LINK BOX TECHNICAL DATA SHEET

Drw. No. 14.03.07
Article No. 17107001/0

Issued Date:	10.05.2019	
Rev. Date:	12.10.2021	
Rev.	02	

Type

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- Description	Three Phase Earthing Link Box for Single Cable	
- Designation	Pedestal	
- Bonding	Earthing	
- Sheath Voltage Limiter	qty	3
- Phase No.		3
Earth		1

Drawing Number

	14.03.07
- Article No	17107001/0

Electrical Characteristics

- Rated Frequency	50/60	Hz
- SVL Type (*)	Up to 18 kV / Optional	

Protection Class

	IP	67

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	50x10 mm (500 mm2)	
- Gasket	Silicone	
- Cable Glands	4x48 mm	
- Cable Glands Insulation	Silicone gasket & EPR tape	
- Insulation	Epoxy Support Insulator	
- Conductor Fixing	Conductor Flexconn - 300-500 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	125	kV
- Phase-to-Earth	62,5	kV

Voltage Withstand Test

- AC	10	kV/1 min
- DC	25	kV/5 min

Short Circuit Test

- Symmetrical	63	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
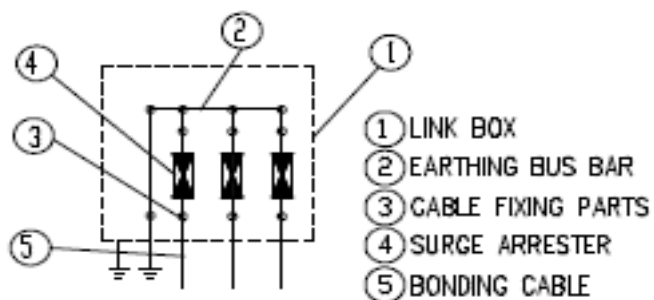
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Bonding Cable

- Type   Single

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)
300-500	48	44	20	28	22	40	N/A	N/A	N/A	N/A

60

Schematic Diagram

1. LINK BOX
2. EARTHING BUS BAR
3. CABLE FIXING PARTS
4. SURGE ARRESTER
5. BONDING CABLE

Enclosure Dimensions (*)

Width	940 mm
Length	1200 mm
Heigth	470 mm
Weigth	175 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.