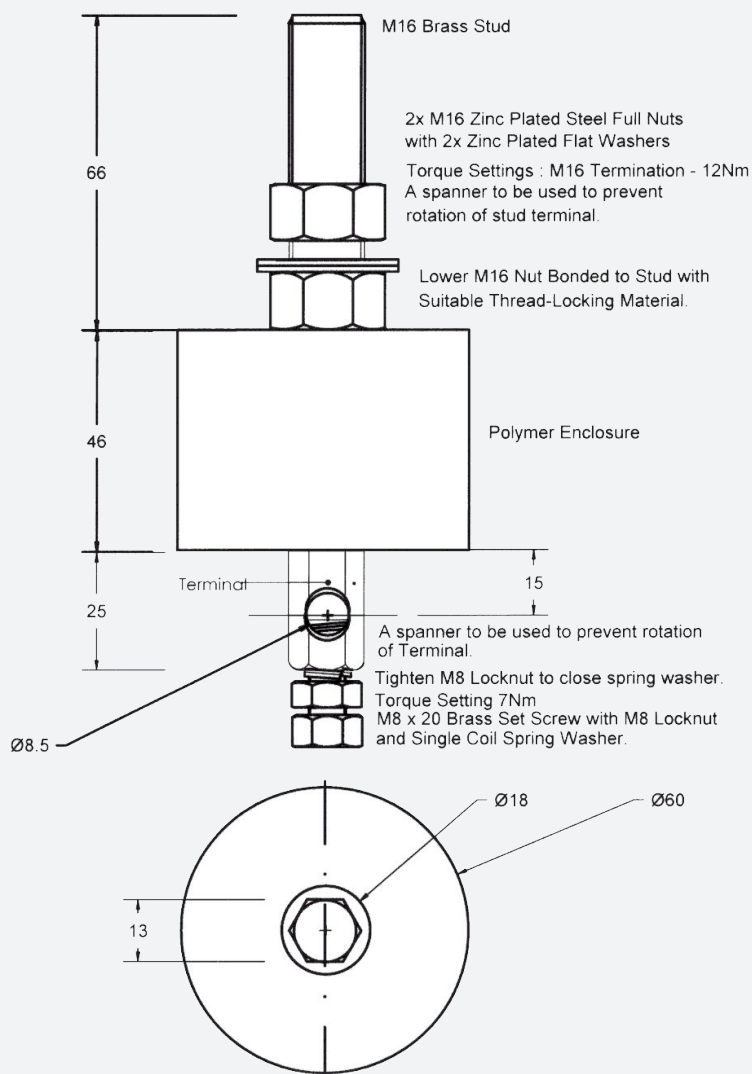


LOW VOLTAGE LIMITER

PDLVLb500

PD Devices Ltd. offer a range of Low Voltage Limiter devices primarily designed for DC Traction Systems. As a means of reducing electro-chemical corrosion effects that would result from the earthing of rails, where possible, direct earthing is not used. This can lead to a significant increase in potentials on metallic infrastructure. The key function of the Low Voltage Limiter is as a means of reducing the 'touch voltages' which can exist during correct system operation, but which are also of greater concern during 'fault' conditions that may result from fallen overhead cabling for example.



Features:

- Designed for Outdoor Applications
- Low Residual Voltage
- Robust Terminations
- Tested to meet the requirements of BS EN50123 :2003: Railway Applications
- Fixed Installations
- DC Switchgear Part 5

Characteristics:

Rated Voltage U_r	500VDC
Maximum Leakage Current	50uA
8/20µs Current Impulse	20 x 7.5kA
4/10µs Current Impulse	20 x 100kA
Reference Voltage @ 0.6mAdc	>890V
Reference Voltage @ 3.0mAdc	>925V
Clamping Voltage @ 300A	<1570V
Energy (single shot) 10/1000us	min. 1125J
Termination Points	M16 Stud & M8 Clearance
Mass	0.5kg Maximum
Part Code:	PDLVLb500

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.