


# 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>	<b>NOVAR ED&amp;S Ltd</b>  <b>Issue No: 030 Issue date: 17 August 2011</b>	
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<b>Testing performed at the above address only</b>		

### DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
<b><u>SECTION 1: ELECTRICAL WIRING ACCESSORIES</u></b>  Ceiling roses	<b><u>ELECTRICAL PRODUCT TESTS</u></b>  Electrical safety	BS 67:1987
Two-pole and earthing-pin plugs, socket-outlets and socket-outlet adapters	Electrical safety	BS 546:1950, Amds 1 to 8 inclusive Supplements 1 and 2
13A rewirable and non-rewirable plugs	Electrical safety	BS 1363:Part 1:1995, Amds 1 to 3 SS 145:Part 1:1997 IS 401:1997 Excluding:- Non rewirable plugs Plugs fitted with screwless terminals Plugs fitted with ISODs
13A switched and unswitched socket-outlets	Electrical safety	BS 1363:Part 2:1995, Amds 1 to 3
Plugs and socket-outlets for household and similar use	Electrical safety	IEC 60884-1:2006 Exclusions: CEE 7 16A type socket-outlets only IP Tests >IP4X



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<p><b><u>SECTION 1: ELECTRICAL WIRING ACCESSORIES</u></b> (cont'd)</p> <p>13A plugs, socket-outlets and adaptors; adaptors</p>	<p><b><u>ELECTRICAL PRODUCT TESTS</u></b> (cont'd)</p> <p>Electrical safety</p>	<p>BS 1363:Part 3:1995, Amds 1 to 3 Exclusion: Adaptors with socket-outlets conforming to BS 546:1950</p>
<p>13A fused connection units switched and unswitched</p>	<p>Electrical safety</p>	<p>BS 1363:Part 4:1995, Amds 1 to 3</p>
<p>Plugs and socket outlets for household and similar general use</p>	<p>Electrical safety</p>	<p>SSA 443E/2003</p>
<p>Plugs and socket outlets for household and similar general use</p>	<p>Electrical safety</p>	<p>SSA 2203/2003 SSA 2204/2003</p>
<p>Switches for household and similar fixed electrical installations</p>	<p>Electrical safety</p>	<p>BS 3676:Part 1:1989, Amd 1 Excluding: IP testing above IP4X Clause 17, DC tests Clause 18, DC tests</p>
<p>Switches for household and similar fixed electrical installations</p>	<p>Electrical safety</p>	<p>BS EN 60669-1:1999 + A2:2008, Corrig Excluding: IP testing above IP 4X</p>
<p>Electronic switches</p>	<p>Electrical safety</p>	<p>BS EN 60669-2-1:2004 +A12, Corrig Dec 2007, Dec 2009 Exclusions: Switches used for motor control and touch sensitive switches Clauses 18.101, 18.102, 26, 101.3, 102.4.1 + A12:2010</p>
<p>Electromagnetic remote-control switches (RCS)</p>	<p>Electrical safety</p>	<p>BS EN 60669-2-2:2006 Excluding: Clause 26, EMC Requirements</p>



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<b><u>SECTION 1: ELECTRICAL WIRING ACCESSORIES</u></b> (cont'd)	<b><u>ELECTRICAL PRODUCT TESTS</u></b> (cont'd)	
Time delay switches	Electrical safety	BS EN 60669-2-3:2006 Excluding: Clause 26, EMC Requirements
Isolating switches	Electrical safety	BS EN 60669-2-4:2005 Excluding: Clause 18.101, Short-circuit withstand Clause 26, EMC Requirements
Cooker control units	Electrical safety	BS 4177:1992, Amds 1 to 4
2-pin plugs and shaver socket-outlets	Electrical safety	BS 4573:1970, Amds 1 to 4
Boxes for the enclosure of electrical accessories	Electrical safety	BS 4662:2006, +A1:2009 Excluding: 3 gang boxes
Bayonet lampholders	Electrical safety	BS EN 61184:2008 For lampholder types B22d only Excluding: Independent lampholders
Lamp caps and holders together with gauges for the control of interchangeability and safety	Electrical safety	BS EN 60061:1993 + A40:2009 corrig April 1998 Gauges for lamp caps and lamp holders types B22 and B22d only
Dimmer switches	Electrical safety	BS 5518:1977, Amds 1 and 2, (obsolescent) Excluding: Clauses 15.2 Clause 23



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<p><b><u>SECTION 1: ELECTRICAL WIRING ACCESSORIES</u></b> (cont'd)</p> <p>Electrical accessories not covered by other British Standards</p>	<p><b><u>ELECTRICAL PRODUCT TESTS</u></b> (cont'd)</p> <p>Electrical safety</p>	<p>BS 5733:2010</p>
<p>Luminaire supporting couplers (LSC's)</p>	<p>Electrical safety</p>	<p>BS 6972:1988, Amd 1</p>
<p>Socket outlets incorporating residual current devices</p>	<p>Performance Electrical safety</p>	<p>BS 7288:1990, Amd 1 For 50 Hz and outlets to BS 1363 only Exclusions: Clauses 8.8 and 8.16</p>
<p>Boxes and enclosures for electrical accessories for household and similar fixed electrical installations</p> <p>General requirements</p>	<p>Electrical safety</p>	<p>BS EN 60670-1:2005, Corrig Nov 2007 and March 2010 Excluding: DC ratings Clause 12.10 Clause 13.2 Clause 13.3</p>
<p>Connecting boxes and enclosures</p>	<p>Electrical safety</p>	<p>BS EN 60670-22:2006 Oct 2010 and Dec 2010 Excluding: DC Ratings Clause 12.10 Clause 13.2 Clause 13.3</p>
<p>Sound signalling devices for household and similar purposes</p>	<p>Electrical safety</p>	<p>IEC 62080:2009 Excluding: IP testing &gt; IP4X Clause 26 EMC testing A3 Components</p>



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<p><b><u>SECTION 2: SWITCHGEAR AND CONTROLGEAR</u></b></p> <p>Circuit-breakers for overcurrent protection for household and similar installations</p>	<p><b><u>ELECTRICAL PRODUCT TESTS</u></b></p> <p>Performance tests Electrical safety tests</p>	<p>BS EN 60898:2003, Amd 1 Excluding: A and D type circuit breakers Circuit breakers with in-rated current &gt; 60A Clause 9.12, Short circuit capacity tests Clause 9.13, Test of resistance to mechanical shock</p>
<p>Low voltage switchgear and controlgear</p>	<p>Electrical safety tests</p>	<p>BS EN 60947-1:2007 Excluding: DC testing IP testing above IP4X Clause 7.3, EMC Clause 8.4, EMC Clause 8.2.1.1.2 Clause 8.3.3.4.1 Clause 8.3.3.4.3 Clause 8.3.3.5 Clause 8.3.4 Annex M Annex S</p>
<p>Switches, disconnecters, switch-disconnecters and fuse-combination units</p>	<p>Electrical safety</p>	<p>BS EN 60947-3:2009 Excluding: Rated thermal current &gt; 400A Utilization categories DC-20, DC21, DC-22 and DC-23 Short-circuit tests to Clauses 8.3.3.3, 8.3.5.1, 8.3.5.2 and 8.3.6.2 Tests to Appendix C For test currents &gt; 150A rms, Clause 8.3.4.1 IP testing above IP4X Ratings other than 50 Hz Clause 7.2.3.1, Impulse testing &gt; 7.0kV Clause 7.3, EMC testing Clause 8.3.3.2, Impulse testing &gt; 7.0kV</p>



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<p><b><u>SECTION 2: SWITCHGEAR AND CONTROLGEAR</u></b> (cont'd)</p> <p>Low voltage switchgear and controlgear assemblies</p>	<p><b><u>ELECTRICAL PRODUCT TESTS</u></b> (cont'd)</p> <p>Electrical safety</p>	<p>BS EN 60439-1:1999, Amd 1, Corrigs 1 and 2 IEC 60439-1:1999 Excluding: Impulse testing &gt; 4kV EMC testing Short-circuit testing</p>
<p>Busbar trunking systems</p>	<p>Electrical safety</p>	<p>BS EN 60439-2:2000, Amd 1 Excluding: EMC Testing Short-circuit testing</p>
<p>Consumer units</p>	<p>Electrical safety</p>	<p>BS EN 60439-3:1991, Amds 1 and 2, Corrig 2 Excluding: IP testing above IP4X Ratings other than 50 Hz Rated current &gt; 200A rms Clause 8.2 Clause 8.2.4</p>
<p>Residual current-operated circuit breakers with integral overcurrent protection (RCBO's)</p>	<p>Electrical safety</p> <p>275V a.c. maximum rating 63 Amps Maximum rating Single Pole devices only</p>	<p>BS EN 61009-1:2004, corrig May 2003 and Cenelec Amds A11, A12 and A13 Excluding: Clause 8 Plug in RCBO's Clause 9.7.6, Control circuits Clause 9.12, Short-circuit tests Clause 9.13.1, Mechanical shock Clause 9.19, Surge test Clause 9.20, 2<sup>nd</sup> series 8kV test Clause 9.21, Clause 9.22, Climatic reliability Clause 9.Z.1, Type A devices Annex F, Short-circuit conordination Annex G, Assembly on site Annex H, EMC</p>



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<b><u>SECTION 3: MATERIALS AND ENCLOSURES</u></b>	<b><u>ELECTRICAL PRODUCT TESTS</u></b>	
Insulating materials	Tracking tests	BS EN 60112:2003, Amd 1, Corrig
Fire hazard testing	Glow wire test	BS 6458:Section 2.1:1984, (withdrawn) BS EN 60695-2-10:2001 BS EN 60695-2-11:2001 BS EN 60695-2-12:2001 BS EN 60695-2-13:2001
Fire hazard testing	Abnormal Heat Ball Pressure Test	BS EN 60695-10-2:2003 Corrigendum 1
Enclosures for electrical equipment	Electrical safety	BS EN 60529:1992, Amds 1 and 2 IP Range up to IP4X
<b><u>SECTION 4: CABLE TRUNKING AND CONDUIT SYSTEMS</u></b>	<b><u>ELECTRICAL PRODUCT TESTS</u></b>	
Cable trunking systems and cable ducting systems for electrical installations  Part 1: General Requirements	Electrical safety	BS EN 50085-1:2005, Corrig Clause 13.1.3, Flame propagation Clause 14.1.1 (above IP4X) Clause 14.1.2
Cable trunking systems and cable ducting systems intended for wall or ceiling mounting	Electrical safety	BS EN 50085-2-1:2006, Corrig Excluding Clause 9.102, systems classified according to 6.102.2 - 6.102.4 Clause 10.3, impact forces > 2J
Conduit systems for cable management  Part 1: General Requirements	Electrical safety	BS EN 61386-1:2008 Excluding: Clause 11.6.2.2 Clause 14.1.1 (above IP4X) Clause 14.1.2



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<p><b><u>SECTION 4: CABLE TRUNKING AND CONDUIT SYSTEMS</u></b> (cont'd)</p> <p>Conduit systems for cable management</p> <p>Part 2: Rigid conduit only</p> <p>Cable trunking and ducting systems for electrical installations</p> <p>Part 1: General Requirements</p>	<p><b><u>ELECTRICAL PRODUCT TESTS</u></b> (cont'd)</p> <p>Electrical safety</p> <p>Electrical safety</p>	<p>BS EN 61386-21:2004 Exclusions: Metallic and composite conduits</p> <p>IEC 61084-1:1991, Amd 1</p>
<p>Cable trunking and ducting systems for electrical installations</p> <p>Part 2: Section 1: Systems intended for mounting on walls or ceilings</p>	<p>Electrical safety</p>	<p>IEC 61084-2-1:1996</p>
<p>Cable trunking made of insulating material</p>	<p>Safety tests</p>	<p>BS 4678:Part 4:1982, Amd 1 Excluding: IP testing above IP4X</p>
<p>Powertrack systems up to 63A</p>	<p>Electrical safety</p>	<p>BS EN 61534-1:2003 Light and medium classification only Excluding: Screwless terminals, IPCUs and flat quick connect terminations Clause 17.3 Clause 19.2, Flame spread Clause 20, IP testing &gt; IP4X Clause 21, EMC Tests Annex F, Impulse voltage</p>
<p>Powertrack systems intended for wall or ceiling mounting</p>	<p>Electrical safety</p>	<p>BS EN 61534-21:2006</p>



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<b><u>SECTION 5: TRANSFORMERS</u></b>  General requirements and tests	<b><u>ELECTRICAL PRODUCT TESTS</u></b>  Electrical safety	BS EN 61558-1:2005, Amd 1, Corrig Excluding: IP testing > IP4X Component testing Clause 14.3.3, vibration Clause 11, IP testing > IP4X Clause 18.4 Clause 19.9, Rubber insulation ageing Clause 20.5.1, Thermal cut-outs Clause 20.7 Clause 26.3.3, mandrel test Annex F, Switches to IEC 61058 Annex K, Insulated winding wires Annex R > 7.3 kV
Shaver transformers and shaver supply units	Electrical safety	BS EN 61558-2-5:2010, Excluding: IP testing > IP4X
Safety isolating transformers for general use	Electrical safety	BS EN 61558-2-6:2009 Excluding: IP testing > IP4X
Bell and chime transformers	Electrical safety	BS EN 61558-2-8:2010 Excluding: IP testing > IP4X
Switch mode power supplies	Electrical safety	BS EN 61558-2-16:2009 Excluding: IP testing > IP4X
Where the BS EN, EN or IEC standards have exact equivalents in EN or IEC Standards, those EN or IEC standards are also included in the accreditation.		
	END	