

This safety certificate is an important and valuable document which should be retained for future reference

# DOMESTIC ELECTRICAL INSTALLATION CERTIFICATE

Issued in accordance with British Standard 7671 - Requirements for Electrical Installations by an Approved Contractor or Conforming Body enrolled with NICEIC, Warwick House, Houghton Hall Park, Houghton Regis, Dunstable, LU5 5ZX

Original (To the person ordering the work)

## DETAILS OF THE CLIENT

Client and address  
 Stephen Robertson  
 35 Dapple Heath Avenue  
 Melling  
 Liverpool

Postcode: L31 1GA

## ADDRESS OF THE INSTALLATION

Installation address  
 107 Ashbrook Drive  
 Fazakerley

Postcode: L9 7UL

## DETAILS OF THE INSTALLATION

Extent of the installation work covered by this certificate  
 Carried out electrical inspection, replaced consumer unit and reconnected existing circuits, replaced light in bathroom with enclosed type.

The installation is:  
 New   
 An addition   
 An alteration

## DESIGN, CONSTRUCTION, INSPECTION AND TESTING

I/We being the person(s) responsible for the design, construction, inspection and testing of the electrical installation (as indicated by my/our signatures 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/we have been responsible is to the best of my/our knowledge and belief, in accordance with BS 7671, 2008 amended 2011 except for the departures, if any, detailed as follows:

Details of departures from BS 7671, as amended (Regulations 1203,133.5)

None

The extent of liability of the signatory is limited to the work described above as the subject of this certificate. For the **DESIGN** the **CONSTRUCTION** and the **INSPECTION AND TESTING** of the installation.

Signature  Name (CAPITALS) D A HAMPSON Date 05/03/2015

The results of the inspection and testing reviewed by the Qualified Supervisor

Signature  Name (CAPITALS) D A HAMPSON Date 10/03/2015

## PARTICULARS OF THE APPROVED CONTRACTOR

Trading Title DA Hampson & CO LTD

Address  
 15 Marmonde Street  
 Walton  
 Liverpool



Telephone No: 0151 286 2800

Postcode: L4 4NS

NICEIC Enrolment No (Essential information) 21677

Branch No (if applicable)

## NEXT INSPECTION

§ Enter interval in terms of years, months or weeks, as appropriate

I RECOMMEND that this installation is further inspected and tested after an interval of not more than § 10 Years

## COMMENTS ON EXISTING INSTALLATION

Note: Enter 'NONE' or, where appropriate, the page number(s) of additional page(s) of comments on the existing installation

In the case of an alteration or additions see section 633 of BS7671

## SCHEDULE OF ADDITIONAL RECORDS\*

See attached schedule

\* Where the electrical work to which this certificate relates includes the installation of a fire alarm system and/or an emergency lighting system (or part of such systems), this electrical safety certificate should be accompanied by the particular certificate(s) for the system(s)

# DOMESTIC ELECTRICAL INSTALLATION CERTIFICATE

Original (To the person ordering the work)

SUPPLY CHARACTERISTICS				Nature of supply parameters				Characteristics of primary supply overcurrent protective device(s)					
System type(s)		Number and type of live conductors		Number of sources		Nominal voltage(s)		Nominal frequency, f <sup>(1)</sup>		BS(EN)		LIM	
TN-S	N/A	1-phase (2 wire)	<input checked="" type="checkbox"/>	1	1-phase (3 wire)	N/A	230 V	50	Hz	Type	LIM		
TN-C-S	<input checked="" type="checkbox"/>	3-phase (3 wire)	N/A		3-phase (4 wire)	N/A	U <sub>0</sub> <sup>(1)</sup> 230 V	External earth fault loop impedance, Z <sub>e</sub> <sup>(1)</sup>		Rated current	LIM A	Short-circuit capacity	LIM kA
TT	N/A	Other	Please state	Single-phase		Prospective fault current, I <sub>pf</sub> <sup>(2)(3)</sup>	1.09 kA	3-phase				Prospective fault current, I <sub>pf</sub> <sup>(2)(3)</sup> kA	

PARTICULARS OF INSTALLATION AT THE ORIGIN				Main switch or circuit breaker									
Means of earthing		Details of installation earth electrode (where applicable)		Protective measures for fault protection		Measured Z <sub>e</sub>		Type BS(EN)		Voltage rating		230 V	
Distributor's facility	<input checked="" type="checkbox"/>	Type (eg rod(s), tape etc)		Location		ADS	0.21 Ω	BS EN 60947-					
Installation earth electrode	N/A	Electrode resistance, R <sub>A</sub>	Ω	Method of measurement			Maximum demand load	No of poles	2	Rated current, I <sub>n</sub>	100	A	
Earthing conductor		Continuity/connection verified		Main protective bonding conductors and bonding of extraneous parts (✓)		Number of smoke alarms		Supply conductors material		RCD operating current, I <sub>Δn</sub> *		mA	
Conductor material	Copper	Conductor material	Copper	Conductor csa	10 mm <sup>2</sup>	Water service	<input checked="" type="checkbox"/>	Oil Service	N/A	Gas service	<input checked="" type="checkbox"/>	Supply conductors csa	
Conductor csa	16 mm <sup>2</sup>	Continuity/connection verified	<input checked="" type="checkbox"/> (✓)	Location (where not obvious)		Structural steel	N/A	Other incoming service(s)	N/A	RCD operating time (at I <sub>Δn</sub> )*		ms	

\* applicable only where an RCD is used as a main circuit-breaker

SCHEDULE OF ITEMS INSPECTED	Additional protection	Cables and conductors (cont)
<b>Protective measures against electric shock</b> <b>Basic and fault protection</b> Extra low voltage Double or reinforced insulation <input checked="" type="checkbox"/> N/A SELV <b>Basic protection</b> <input checked="" type="checkbox"/> Insulation of live parts <input checked="" type="checkbox"/> Barriers or enclosures <b>Fault protection</b> <b>Automatic disconnection of supply</b> <input checked="" type="checkbox"/> Presence of earthing conductor <input checked="" type="checkbox"/> Presence of circuit protective conductors <input checked="" type="checkbox"/> Presence of main protective bonding conductors <input checked="" type="checkbox"/> Presence of adequate arrangements for other source(s), where applicable <input checked="" type="checkbox"/> Choice and setting of protective devices (for fault protection and/or overcurrent) <b>Electrical separation</b> <input checked="" type="checkbox"/> For one item of current-using equipment	<input checked="" type="checkbox"/> Presence of residual current device(s) <input checked="" type="checkbox"/> Presence of supplementary bonding conductors <b>Prevention of mutual detrimental influence</b> <input checked="" type="checkbox"/> Proximity of non-electrical services and other influences <input checked="" type="checkbox"/> Segregation of Band I and Band II circuits of Band II insulation used <input checked="" type="checkbox"/> Segregation of safety circuits <b>Identification</b> <input checked="" type="checkbox"/> Presence of diagrams, instructions, circuit charts and similar information <input checked="" type="checkbox"/> Presence of danger notices <input checked="" type="checkbox"/> Presence of other warning notices, including presence of mixed wiring colours <input checked="" type="checkbox"/> Labelling of protective devices, switches and terminals <input checked="" type="checkbox"/> Identification of conductors <b>Cables and conductors</b> <input checked="" type="checkbox"/> Selection of conductors for current carrying capacity and voltage drop LIM Erection methods	LIM Routing of cables in prescribed zones N/A Cables incorporating earthing armour or sheath or run in an earthed wiring system, or otherwise protected against nails, screws and the like <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"/> Connection of conductors <input checked="" type="checkbox"/> Presence of fire barriers, suitable seals and protection against thermal effects <b>General</b> <input checked="" type="checkbox"/> Presence and correct location of appropriate devices for isolation and switching <input checked="" type="checkbox"/> Adequacy of access to switchgear and other equipment <input checked="" type="checkbox"/> Particular protective measures for special installations and locations <input checked="" type="checkbox"/> Connection of single-pole devices for protection or switching in line conductors only <input checked="" type="checkbox"/> Correct connections of accessories and equipment <input checked="" type="checkbox"/> Selection of equipment and protective measures appropriate to external influences <input checked="" type="checkbox"/> Selection of appropriate functional switching devices

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

† All boxes must be completed. ✓ indicates that an inspection or a test was carried out and that the result was satisfactory. N/A indicates that an inspection or a test was not applicable to the particular installation.  
 ‡ Where a smoke alarm has been installed, separate certification is required on the appropriate form.

# DOMESTIC ELECTRICAL INSTALLATION CERTIFICATE

CIRCUIT DETAILS														TEST RESULTS																
Circuit number and phase	Circuit designation <small>* To be completed only where this consumer unit is remote from the origin of the installation. Record details of the circuit supplying this consumer unit in the bold box</small>	D = Distribution circuit F = Final circuit	Type of wiring (see code below)	Reference Method (see Appendix 4 of BS 7671)	Number of points served	Circuit conductors: csa		Max. disconnection time permitted by BS 7671 (s)	Overcurrent protective devices				RCD	Maximum Zs permitted by BS 7671 (Ω)	Circuit impedances (Ω)				Insulation resistance				Maximum measured earth fault loop impedance, Zs (Ω) <small>* See note below</small>	RCD operating times		Test button operation				
						Live (mm <sup>2</sup> )	cpc (mm <sup>2</sup> )		BS (EN)	Type No	Rating (A)	Short-circuit capacity (kA)			Operating current, I <sub>Δn</sub> (mA)	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)	Polarity (✓)		at I <sub>Δn</sub> (ms)	at 5I <sub>Δn</sub> (if applicable) (ms)		
																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>	
																				✓	✓	✓		✓	✓		✓	✓	✓	✓
1	Cooker	F	A	C	1	6.0	2.5	0.2	60898 MCB	B	32	6	30	1.438				0.37			> 200	> 200	> 200	✓	0.61	28	11	✓		
2	Immersion Heater	F	A	C	1	2.5	1.5	0.2	60898 MCB	B	16	6	30	2.875				0.25			> 200	> 200	> 200	✓	0.52	28	11	✓		
3	Lights down	F	A	C	5	1.5	1.0	0.2	60898 MCB	B	6	6	30	7.667				0.68			> 200	> 200	> 200	✓	0.91	28	11	✓		
4	Spare																													
1	Sockets	F	A	C	22	2.5	1.5	0.2	60898 MCB	B	32	6	30	1.438	0.87	0.87	1.3	0.56			> 200	> 200	> 200	✓	0.78	32	12	✓		
2	Lights up	F	A	C	6	1.5	1.0	0.2	60898 MCB	B	6	6	30	7.667				0.71			> 200	> 200	> 200	✓	0.98	32	12	✓		
3	Smoke detectors	F	A	C	2	1.5	1.0	0.2	60898 MCB	B	6	6	30	7.667				0.39			> 200	> 200	> 200	✓	0.65	32	12	✓		
4	Spare																													

Location of consumer unit(s) **Down Stairs Toilet** Designation of consumer unit(s) **House** Prospective fault current at consumer unit(s) **1.09 kA**

TEST INSTRUMENTS	
Multi-functional Di Log	Insulation resistance
Continuity	Earth electrode resistance
Earth fault current impedance	RCD

**Original** (To the person ordering the work)  
**CODES FOR TYPE OF WIRING**  
 A Thermoplastic (thermoelastic) cables in non-sheathed  
 B Thermoplastic (thermoelastic) cables in non-sheathed  
 C Thermoplastic (thermoelastic) cables in non-sheathed  
 D Thermoplastic (thermoelastic) cables in non-sheathed  
 E Thermoplastic (thermoelastic) cables in non-sheathed  
 F Thermoplastic (thermoelastic) cables in non-sheathed  
 G Mineral insulated cables  
 H Mineral insulated cables  
 O (Other - please state)