



LINK BOX TECHNICAL DATA SHEET

Drw. No. 08.08.04
Article No. 010404001/0

Issued Date: 10.05.2019
Rev. Date: 12.08.2021
Rev. 01

Type	LB. W . E .3SA . 3 . 1	
- Description	Three Phase Earthing Link Box with SVL for Single Cable	
- Designation	Wall Type	
- Bonding	Earthing	
- Sheath Voltage Limiter	qty	3
- Phase No.	3	
Earth	1	
Drawing Number	08.08.04	
- Article No	010404001/0	
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	50x10 mm (500 mm ²)	
- Gasket	Silicone	
- Cable Glands	4x48 mm	
- Cable Glands Insulation	Silicone gasket & EPR tape	
- Insulation	Epoxy Support Insulator	
- Conductor Fixing	Conductor Flexconn - 400-500 mm ²	
- 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	37,5	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

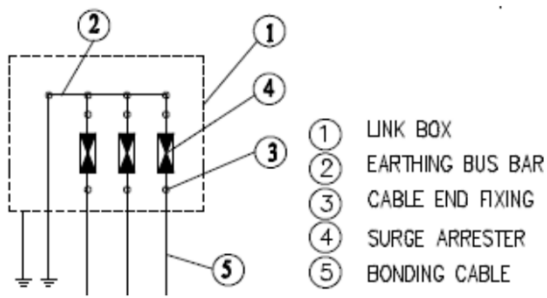
- Type Single

Cross-Section (mm ²)	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)
300-500	48	44	20	28	22	40	N/A	N/A	N/A	N/A



ø A

Schematic Diagram



- ① LINK BOX
- ② EARTHING BUS BAR
- ③ CABLE END FIXING
- ④ SURGE ARRESTER
- ⑤ BONDING CABLE

ø A

Enclosure Dimensions (*)

Width	800 mm
Length	650 mm
Height	390 mm
Weight	66 kg

Filling Compound (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 slightly differ.