underground	
- Bonding	Cross-Bonding	
- Sheath Voltage Limiter	qty	3
- Phase No.		3
Earth		1
Drawing Number	04.09.06	
- Article No	05706001/0	
Electrical Characteristics		
- Rated Frequency	50/60	Hz
- SVL Type (*)	Up to 10 kV / Optional	
Protection Class		
	IP	68
Material		
- Enclosure	Stainless Steel AISI304 (AISI316 optional)	
- Body Thickness (**)	2 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

* 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.

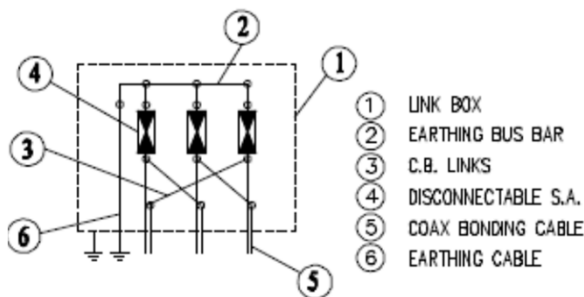
** Body Thickness might differ related to technical drawing revision. For exact value, refer to technical drawing provided along with the Order Confirmation

Bonding Cable

- Type										Coaxial
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)
95-400	76	72	12	24	20	36	25	48	30	64



Schematic Diagram



Enclosure Dimensions (*)

Width	690 mm
Length	670 mm
Height	334 mm
Weight	73 kg

Filling Compound (Optional)

Volume	57 lt (**)
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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.