LINK BOX TECHNICAL DATA SHEET

Drw. No. 05.05.05
Article No. 06505001/0

Issued Date:	*10.05.2019*	
Rev. Date:	*4.08.2021*	
Rev.	*02*	

Type	**LB. W . SB .3SA . 3 . 1**	
- Description	Three Phase Single Point Bonding Link Box for Coaxial Cable	
- Designation	Wall Type	
- Bonding	Single Point	
- Sheath Voltage Limiter	qty	3
- Phase No.		3
Earth		1
Drawing Number	05.05.05	
- Article No	06505001/0	

Electrical Characteristics		
- Rated Frequency	50/60	Hz
- SVL Type (*)	Up to 10 kV / Optional	

Protection Class	IP	66

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	
- 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

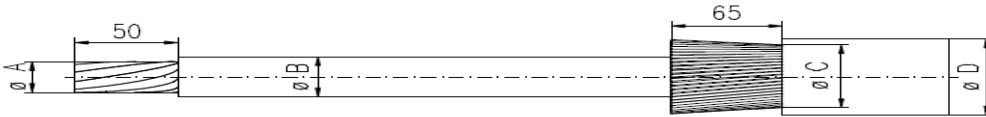| **Internal Power Arcing Test (Symmetrical)**	40	kA/0.1 sec

*   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
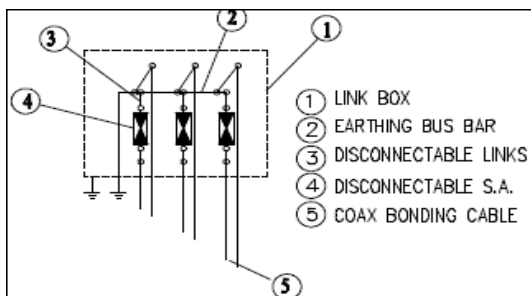
Bonding Cable

| | | Type | | | | | | | | Coaxial |

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

Schematic Diagram

1 LINK BOX
2 EARTHING BUS BAR
3 DISCONNECTABLE LINKS
4 DISCONNECTABLE S.A.
5 COAX BONDING CABLE

Enclosure Dimensions (*)

Width	690 mm
Length	590 mm
Heigh	368 mm
Weigth	79 kg

Filling Compund (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 sligthly differ.