

Link Box Series

LB19/28OD55, LB21/28OD37 and LB21/28OD55

These Link Boxes represent a range designed for use on a 400kV power distribution system. They incorporate Sheath Voltage Limiters SVL45-DNB to provide a reliable voltage limiting capability. This is required where lightning fault conditions and switching operations can cause overvoltage stresses on the cable armoured sheath. The internal layout will permit ready access for field test purposes.

The boxes are robustly constructed from 3mm thick Grade 316 Stainless Steel. A 3mm thick EPDM rubber gasket effectively protects the internal construction when the lid is located and firmly bolted into place. The lid is also designed to be lockable for safety and security reasons.

LB19/28OD55 – Includes Link Bars for cross-bonding. Suitable for the incoming 55mm outside diameter Link Cable.

LB21/28OD37 – No Link Bars, each phase Link cable conductor directly to an individual SVL45-DNB. Each phase link cable armour commoned and taken directly to Ground. Suitable for the incoming 37mm outside diameter Link Cable.

LB21/28OD55 - No Link Bars, each phase Link cable conductor directly to an individual SVL45-DNB. Each phase link cable armour commoned and taken directly to Ground. Suitable for the incoming 55mm outside diameter Link Cable.

The surge protection components used are the same for each variant

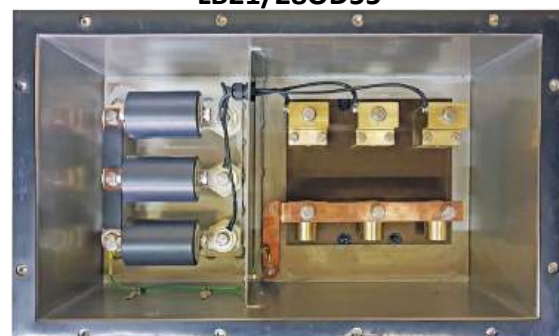
It is recommended that a poured insulating compound is introduced where the Link Cables are secured to ensure good electrical and environmental protection. Fill Level markers will indicate the advised fill depths. A suitable compound would be Guroflex MV.



LB19/28OD55



LB21/28OD55



Specification	
Box Enclosure Material	Stainless Steel Grade 316
Lid Weight	11.5kg
Gross Overall Weight	57kg
Part Codes	LB19/28OD55
	LB21/28OD37
	LB21/28OD55

Revision: **vPD2, 19/09/19**
Information subject to change without notice.

All of the above information, including drawings, illustrations and graphic designs, reflects our present understanding and is to the best of our knowledge and belief correct and reliable. Users, however, should independently evaluate the suitability of each product for the desired application.



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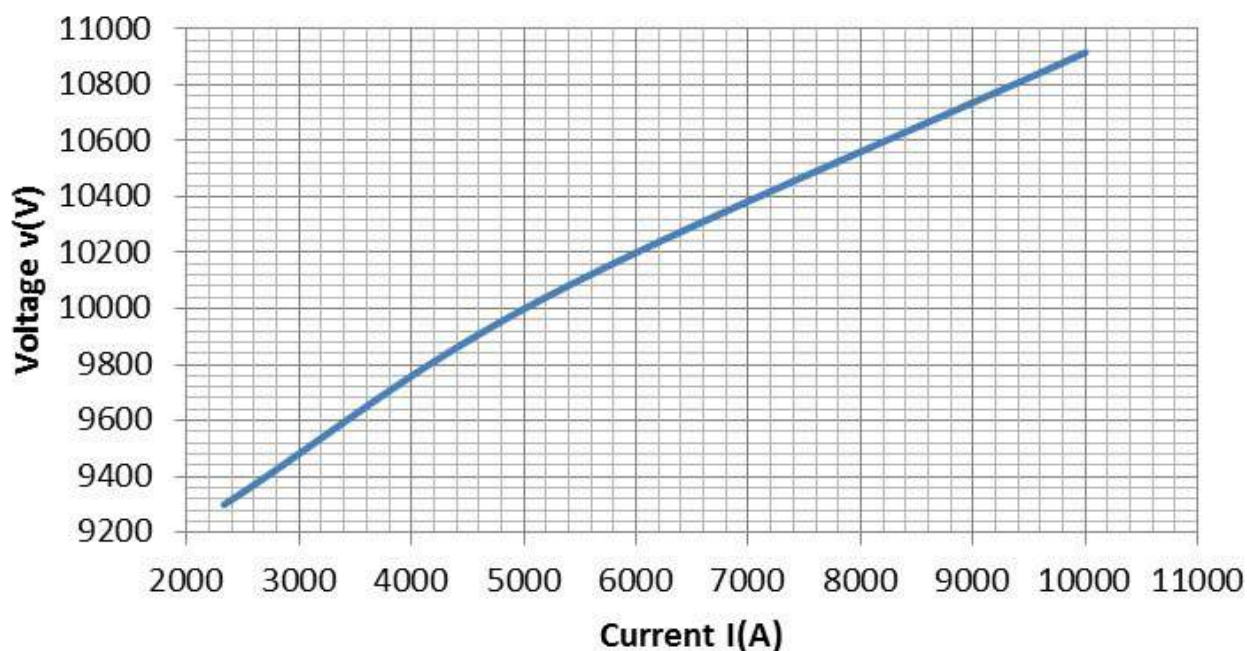
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Specification	
SVL Part Code	SVL45-DNB
Reference Voltage Uref	>6000Vdc at 5mA
Residual Voltage at 10kA 8/20us impulse	<11.5kV



SVL45-DNB

Typical VI Characteristic SVL 45-DNB



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