


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK

 10794 Accredited to ISO/IEC 17025:2017	PiDelta Test Services A division of PD Devices Limited Issue No: 008 Issue date: 24 July 2024	
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Testing performed at the above address only		

DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
Earthing rods	Coating thickness test	BS EN IEC 62561-2:2018. Clauses 5.2.2.1 and 5.2.2.2
	Resistivity test	BS EN IEC 62561-2:2018. Clauses 5.2.5.1 and 5.2.5.2 <i>NOTE: Resistance and resistivity may be measured on similar samples but with varying lengths up to 1.2 m and with a maximum resistance of 1 Ω</i>
Surge Protection Device (SPDs): Class I (various designs); Metal oxide varistor discs	Test to Verify Long Term Stability Under Continuous Operating Voltage	Internal method based on Clause 8.4 of BS EN 60099-4:2014, <i>Metal-Oxide Surge Arresters without Gaps for AC Systems</i>
	Class I Operating Duty test	Internal method based on BS EN 61643-11:2012+A11:2018 Clause 8.3.4.3
	Class I Additional Duty test	Internal method based on BS EN 61643-11:2012+A11:2018 Clause 8.3.3.4
	High current test (4/10 μ s)	Internal method based on Clause 8.7 of BS EN 60099-4:2014, <i>Metal-Oxide Surge Arresters without Gaps for AC Systems</i>
	Charge Transfer (Rectangular Wave)	Internal method based on Clause 8.5 of BS EN 60099-4:2014, <i>Metal-Oxide Surge Arresters without Gaps for AC Systems</i>



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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
Surge Protection Device (SPDs): Class I (various designs); Metal oxide varistor discs (continued)	Reference voltage measurement. <i>100 V to 3.3 kV</i> <i>1 mA to 10 mA</i> Energy withstand test <i>Peak current 1000 A</i> Salt Mist – Cyclic Test Chamber Size 150 litres Max Temperature: + 40 °C Max Humidity: 98 % rh Salt Mist Test Chamber Size 150 litres	By application of known DC currents and measurement of the resulting voltages Applied rectangular pulses over the range 2 ms to 3 ms BS EN IEC 62561-2:2018 clauses 5.2.4 and Annex A.2 (Methods 1 and 2 Only) BS EN IEC 60068-2-52:2018 BS EN IEC 60068-2-11:2021 ISO 9227:2017(Withdrawn)
Components used in Lightning	Contact resistance: Measurement of resistance across contact clamps.	BS EN 62561-1:2017 clause 6.4.a
Protection Systems	Loosening torque test, to 20 Nm Humid Sulphurous Atmosphere	BS EN 62561-1:2017 clause 6.4.c BS EN ISO 6988:1994
Lightning protection system components (LPSC) - Earth Electrode Inspection Housings	Load Test Light, Medium and Heavy Duty	BS EN 62561-5:2017 clause 6.2.2
Earthing Enhancing Compounds	Determination of Resistivity	BS EN IEC 62561-7:2018 clause 5.4
Connection Components	Static Mechanical Test	BS EN 62561-1:2017 clause 6.5.2
END		