


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

21 - 47 High Street, Feltham, Middlesex, TW13 4UN, UK

| | | |
|---|---|---|
|  <p>Accredited to ISO/IEC 17025:2005</p> | <h3>Electrium Testing Laboratory</h3> <p>Issue No: 011 Issue date: 18 March 2011</p> | |
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| <p>Testing performed at the above address only</p> | | |

DETAIL OF ACCREDITATION

| Materials/Products tested | Type of test/Properties measured/Range of measurement | Standard specifications/ Equipment/Techniques used |
|---|---|---|
| <p>ELECTRICAL PRODUCT TESTS</p> <p>Low-voltage switchgear and controlgear assemblies -</p> <p>Part 1: Type-tested and partially type-tested assemblies</p> | <p>Safety Tests Up to 500 V 50 Hz Temperature rise up to 3150 A Dielectric tests up to 5 kV Impulse tests up to 12 kV Conditional short-circuit tests Single phase 16 kA 240 V Three phase 12 kA 415 V Short-time withstand current Single phase 5 kA for 0.5 s Three phase 3 kA for 0.5 s Up to IP40ABC</p> | <p>BS EN 60439-1:1999 incorporating amendment A1 IEC 60439-1:1999 incorporating amendment A1 Excluding clause 8.2.8</p> |
| <p>Low-voltage switchgear and controlgear assemblies -</p> <p>Part 3: Particular requirements for low-voltage switchgear and controlgear assemblies intended to be installed in places where unskilled persons have access to their use - Distribution boards</p> | <p>Safety Tests Up to 500 V 50 Hz Temperature rise up to 250 A Dielectric tests up to 5 kV Impulse tests up to 12 kV Conditional short-circuit tests Single phase 16 kA 240 V Three phase 12 kA 415 V Annex A 16 kA 240 V Short-time withstand current Single phase 5 kA for 0.5 s Three phase 3 kA for 0.5 s Glow wire up to 960 °C Ball pressure up to 125 °C Impact Strength 0.7 J Up to IP40ABC</p> | <p>BS EN 60439-3:1991 Incorporating amendment 1 IEC 60439-3:1990 Incorporating amendment 1</p> |



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|---|---|--|
| Miniature circuit breakers | <p>Safety Tests Up to 500 V 50 Hz Tripping Characteristics B, C, D for a normal current rating up to 125 A Temperature rise up to 125 A Dielectric tests up to 5 kV Impulse tests up to 12 kV Short-circuit tests Single phase 16 kA 240 V Three phase 12 kA 415 V</p> | <p>BS EN 60898:2003 2002 incorporating amendments A1 and A2 IEC 60898-1:2002 incorporating amendments A1 and A2</p> |
| <p>Low-voltage switchgear and controlgear</p> <p>Part 1: General rules</p> | <p>Safety Tests Up to 500 V 50 Hz Glow wire up to 960 °C Conductor csa up to 240 mm² Temperature rise up to 3150 A Dielectric tests up to 5 kV Impulse tests up to 12 kV Conditional short-circuit tests Single phase 16 kA 240 V Three phase 12 kA 415 V Annex A 16 kA 240 V Short-time withstand current Single phase 5 kA for 0.5 s Three phase 3 kA for 0.5 s Making and breaking capacity 250 A 240/415 V</p> | <p>BS EN 60947-1:2007 IEC 60947-1:2007 Excluding clauses 8.2.5.2.2 8.2.5.2.3 8.2.6 8.2.7 8.4</p> |
| <p>Low-voltage switchgear and controlgear</p> <p>Part 3: Switches, disconnectors, switch disconnectors and fuse-combination units</p> | <p>Safety Tests Up to 500 V 50 Hz Temperature rise up to 800 A Dielectric tests up to 5 kV Impulse tests up to 12 kV Conditional short-circuit tests Single phase 16 kA 240 V Three phase 12 kA 415 V AC20A, AC20B AC21A, AC21B I_e up to 250 A AC22A, AC22B I_e up to 250 A AC23A, AC23B I_e up to 250 A</p> | <p>BS EN 60947-3:2009 IEC 60947-3:2008</p> |



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|---|--|---|
| Electrical accessories - Residual current operated circuit-breakers without integral overcurrent protection for household and similar uses (RCCB's) - | Safety Tests Up to 500 V 50 Hz Glow wire up to 960 °C Ball pressure up to 125 °C Temperature rise up to 1250 A Dielectric tests up to 5 kV Impulse tests up to 12 kV Impulse tests up to 3 kA Conditional short-circuit tests Single phase 16 kA 240 V Three phase 12 kA 415 V | BS EN 61008-1:2004 Incorporating amendment A11 IEC 61008-1:2010 Excluding clauses 9.21 and 9.23 BS EN 61008-2-1:1995 Incorporating amendment 1 IEC 61008-2-1:1990, Edition No 1 BS EN 61008-2-2:1995 IEC 61008-2-2:1990, Edition No 1 |
| Residual current operated circuit-breakers with integral overcurrent protection for household and similar uses (RCBO's) | 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 Conditional short-circuit tests Single phase 16 kA 240 V Three phase 12 kA 415 V | BS EN 61009-1:2004 BS EN 61009-1:2010 Excluding clauses 9.21 and 9.23 BS EN 61009-2-1:1995 Incorporating amendment A1 BS EN 61009-2-1:1990 BS EN 61009-2-2:1990 BS EN 61009-2-2:1991 |
| Specification for degrees of protection provided by enclosures (IP code) | IP tests up to IP40ABC | BS EN 60529:1992 Incorporating amendments 1 and 2 IEC 60529:1992 Incorporating amendment 1 |
| Environmental testing | Spring Hammer (0.7J) Pendulum hammer (0.7 J) | BS EN 60068-2-75:1997 IEC 60068-2-75:1997 Part 2. Tests Test Eh. Hammer tests For the following clauses: 4. Eha Pendulum hammer 5. Ehb: Spring hammer |
| | END | |