

HIGH VOLTAGE LINK BOX (HVLB-SICO) FOR CABLE SHEATH BONDING WITH SINGLE CORE CABLE

KEY FEATURES

- Impulse withstand:
65 kV
- Short circuit current:
63 kA/1 s
- Internal power arc:
25 kA/0,1 s
- Tight against water and
dust according to
protection class IP68
- Gland sealing with WCSM
heat shrinking tube
- Sequential serial number
for each link box

TE Connectivity's (TE) high voltage link box HVLB provides a sealed and dry environment for high voltage cable sheath earthing connection. It reduces voltages and circulating currents.

TE offers three types of link boxes with different number of entries to bond the cable sheath to the ground: HVLB-SICO-**SLV**, HVLB-SICO-**GND** and HVLB-SICO-**CRO**.

Within the HVLB-SICO-SVL link box, the cable sheath is earthed via a Sheath Voltage Limiter (SVL). The HVLB-SICO-GND link box is used to earth the cable sheath direct to the ground without a SVL. Within the HVLB-SICO-CRO link box the cable sheaths are crossbonded.

To get an easy access to the cable sheath for inspections, TE developed a reliable gasket-lid-system, which is tighter against water and dust. The lid system is equipped with a proof device for padlocks to prevent unauthorized access.

A well-arranged configuration ensures a higher reliability. Homogeneous distances between the electrical path, trustworthy electrical connections and a special developed short-circuit-yoke allow a better impulse-voltage and short-circuit withstand. For safety in an unexpected case, our box is tested to absorb the power of an internal arc with 25 kA for 0,1 sec.

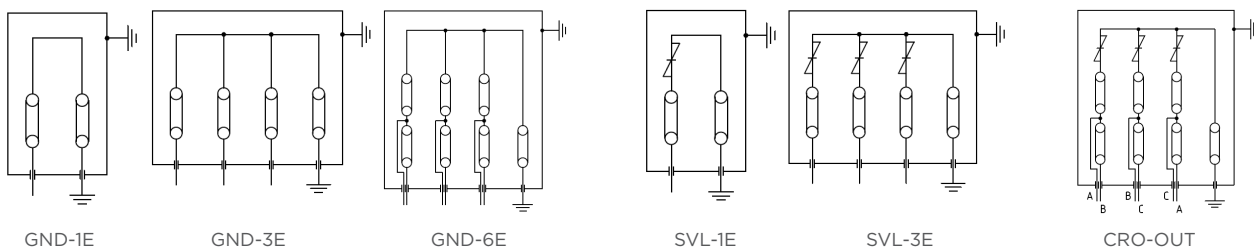
Customers can count on consistent, high quality products, driven by TE's proven innovation and backed by our extraordinary customer support.

High Voltage Link Box (HVLB-SICO)



PRODUCT SELECTION - BASIC TYPES

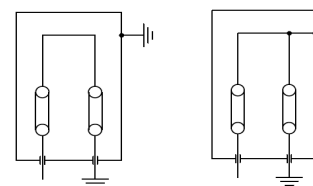
	# of cable entries	Size of the SVL	Housing earthing type	Cable port specification	Modification
Basic description		1 kV: CPA-01-017 2 kV: CPA-02 3 kV: CPA-03-017 4 kV: CPA-04 5 kV: CPA-05 6 kV: CPA-06-017 7 kV: CPA-07 8 kV: CPA-08	sep = separately col = collective	S1 = 0 - 95 mm ² S2 = 95 - 240 mm ² S3 = 240 - 400 mm ² C8 = 500 mm ² S = shear bolt C = crimp	M01 (standard) Mxx (customer specific)
DIRECT GROUNDING					
HVLB-SICO-GND	1E	./.	sep / col	S1 / S2 / S3 / C8	M01 / Mxx
HVLB-SICO-GND	3E	./.	sep / col	S1 / S2 / S3 / C8	M01 / Mxx
HVLB-SICO-GND	6E	./.	sep / col	S1 / S2 / S3 / C8	M01 / Mxx
VIA SHEATH VOLTAGE LIMITER (SVL)					
HVLB-SICO-SVL	1E	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8 kV	sep / col	S1 / S2 / S3 / C8	M01 / Mxx
HVLB-SICO-SVL	3E	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8 kV	sep / col	S1 / S2 / S3 / C8	M01 / Mxx
CROSS-BONDING					
HVLB-SICO-CRO	OUT	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8 kV	sep / col	S1 / S2 / S3 / C8	M01 / Mxx
CREATION OF PRODUCT DESCRIPTION SHOWN BY THE EXAMPLE OF HVLB-SICO-SVL-1E-6 KV-COL-S2-M01					
HVLB-SICO-SVL	1E	6 kV	col	S2	M01



TECHNICAL INFORMATION

Material of the housing	SS304 / X5CrNi17-10
Surface painting	RAL7035, thickness 0,08, fine structure outdoor
Optional	Offshore protection
Optional	Plexiglass cover (protection against accidental contact)

Housing earthing type



Separately
(housing and busbar not connected)

Collective
(housing and busbar connected)

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