

# Sheath Voltage Limiter SVL16

Often, conductive structures like pipelines, data lines and physical entities such as fencing and barriers, run parallel to Overhead or Underground power transmission lines. In these situations, dangerous and damaging voltages can be induced as a function of normal operating or fault currents.

The effects of such conditions can be successfully mitigated with the use of correctly rated Sheath Voltage Limiting devices that are bonded between cable sheaths and a ground continuity conductor.

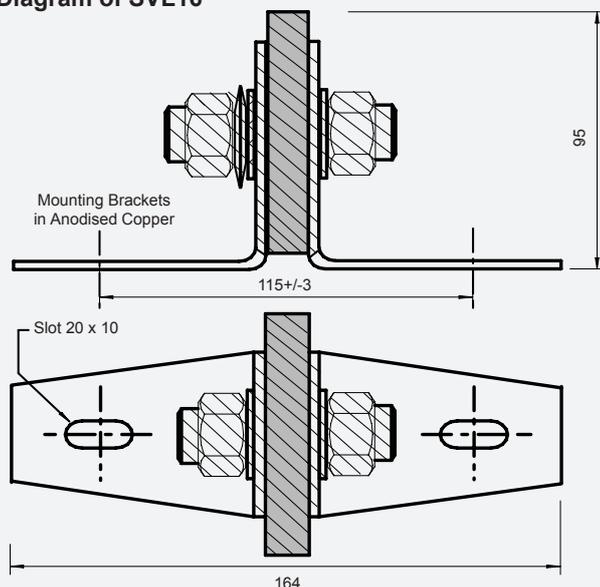
PD Devices offer many robust and reliable forms of protection devices used to effectively limit sheath voltage rises that can occur, under fault conditions, on power transmission cables.

PD Devices design and manufacture a range of these metal oxide varistor (MOV) devices and ratings can usually be designed to suit any given application. Typical operating parameters, as for the SVL16 (shown) are:



SVL 16

Diagram of SVL16



Characteristics:	SVL16
Max. Continuous Operating Voltage	1250V rms
Min Voltage @ 10mA DC	2040V min
Max. Rated Voltage (2s/50Hz)	1600v rms
Max. Residual Voltage @ 10kA (8/20µs duration)	<4.5kV
Encapsulation	2 part black epoxy, except on mounting feet
Weight	0.98kg nominal
Main Metal Oxide Component	ZnO
Part Code:	SVL16

Compliance with IEC 60099-4

**This data sheet contains only some of the series For any specific design requirement and / or query regarding this product Series please contact our Customer Service Department on +44 (0)1364 649248 to discuss further.**

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. Under no circumstances does this constitute an assurance of any particular quality or performance. Such an assurance is only provided in the context of our product specifications or explicit contractual arrangements. Our liability for these products is set forth in our standard terms and conditions of sale.