

DOMESTIC ELECTRICAL INSTALLATION CERTIFICATE  
[FOR A SINGLE DWELLING]

000000596 - Master



<b>Details of the Client</b>		<b>Address of the Installation</b>	
Client and address	SAME AS INSTALLATION ADDRESS	Installation address	73 WESLEY AVE 73 WESLEY AVENUE N.ACTON LONDON
	PostCode		PostCode NW107BL

<b>Details of the Installation</b>		The installation is
Extent of the installation work covered by this Certificate	WHOLE INSTALLATION	New: <input checked="" type="checkbox"/>
		An Addition: <input type="checkbox"/> N/A
		An Alteration: <input type="checkbox"/> N/A

<b>Design, Construction, Inspection and Testing</b>		The extent of liability of the signatory is limited to the work described above as the subject of this certificate For the <b>DESIGN</b> , the <b>CONSTRUCTION</b> and the <b>INSPECTION AND TESTING</b> of the installation	
I being the person(s) responsible for the design, construction and testing of the electrical installation (as indicated by my signature(s) adjacent), particulars of which are described above, having exercised reasonable skill and care when carrying out the design, construction, inspection and testing, hereby CERTIFY that the said work for which I have been responsible is, to the best of my knowledge and belief, in accordance with BS7671: 2008 amended to July 2011 (date) except for the departures, if any, detailed as follows: Details of departures from BS 7671, as amended (Regulations 120.3, 133.5)		Signature	Name Paul McGlynn
None		Date	04/07/2016
		<b>The results of the Inspection and Testing reviewed by the Qualified Supervisor</b>	
		Signature	Name Paul McGlynn
		Date	04/07/2016

<b>Particulars of the Electrical Contractor</b>	
Trading Title	Brite Solutions Electrical Ltd
Address	23 Ayles Road Hayes Middlesex 07951717318
	PostCode UB4 9 HG
NICEIC Enrolment Number	601186
Branch No.(If Applicable)	1

<b>Next Inspection</b>	φ Enter interval as appropriate
I RECOMMEND that this installation is further inspected and tested after an interval of not more than	φ 5 or change of tenancy

<b>Comments on Existing Installation</b>	Note: Enter 'NONE' or, where appropriate, the page number(s) of additional page(s) of comments on the existing installation
None	

<b>Schedule of Additional Records</b>
NA

Supply Characteristics				Nature of supply parameters				Characteristics of primary supply overcurrent protective device(s)						
<b>System Type(s)</b>		<b>Number and type of live conductors</b> Tick boxes and enter details, as appropriate		Notes(1) by enquiry (2) by enquiry or by measurement (3) where more than one supply, record the higher or highest values										
TN-S	<input checked="" type="checkbox"/>	1-Phase (2 Wire)	<input checked="" type="checkbox"/>	1-Phase (3 Wire)	N/A	Number of sources	1	Nominal Voltage(s) U (1)	N/A V	Single-Phase	BS(EN)	1361 Fuse HBC	Type	2
TN-C-S	N/A	3-Phase (3 Wire)	N/A	3-Phase (4 Wire)	N/A	Nominal frequency f (1)	50 Hz	Nominal Voltage(s) U <sub>0</sub> (1)	230 V	3-Phase	Nominal Current rating	100 A	Prospective fault current, I <sub>pf</sub> (2)(3)	1.1 kA
TT	N/A	Other	N/A			External earth fault loop impedance, Z <sub>e</sub> (1)	0.8 Ω				Confirmation of polarity	N/A	Prospective fault current, I <sub>pf</sub> (2)(3)	kA
								Short-Circuit Capacity				33 kA		

Particulars of Installation at the Origin				Main Switch or Circuit Breaker				
<b>Means of Earthing</b>				<b>Protective measures for fault protection</b>				
Distributor's facility	<input checked="" type="checkbox"/>	Type	N/A	Location	N/A	Measured Z <sub>e</sub>	0.24 Ω	
Installation earth electrode	N/A	Electrode resistance, R <sub>A</sub>	N/A Ω	Method of Measurement	N/A	Maximum demand (Load)	45 Amps	
				ADS				
				Number of smoke alarms				5
<b>Earthing Conductor</b>				<b>Main protective bonding conductors of extraneous-conductive-parts</b>				
Conductor Material	Copper	Conductor Material	Copper	Conduct or csa	10 mm <sup>2</sup>	Water Service	<input checked="" type="checkbox"/>	
Conductor csa	16 mm <sup>2</sup>	Continuity / connection verified	<input checked="" type="checkbox"/>	Location (where not obvious)	KIYCHEN/OUTSIDE	Oil Service	N/A	
				Gas				<input checked="" type="checkbox"/>
				Structural Steel				N/A
				Other incoming Service(s)				N/A
				* applicable only where an RCD is used as a main circuit breaker				
				Type BS(EN)				60947-3
				Voltage Rating				230 V
				No. of Poles				2
				Current Rating, I				100 A
				Supply conductors material				Copper
				*RCD Operating current at IΔn				N/A mA
				Supply conductors csa				25
				*RCD Operating time at IΔn				N/A ms

Schedule of Items Inspected			Prevention of mutual detrimental influence			Cables and Conductors			General		
<b>Protective measures against electric shock</b>			<input checked="" type="checkbox"/> Proximity of non-electrical services and other influences.			<input checked="" type="checkbox"/> Selection of conductors for current carrying capacity and voltage drop.			<input checked="" type="checkbox"/> Presence and correct location of appropriate devices for isolation and switching.		
<input checked="" type="checkbox"/> SELV.	<input checked="" type="checkbox"/> Double or Reinforced insulation		<input checked="" type="checkbox"/> Segregation of Band I and Band II circuits or Band II insulation used.			<input checked="" type="checkbox"/> Erection methods.			<input checked="" type="checkbox"/> Adequacy of access to switchgear and other equipment.		
<input checked="" type="checkbox"/> Insulation of live parts	<input checked="" type="checkbox"/> Barriers or Enclosures.		<input checked="" type="checkbox"/> Segregation of safety circuits.			<input checked="" type="checkbox"/> Routing of cables in prescribed zones			<input checked="" type="checkbox"/> Particular protective measures for special installations and locations.		
<input checked="" type="checkbox"/> Presence of earthing conductor	<input checked="" type="checkbox"/> Presence of circuit protective conductors.		<b>Identification</b>			<input checked="" type="checkbox"/> Cables incorporating earthed armour or sheath or run in an earthed wiring system, or otherwise protected against nails, screws and the like.			<input checked="" type="checkbox"/> Connection of single-pole devices for protection or switching in line conductors only.		
<input checked="" type="checkbox"/> Presence of main protective bonding conductors			<input checked="" type="checkbox"/> Presence of diagrams, instructions, circuit charts and similar information.			<input checked="" type="checkbox"/> Additional protection by 30mA RCD(where required, in premises not under the supervision of skilled or instructed persons)			<input checked="" type="checkbox"/> Correct connection of accessories and equipment.		
<input checked="" type="checkbox"/> Presence of adequate arrangements for other source(s), where applicable			<input checked="" type="checkbox"/> Presence of danger notices.			<input checked="" type="checkbox"/> Connection of conductors.			<input checked="" type="checkbox"/> Selection of equipment and protective measures appropriate to external influences.		
<input checked="" type="checkbox"/> Choice and settings of protective devices (for fault protection and/or overcurrent)			<input checked="" type="checkbox"/> Presence of other warning notices, including presence of mixed wiring colours			<input checked="" type="checkbox"/> Presence of fire barriers, suitable seals and protection against thermal effects.			<input checked="" type="checkbox"/> Selection of appropriate functional switching devices.		
<input checked="" type="checkbox"/> Electrical separation for one item of current-using equipment			<input checked="" type="checkbox"/> Labelling of protective devices, switches and terminals.								
<input checked="" type="checkbox"/> Presence of residual current device(s)			<input checked="" type="checkbox"/> Identification of conductors.								
<input checked="" type="checkbox"/> Presence of supplementary bonding conductors											

Schedule of Items Tested			
<input checked="" type="checkbox"/> External earth fault loop impedance, Z <sub>e</sub>	<input checked="" type="checkbox"/> Continuity of ring final circuit conductors.	<input checked="" type="checkbox"/> Polarity.	<input checked="" type="checkbox"/> Operation of residual current device(s).
N/A Installation earth electrode resistance, R <sub>A</sub>	<input checked="" type="checkbox"/> Insulation resistance between live conductors.	<input checked="" type="checkbox"/> Earth fault loop impedance, Z <sub>s</sub> .	<input checked="" type="checkbox"/> Functional testing of assemblies.
<input checked="" type="checkbox"/> Continuity of protective conductors.	<input checked="" type="checkbox"/> Insulation resistance between live conductors and earth.	<input checked="" type="checkbox"/> Verification of phase sequence	<input checked="" type="checkbox"/> Verification of voltage drop.

✓ to Indicate an Inspection has been carried out and the result was satisfactory

x to Indicate an Inspection has been carried out and the result was unsatisfactory

N/A indicates the inspection was not applicable to a particular item

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Circuit Details Test Results

Circuit Number & Phase	Circuit Designation	Type of Wiring	Reference Method	Number of Points Served	Circuit Conductors CSA		Max. Disconnection Time Permitted by BS7671	Overcurrent Protective Device				RCD Operating Current I <sub>Δn</sub> mA	Maximum Z <sub>s</sub> Permitted by BS7671 Ω	Circuit Impedances (Ω)					Insulation Resistance				Polarity	Maximum measured Earth Fault Loop Impedance Z <sub>s</sub> Ω	RCD											
					Live mm <sup>2</sup>	CPC mm <sup>2</sup>		BS(EN)	Type No.	Rating A	Capacity kA			Ring Final circuits only (measured end to end)			All circuits (At least one column to be completed)		Line/Line MΩ	Line/Neutral MΩ	Line/Earth MΩ	Neutral/Earth MΩ			Operating Times		Test button operation									
														r <sub>1</sub> Line	r <sub>n</sub> Neutral	r <sub>2</sub> CPC	R <sub>1</sub> + R <sub>2</sub>	R <sub>2</sub>							at I <sub>Δn</sub> ms	at 5I <sub>Δn</sub> ms										
																											at I <sub>Δn</sub> ms	at 5I <sub>Δn</sub> ms	Test button operation							
*	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1/S	Boiler/W/MACHINE	C	B	2	2.5	1.5	0.4	61009 RCD/RCBO	B	20	10	30	2.30	N/A	N/A	N/A	0.54	N/A	N/A	N/A	200	200	200	✓	0.78	28.6	28.4	✓								
2/S	Smoke	C	B	5	1.5	1	0.4	61009 RCD/RCBO	B	6	10	30	7.67	N/A	N/A	N/A	0.95	N/A	N/A	N/A	200	200	200	✓	1.2	28.6	28.4	✓								
3/S	1ST POWER	C	B	7	2.5	1.5	0.4	61009 RCD/RCBO	B	32	10	30	1.44	N/A	N/A	N/A	0.35	N/A	N/A	N/A	200	200	200	✓	0.57	28.6	28.4	✓								
4/S	GR KIT POWER	C	B	3	2.5	1.5	0.4	61009 RCD/RCBO	B	32	10	30	1.44	N/A	N/A	N/A	0.21	N/A	N/A	N/A	200	200	200	✓	0.45	28.6	28.4	✓								
5/S	1ST LIGHTS	C	B	19	1.5	1	0.4	61009 RCD/RCBO	B	10	10	30	4.60	N/A	N/A	N/A	0.96	N/A	N/A	N/A	200	200	200	✓	1.23	28.6	28.4	✓								
6/S	1ST KIT POWER	C	B	3	2.5	1.5	0.4	61009 RCD/RCBO	B	32	10	30	1.44	N/A	N/A	N/A	0.08	N/A	N/A	N/A	200	200	200	✓	0.31	28.6	28.4	✓								
7/S	OUT LIGHT	C	B	4	1.5	1	0.4	61009 RCD/RCBO	B	10	10	30	4.60	N/A	N/A	N/A	0.97	N/A	N/A	N/A	200	200	200	✓	1.21	28.6	28.4	✓								
8/S	GR LIGHTS	C	B	28	1.5	1	0.4	61009 RCD/RCBO	B	10	10	30	4.60	N/A	N/A	N/A	1.10	N/A	N/A	N/A	200	200	200	✓	1.38	28.6	28.4	✓								
9/S	GR POWER	C	B	12	2.5	1.5	0.4	61009 RCD/RCBO	B	32	10	30	1.44	N/A	N/A	N/A	0.29	N/A	N/A	N/A	200	200	200	✓	0.52	28.6	28.4	✓								
10/S	GR HOB	C	B	2	6	4	0.4	61009 RCD/RCBO	B	32	10	30	1.44	N/A	N/A	N/A	0.07	N/A	N/A	N/A	200	200	200	✓	0.32	28.6	28.4	✓								
11/S	2ND FL LIGHTS	C	B	8	1.5	1.5	0.4	61009 RCD/RCBO	B	10	10	30	4.60	N/A	N/A	N/A	0.67	N/A	N/A	N/A	200	200	200	✓	0.92	28.6	28.4	✓								
12/S	2ND FL POWER	C	B	6	2.5	1.5	0.4	61009 RCD/RCBO	B	32	10	30	1.44	N/A	N/A	N/A	0.31	N/A	N/A	N/A	200	200	200	✓	0.53	28.6	28.4	✓								
13/S	1ST HOB	C	B	2	6	4	0.4	61009 RCD/RCBO	B	32	10	30	1.44	N/A	N/A	N/A	0.10	N/A	N/A	N/A	200	200	200	✓	0.34	28.6	28.4	✓								
14/S	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
15/S	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
16/S	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
17/S	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
18/S	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
19/S	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			

Location of Consumer Unit(s)	HALL ENTRANCE	Designation Consumer Unit(s)	19 WAY RCBO BOARD	Prospective fault current at Consumer Unit(s)	N/A kA	Confirmation of Supply polarity	✓
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Test Instruments

Multifunctional	9222040	Insulation resistance	9222040	Continuity	9222040	Earth electrode resistance	9222040	Earth Fault loop impedance	9222040	RCD	9222040
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## ELECTRICAL INSTALLATION CERTIFICATE GUIDANCE NOTES FOR RECIPIENTS

This safety certificate has been issued to confirm that the electrical installation work to which it relates has been designed, constructed and inspected in accordance with British Standard 7671:2008 (as amended) (The IEE Wiring Regulations).

You should have received an 'original' Certificate and the contractor should have retained a duplicate Certificate. If you were the person ordering the work, but not the owner of the installation, you should pass this Certificate, or a full copy of it including the schedules, immediately to the owner.

The "original" Certificate should be retained in a safe place and be shown to any person inspecting or undertaking further work on the electrical installation in the future. If you later vacate the property, this Certificate will demonstrate to the new owner that the electrical installation complied with the requirements of British Standard 7671 at the time the Certificate was issued. The Construction (Design and Management) Regulations require that for a project covered by those Regulations, a copy of this Certificate and any schedules are included in the project health and safety documentation

For safety reasons, the electrical installation will need to be inspected at appropriate intervals by a competent person. The maximum time interval recommended before the next inspection is stated on page 1 under "Next Inspection".

This Certificate is intended to be issued only for a new electrical installation or for new work associated with an alteration or addition to an existing installation. It should not have been issued for the inspection of an existing electrical installation. An "Electrical Installation Conditioning Report" should be issued for such an inspection.

The certificate is only valid if a test result schedule including test results is appended.

These notes are based on those seen in Appendix 6 BS 7671:2008 (as amended)