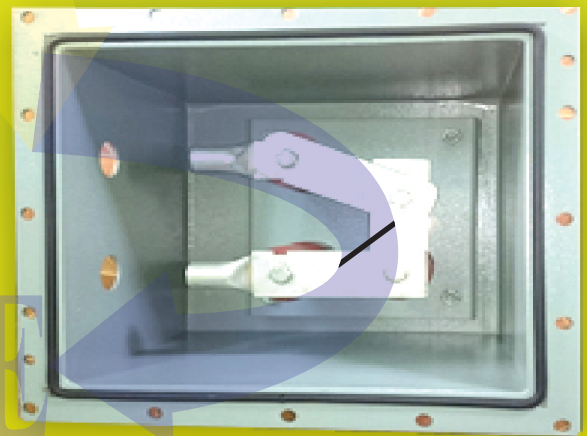
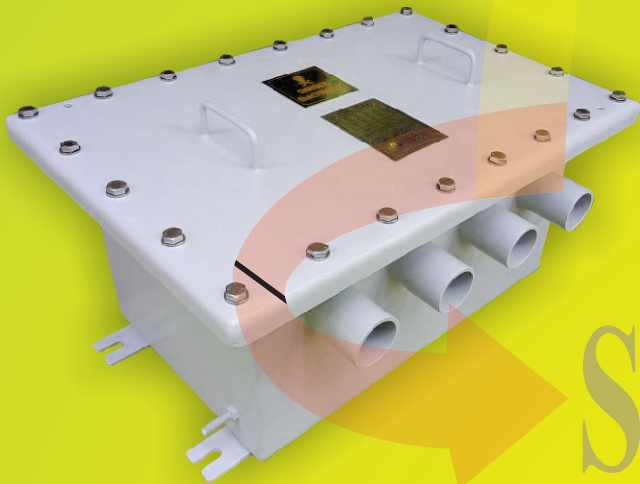
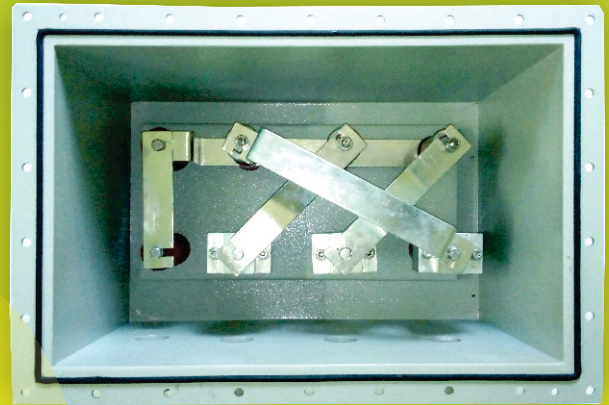
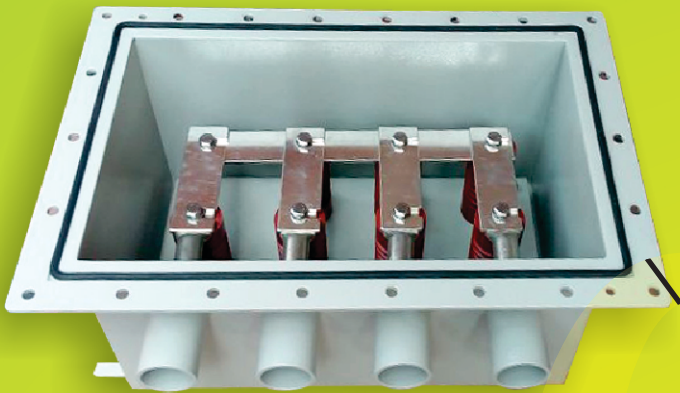


LINK BOX



Type Tested at CPRI



Manufactured by:

SS ENGINEERING (ISO 9001:2015)

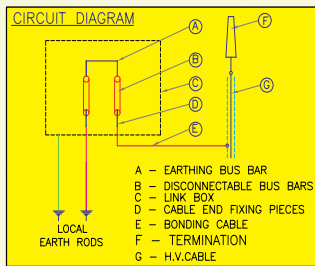
Specialized in HV and EHV Underground
cable system service provider

No.244/8, Mangala Nagar, 1st Main Road, Porur, Chennai - 600116

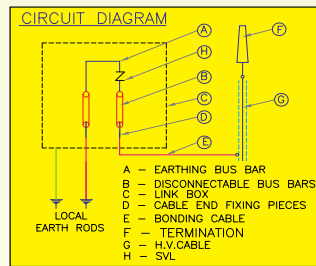
Phone No : 044 - 2252 0298 / 4281 2394

E-mail: sengg06@ssengineering.co.in

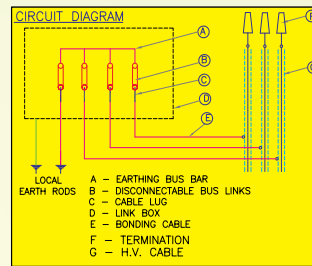
CIRCUIT DIAGRAM



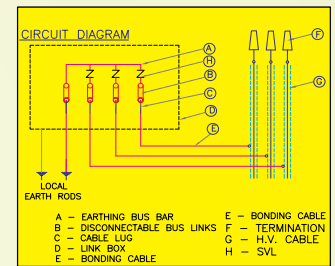
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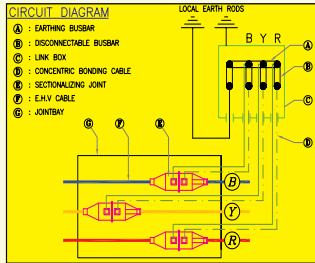
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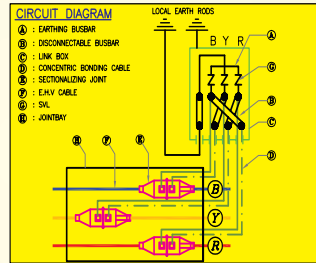
DLB-3-1W-DE



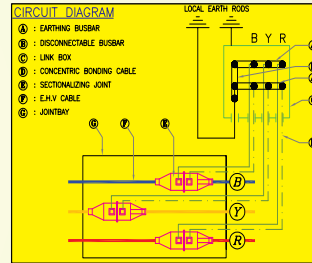
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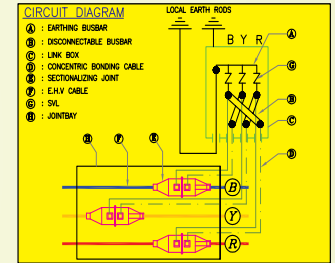
DLB-3-1W-CB-DE



DLB-3-1W-CB-SVL



DLB-6-1W-CB-DE



DLB-6-1W-CB-SVL

MATERIAL SPECIFICATION

ITEM	DESCRIPTION	MATERIAL / SPECIFICATION
1	CASING	3mm STAINLESS STEEL FINISHED WITH POWDER COATING
2	LID	3mm STAINLESS STEEL FINISHED WITH POWDER COATING
3	GASKET	NEOPRENE RUBBER
4	INSULATOR	EPOXY RESIN
5	BUSBAR & EARTH	TINNED COPPER
6	WARNING LABEL	STAINLESS STEEL
7	CIRCUIT DIAGRAM & NAME PLATE	STAINLESS STEEL
8	S.V.L	SHEATH VOLTAGE LIMITER(NON LINER RESISTOR)

TYPE TESTED AT CPRI INDIA

- IMPULSE VOLTAGE WITH STAND TEST - 40kV Phase to Phase & 20kV Phase to Earth
- D.C. VOLTAGE WITH STAND TEST – 25kV / 5 Minutes
- SHORT CIRCUIT TEST
 11kV – 25kA / 1 Second, 33kV – 31.5kA / 1 Second, 132kV – 40kA / 1 Second, 220kV – 40kA / 1 Second, 400kV – 63kA / 1 Second
- DEGREES OF PROTECTION
 - Indoor & Out Door Link Box – IP 65,
 - Under Ground Link Box – IP 68.

SELECTION CHART FOR LINK BOX DRAWING

S.No	Drawing No	Description	Short circuit Current & IP	Bus Bar Size	Bonding cable
11kV LINK BOXES					
1	SSE-DLB-01	11kV, 4W, Link Box Direct Earthing	25kA & IP68	50x6mm	1 Core Cable
2	SSE-DLB-02	11kV, 4W, Link Box – SVL	25kA & IP68	50x6mm	1 Core Cable
66kV THREE PHASE LINK BOXES					
3	SSE-DLB-03	66kV, 3W-1, Link Box Direct Earthing	31.5kA & IP65	50x6mm	1 Core Cable
4	SSE-DLB-04	66kV, 3W-1, Link Box – SVL	31.5kA & IP65	50x6mm	1 Core Cable
5	SSE-DLB-05	66kV, 3W-1, Link Box Direct Earthing	31.5kA & IP68	50x6mm	1 Core Cable
6	SSE-DLB-06	66kV, 3W-1, Link Box - SVL	31.5kA & IP68	50x6mm	1 Core Cable
7	SSE-DLB-07	66kV, 3W-1, Cross Bonding Link Box Direct Earthing	31.5kA & IP68	50x6mm	Co axial cable
8	SSE-DLB-08	66kV, 3W-1, Cross Bonding Link Box - SVL	31.5kA & IP68	50x6mm	Co axial cable
132kV THREE PHASE LINK BOXES					
9	SSE-DLB-103	132kV, 3W-1, Link Box Direct Earthing	40kA & IP65	50x6mm	1 Core Cable
10	SSE-DLB-104	132kV, 3W-1, Link Box - SVL	40kA & IP65	50x6mm	1 Core Cable
11	SSE-DLB-09	132kV, 3W-1, Link Box Direct Earthing	40kA & IP65	50x6mm	1 Core Cable
12	SSE-DLB-10	132kV, 3W-1, Link Box Direct -SVL	40kA & IP65	50x6mm	1 Core Cable
13	SSE-DLB-11	132kV, 3W-1, Link Box Direct Earthing	40kA & IP68	50x6mm	1 Core Cable
14	SSE-DLB-12	132kV, 3W-1, Link Box - SVL	40kA & IP68	50x6mm	1 Core Cable
15	SSE-DLB-13	132kV, 3W-1, Cross Bonding Link Box Direct Earthing	40kA & IP68	50x6mm	Co axial cable
16	SSE-DLB-14	132kV, 3W-1, Cross Bonding Link Box - SVL	40kA & IP68	50x6mm	Co axial cable
17	SSE-DLB-105	132kV, 6W-1, Cross Bonding Link Box Direct Earthing	40kA & IP68	50x6mm	1 Core Cable
18	SSE-DLB-106	132kV, 6W-1, Cross Bonding Link Box - SVL	40kA & IP68	50x6mm	1 Core Cable
220kV THREE PHASE LINK BOXES					
19	SSE-DLB-109	220kV, 3W-1, Link Box Direct Earthing	40kA & IP65	50x6mm	1 Core Cable
20	SSE-DLB-110	220kV, 3W-1, Link Box - SVL	40kA & IP65	50x6mm	1 Core Cable
21	SSE-DLB-15	220kV, 3W-1, Link Box Direct Earthing	40kA & IP65	50x6mm	1 Core Cable
22	SSE-DLB-16	220kV, 3W-1, Link Box - SVL	40kA & IP65	50x6mm	1 Core Cable
23	SSE-DLB-17	220kV, 3W-1, Link Box Direct Earthing	40kA & IP68	50x6mm	1 Core Cable
24	SSE-DLB-18	220kV, 3W-1, Link Box - SVL	40kA & IP68	50x6mm	1 Core Cable
25	SSE-DLB-19	220kV, 3W-1, Cross Bonding Link Box Direct Earthing	40kA & IP68	50x6mm	Co axial cable
26	SSE-DLB-20	220kV, 3W-1, Cross Bonding Link Box - SVL	40kA & IP68	50x6mm	Co axial cable
27	SSE-DLB-111	220kV, 6W-1, Cross Bonding Link Box Direct Earthing	40kA & IP68	50x6mm	1 Core Cable
28	SSE-DLB-112	220kV, 6W-1, Cross Bonding Link Box - SVL	40kA & IP68	50x6mm	1 Core Cable

400kV THREE PHASE LINK BOXES					
28	SSE-DLB-115	400kV, 3W-1, Link Box Direct Earthing	63kA & IP65	50x10mm	1 Core Cable
29	SSE-DLB-116	400kV, 3W-1, Link Box -SVL	63kA & IP65	50x10mm	1 Core Cable
30	SSE-DLB-117	400kV, 6W-1, Link Box Direct Earthing	63kA & IP68	50x10mm	1 Core Cable
31	SSE-DLB-118	400kV, 6W-1, Link Box - SVL	63kA & IP68	50x10mm	1 Core Cable
32	SSE-DLB-119	400kV, 3W-1, Cross bonding Link Box Direct Earthing	63kA & IP68	50x10mm	Co axial cable
33	SSE-DLB-120	400kV, 3W-1, Cross bonding Link Box - SVL	63kA & IP68	50x10mm	Co axial cable
MID POINT LINK BOXES					
34	SSE-DLB-27	132kV, 3W-1, Mid point Link Box-SVL	40kA & IP68	50x6mm	1 Core Cable
35	SSE-DLB-28	220kV, 3W-1, Mid point Link Box-SVL	40kA & IP68	50x6mm	1 Core Cable
36	SSE-DLB-29	400kV, 3W-1, Mid point Link Box-SVL	63kA & IP68	50x10mm	1 Core Cable
SINGLE PHASE LINK BOXES					
37	SSE-DLB-30	66kV, 1W-1, Link Box Direct Earthing	31.5kA & IP65	50x6mm	1 Core Cable
38	SSE-DLB-31	66kV, 1W-1, Link Box - SVL	31.5kA & IP65	50x6mm	1 Core Cable
39	SSE-DLB-32	66kV, 1W-1, Link Box Direct Earthing	31.5kA & IP68	50x6mm	1 Core Cable
40	SSE-DLB-33	66kV, 1W-1, Link Box - SVL	31.5kA & IP68	50x6mm	1 Core Cable
41	SSE-DLB-34	132kV, 1W-1, Link Box Direct Earthing	40kA & IP65	50x6mm	1 Core Cable
42	SSE-DLB-35	132kV, 1W-1, Link Box - svl	40kA & IP65	50x6mm	1 Core Cable
43	SSE-DLB-101	132kV, 1W-1, Link Box Direct Earthing	40kA & IP65	50x6mm	1 Core Cable
44	SSE-DLB-102	132kV, 1W-1, Link Box - SVL	40kA & IP65	50x6mm	1 Core Cable
45	SSE-DLB-36	132kV, 1W-1, Link Box Direct Earthing	40kA & IP68	50x6mm	1 Core Cable
46	SSE-DLB-37	132kV, 1W-1, Link Box - SVL	40kA & IP68	50x6mm	1 Core Cable
47	SSE-DLB-38	220kV, 1W-1, Link Box Direct Earthing	40kA & IP65	50x6mm	1 Core Cable
48	SSE-DLB-39	220kV, 1W-1, Link Box - SVL	40kA & IP65	50x6mm	1 Core Cable
49	SSE-DLB-107	220kV, 1W-1, Link Box Direct Earthing	40kA & IP65	50x6mm	1 Core Cable
50	SSE-DLB-108	220kV, 1W-1, Link Box -SVL	40kA & IP65	50x6mm	1 Core Cable
51	SSE-DLB-40	220kV, 1W-1, Link Box Direct Earthing	40kA & IP68	50x6mm	1 Core Cable
52	SSE-DLB-41	220kV, 1W-1, Link Box - SVL	40kA & IP68	50x6mm	1 Core Cable
53	SSE-DLB-113	400kV, 1W-1, Link Box Direct Earthing	63kA & IP65	50x10mm	1 Core Cable
54	SSE-DLB-114	400kV, 1W-1, Link Box -SVL	63kA & IP65	50x10mm	1 Core Cable
55	SSE-DLB-44	400kV, 1W-1, Link Box Direct Earthing	63kA & IP68	50x10mm	1 Core Cable
56	SSE-DLB-45	400kV, 1W-1, Link Box - SVL	63kA & IP68	50x10mm	1 Core Cable

THE FOLLOWINGS ARE TYPE TESTED AT CPRI, BANGLORE - INDIA

1. Impulse Voltage Witstand Test 2. D C Voltage Withstand Test 3. Short Circuit Test 4. Degrees of Protection (IP65 for Indoor & Outdoor & IP68 for Under Ground)



SS ENGINEERING (ISO 9001:2015)

Specialized in HV and EHV Underground cable system service provider

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