LINK BOX TECHNICAL DATA SHEET

Drw. No. 04.09.03
Article No. 05703001/0

Issued Date:	*10.05.2019*
Rev. Date:	*3.08.2021*
Rev.	*02*

Type
	LB. W . E .3SA . 3 . 1	
- Description	Three Phase Earthing Link Box for Single Cable	
- Designation	Wall Type	
- Bonding	Earthing	
- Sheath Voltage Limiter	qty	3
- Phase No.		3
Earth		1

Drawing Number
	04.09.03
- Article No	05703001/0

Electrical Characteristics
- Rated Frequency	50/60	Hz
- SVL Type (*)	Up to 18 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	4x48 mm	
- Cable Glands Insulation	Silicone gasket & EPR tape	
- Insulation	Epoxy Support Insulator	
- Conductor Fixing	Conductor 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	60	kV
- Phase-to-Earth	40	kV

Voltage Withstand Test
- AC	20	kV/1 min
- DC	25	kV/5 min

Short Circuit Test
- Symmetrical	N/A

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										Single

Cross-Section (mm2)	Gland Dia		A		B		C		D	
	Outer (mm)	Inner (mm)	min (mm)	max (mm)	min (mm)	max (mm)	min (mm)	max (mm)	min (mm)	max (mm)
95-400	48	44	12	24	17	40	N/A	N/A	N/A	N/A

Schematic Diagram

① LINK BOX
② EARTHING BUS BAR
③ FLEXCON
④ SURGE ARRESTER
⑤ BONDING CABLE
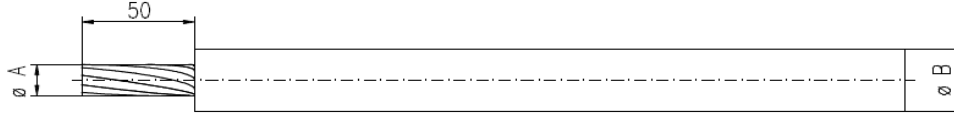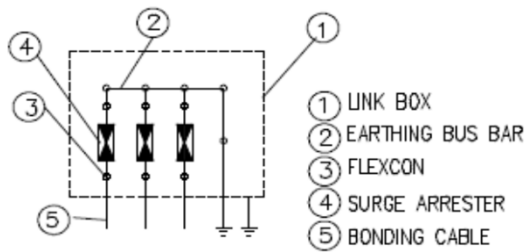
Enclosure Dimensions (*)

Width	550 mm
Length	650 mm
Heigh	250 mm
Weigth	44 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.