

# Schedule of Accreditation

issued by

## United Kingdom Accreditation Service

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



1460

Accredited to  
ISO/IEC 17025:2017

### Electrium Test Laboratory Electrium Sales Limited, a Siemens Company

Issue No: 031 Issue date: 24 January 2025

Leigh Road  
Hindley Green  
Wigan  
Lancashire  
WN2 4XY

No Commercial Enquires.

Testing performed by the Organisation at the locations specified

Locations covered by the organisation and their relevant activities

#### Laboratory locations:

Location details	Activity	Location code
<b>Address</b> Leigh Road Hindley Green Wigan Lancashire WN2 4XY	Electrical Safety Testing	A
<b>Address</b> Sharston Road Wythenshawe Manchester M22 4RA	Electrical Safety Testing	B



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**DETAIL OF ACCREDITATION**

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
	<u><b>ELECTRICAL PRODUCT TESTS</b></u>		
Two-pole and Earthing Pin Plugs, Socket Outlets and Socket Outlet Adaptors	Electrical Safety Maximum ratings: 15A, 250V ac	BS 546:1950 Amendments 1 to 8 inclusive Supplements 1 and 2	A
13A plugs, socket-outlets, adaptors and connection units Part 1: Rewirable and non-rewirable 13A fused plugs	Electrical Safety Maximum ratings: 13A, 250V ac	BS1363-1:2023 excluding 9.4, 12.10, 12.11, 12.12, 16.2, 26, Annex A	A
13A plugs, socket-outlets, adaptors and connection units Part 2: 13A switched and unswitched socket-outlets	Electrical Safety Maximum ratings: 13A, 250V ac	BS1363-2:2023 excluding 9.4, 12.10, 15.3, 16.2, Annex A	A
13A plugs, socket-outlets, adaptors and connection units Part 3: Adaptors	Electrical Safety Maximum ratings: 13A, 250V ac	BS1363-3:2023 excluding 9.4, 16.2, Annex A	A
13A plugs, socket-outlets, adaptors and connection units Part 4: 13A fused connection units: switched and unswitched	Electrical Safety Maximum ratings: 13A, 250V ac	BS1363-4:2023 excluding 9.4, 12.9, 15.3	A
Plugs and Sockets outlets for household and similar purposes safety requirements and test methods	Electrical safety Maximum ratings: 13A, 250V ac	SASO-2203:2018	A



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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
Switches for Household and Similar Fixed Electrical Installations	<u>ELECTRICAL PRODUCT TESTS</u> (cont'd)  Electrical Safety Maximum ratings: 50A, 250V ac	BS EN 60669-1:1999, +A2 Inc Corrigenda Jan 2007, Feb 2010 and Jan 2013 Excluding: >IP20 tests, clauses 12.3 & 15.2  BS EN 60669-1:2018 Excluding >IP20 tests, clauses 12.3 & 15.2. IEC60669-1 Edition 4 2017-02 excluding >IP20 tests, clauses 12.3 & 15.2  SANS 60669-1:2017 Edition 3 excluding >IP20 tests, clauses 12.3 & 15.2 Maximum Ratings 50A, 250V, 26 EMC  SASO GSO IEC 60669-1:2017 Edition 3 excluding >IP20 tests, clauses 12.3 & 15.2	A
Cooker Control Unit	Electrical Safety Maximum ratings: 45A, 250V ac	BS 4177:1992 Amendments 1 to 4	A
Connection Units Adaptors Cable Extension Reels Trailing Sockets Ceiling Roses Junction Boxes Mounting Boxes	Electrical Safety Maximum ratings: 45A, 250V ac	BS 5733:2010 + A1:2014	A



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<p>Luminaire Supporting Couplers</p> <p>Boxes and enclosures for electrical accessories for household and similar fixed electrical installations – Part 1: General Requirements</p> <p>Electrical accessories – Circuit-breakers for overcurrent protection of household and similar installations</p> <p>Low-voltage switchgear and control gear - Part 1: General rules</p>	<p><u>ELECTRICAL PRODUCT TESTS</u> (cont'd)</p> <p>Electrical Safety Maximum ratings: 6A, 250V ac</p> <p>Mechanical Testing for Electrical Safety</p> <p>Safety Tests Up to 500 V 50 Hz Tripping Characteristics B, C and D for a normal current rating up to 125A Temperature rise up to 125 A Dielectric tests up to 5 kV Impulse tests up to 14 kV</p> <p>Safety Tests Up to 500 V 50 Hz Glow wire up to 960 °C Conductor csa up to 240 mm<sup>2</sup> Dielectric tests up to 5 kV Impulse tests up to 12 kV</p>	<p>BS 6972:1988 Amendment 1 BS 7001:1988 Amendments 1 to 3 inclusive</p> <p>BS EN IEC60670-1 2021+A11 2021 excluding &gt;IP40 tests, clause 13.2, 13.3 IPX. IEC 60670-1:2015 Edition 2 excluding clause 12.10 IP40 tests, clause 13.2, 13.3 IPX</p> <p>BS EN 60898-1:2019 IEC 60898-1:2015 Edition 2.1  Excluding clause 9.12</p> <p>BS EN IEC 60947-1_2021IEC 60947-1_2020Excluding clauses 8.2.5.2.2, 8.2.5.2.3, 8.2.6, 8.2.7, 8.3.3.5, 8.3.3.6, 8.3.3.7, 8.3.4 &amp; 8.4 EMC Clause 8.3.3.3 limited to 200 A</p>	<p>A</p> <p>A</p> <p>A</p> <p>A</p>



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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
Residual current operated circuit-breakers with integral overcurrent protection for household and similar uses (RCBO's) -	<u>ELECTRICAL PRODUCT TESTS</u> (cont'd)  Safety Tests Up to 500 V 50 Hz Glow wire up to 960 °C Ball pressure up to 125 °C Temperature rise up to 125 A Dielectric tests up to 5 kV Impulse tests up to 12 kV Impulse tests up to 3 kA	BS EN 61009-1: 2012 + A12:2016 IEC 61009-1: 2013 Edition 3.2 Excluding clauses 9.12, 9.21, 9.23 & 9.24 EMC  BS EN 61009-2-1: 1995 Incorporating amendment A1 IEC 61009-2-1: 1991 Edition 1.0 Excluding clauses 9.12, 9.21 and 9.24  BS IEC 61009-2-2: 1991  IEC 61009-2-2: 1991 Edition 1.0 Excluding clauses 9.12, 9.21, 9.23 & 9.24	A
Low-voltage switchgear and control gear assemblies -  Part 1: General rules	Safety Tests Up to 500 V 50 Hz Dielectric tests up to 5 kV Impulse tests up to 12 kV Up to IP40ABCD	BS EN IEC 61439-1 : 2021 IEC61439-1 : 2020 Ed 3.0 Excluding clauses 9.4, 10.2.2, 10.2.4, 10.2.5, 10.11 and 10.12	A
Low-voltage switchgear and control gear assemblies -  Part 2: Power switchgear and control assemblies	Safety Tests Up to 500 V 50 Hz Dielectric tests up to 5 kV Impulse tests up to 12 kV Up to IP40ABCD	BS EN IEC 61439-2 : 2021 IEC61439-2 : 2020 Ed 3.0 Excluding clauses 9.4, 10.2.2, 10.2.4, 10.2.5, 10.11 and 10.12	A



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	<u><b>ELECTRICAL PRODUCT TESTS (cont'd)</b></u>		
Low-voltage switchgear and control gear assemblies -  Part 3: Distribution boards intended to be operated by ordinary persons	Safety Tests Up to 500 V 50 Hz Dielectric tests up to 5 kV Impulse tests up to 12 kV Up to IP40ABCD	BS EN 61439-3: 2012 including annex ZB and 10.2.2 alternative test IEC 61439-3: 2012 Edition 1.0 Excluding clauses 9.4, 10.2.4, 10.2.5, 10.11, 10.12 and Annex ZB	A
Empty enclosures for low-voltage switchgear and control gear assemblies — General requirements -	Safety Tests Glow wire up to 960 °C Ball pressure up to 125 °C Dielectric tests up to 5 kV Impulse tests up to 12 kV Impact 0.7 J Up to IP40ABCD	BS EN 62208: 2011 IEC 62208: Edition 2.0 Excluding 9.3, 9.4, 9.5, 9.11 and 9.12	A
Arc fault detection devices	Safety Tests Up to 500 V 50 Hz Glow wire up to 960 °C Ball pressure up to 125 °C Temperature-rise up to 125 A Dielectric tests up to 5 kV Impulse tests up to 14 kV Impulse tests up to 3 kA Serial arc fault tests up to 63 A	BS EN 62606:2013 + A1:2017 IEC 62606:2017 Edition 1.1 Excluding clauses 9.9.3, 9.9.4, 9.9.5, 9.11 and 9.21	A
	<u><b>ENVIRONMENTAL TESTING</b></u>		
Impact testing -	Spring Hammer (0.7J) Pendulum hammer (0.7 J)	BS EN 60068-2-75: 2014 IEC 60068-2-75: 2014 Part 2. Tests Test Eh. Hammer tests For the following clauses: 4. Eha Pendulum hammer 5. Ehb Spring hammer	A
Degree of protection provided by enclosures (IK code)	IK05 (0.7 J)	BS EN 62262:2002 IEC 62262:2002	A



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	<u><b>ELECTRICAL PRODUCT TESTS (cont'd)</b></u>		
Switches for household and similar fixed installations	Safety Tests Conditional short-circuit tests Single phase 20 kA 240 V Three phase 16 kA 415 V	BS EN 60669-2-4: 2005 Clause 18 only	B
Electrical accessories – Circuit-breakers for overcurrent protection of household and similar installations	Short-circuit tests Single phase 20 kA 240 V Three phase 16 kA 415 V	BS EN 60898-1:2019 IEC 60898-1:2015 Edition 2.1  Clause 9.12 only	B
Low-voltage switchgear and control gear -  Part 1: General rules	Conditional short-circuit tests Single phase 20 kA 240 V Three phase 16 kA 415 V Short-time withstand current Single phase 20 kA for 0.15 s; 5 kA for 0.5 s Three phase 16 kA for 0.15 s; 3 kA for 0.5 s	BSENIEC 60947-1_2021IEC 60947-1_2020 Clauses 8.3.3.1, 8.3.3.5, 8.3.3.6, 8.3.3.7, 8.3.4	B
Low-voltage switchgear and control gear -  Part 3: Switches, disconnectors, switch-disconnectors and fuse-combination units	Conditional short-circuit tests Single phase 20 kA 240 V Three phase 16 kA 415 V Short-time withstand current Single phase 20 kA for 0.15 s; 5 kA for 0.5 s Three phase 16 kA for 0.15 s; 3 kA for 0.5 s  AC20A, AC20B AC21A, AC21B I <sub>e</sub> upto 250 A AC22A, AC22B I <sub>e</sub> upto 250 A AC23A, AC23B I <sub>e</sub> up to 250 A	BSENIEC 60947-3_2021IEC 60947-3_2020 Clauses 8.3.3.3, 8.3.5 & 8.3.6	B





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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
Residual current operated circuit breakers without integral overcurrent protection for household and similar uses (RCCB's)	<u>ELECTRICAL PRODUCT TESTS</u> (cont'd)  Safety Tests Conditional short-circuit tests Single phase 20 kA 240 V Three phase 16 kA 415 V	BS EN 61008-1:2012 + A12 :2017 IEC 61008-1:2013 Edition 3.2  Clause 9.11 only  BS EN 61008-2-1: 1995 Incorporating amendment 1 IEC 61008-2-1: 1990, Edition 1.0  BS IEC 61008-2-2: 1995 IEC 61008-2-2: 1990, Edition 1.0	B
Residual current operated circuit breakers with integral overcurrent protection for household and similar uses (RCBO's) –	Safety Tests Conditional short-circuit tests Single phase 20 kA 240 V Three phase 16 kA 415 V	BS EN 61009-1: 2012 + A12:2016 IEC 61009-1: 2013 Edition 3.2  Clause 9.12 only	B
Low-voltage switchgear and control gear assemblies -  Part 1: General rules	Safety Tests Conditional short-circuit tests Single phase 20 kA 240 V Three phase 16 kA 415 V Short-time withstand current Single phase 20 kA for 0.15 s; 5 kA for 0.5 s Three phase 16 kA for 0.15 s, 3 kA for 0.5	BS EN IEC 61439-1 : 2021 IEC61439-1 : 2020 Ed 3.0  Clause 10.11 only	B



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<p>Low-voltage switchgear and control gear assemblies -</p> <p>Part 2: Power switchgear and control assemblies</p> <p>Low-voltage switchgear and control gear assemblies -</p> <p>Part 3: Distribution boards intended to be operated by ordinary persons</p> <p>Arc fault detection devices</p>	<p><u>ELECTRICAL PRODUCT TESTS</u> (cont'd)</p> <p>Safety Tests Conditional short-circuit tests Single phase 20 kA 240 V Three phase 16 kA 415 V Short-time withstand current Single phase 20 kA for 0.15 s; 5 kA for 0.5 s Three phase 16 kA for 0.15 s, 3 kA for 0.5</p>	<p>BS EN IEC 61439-2 : 2021 IEC61439-2 : 2020 Ed 3.0</p> <p>Clause 10.11 only</p>	B
	<p>Safety Tests Conditional short-circuit tests Single phase 20 kA 240 V Three phase 16 kA 415 V Short-time withstand current Single phase 20 kA for 0.15 s; 5 kA for 0.5 s Three phase 16 kA for 0.15 s, 3 kA for 0.5</p>	<p>BS EN 61439-3:2012 including Annex ZB</p> <p>Annex ZB only</p>	B
	<p>Safety Tests Conditional short-circuit tests Single phase 20 kA 240 V Three phase 16 kA 415 V</p>	<p>BS EN 62606:2013 + A1:2017 IEC 62606:2017 Edition Clause 9.11 only</p>	B
END			