

DOMESTIC ELECTRICAL INSTALLATION CERTIFICATE

Issued in accordance with British Standard 7671 - Requirements for Electrical Installations by an ELECSA Registered Domestic Installer, Certsure LLP, Mansfield Business Centre, Ashfield Avenue, Mansfield NG18 2AE.

IRN/ 1605091

Installer's Reference Number

DETAILS OF THE CLIENT

Client and address

Postcode

ADDRESS OF THE INSTALLATION

Installation address

Postcode

DETAILS OF THE INSTALLATION

Extent of the installation work covered by this certificate

Power points and lighting

The installation is

New ☒

An addition ☐

An alteration ☐

DESIGN, CONSTRUCTION, INSPECTION AND TESTING

I, being the person(s) responsible for the design, construction, inspection and testing of the electrical installation (as indicated by my signature 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 BS 7671, 2008 amended to 2016 (date) except for the departures, if any, detailed as follows:

Details of departures from BS 7671, as amended (Regulations 120.3, 133.5)

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) Date

Signature Name (CAPITALS) Date

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

PARTICULARS OF THE REGISTERED DOMESTIC INSTALLER

Trading title

Address

Postcode

ELECSA Registration No (Essential information)

Telephone No

NEXT INSPECTION

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

COMMENTS ON EXISTING INSTALLATION

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

SCHEDULE OF ADDITIONAL RECORDS*

See attached schedule

* Where the electrical work to which this certificate relates includes the installation of a fire detection/ alarm system (or a part of such a system), this electrical safety certificate should be accompanied by the particular certificate for the system.

This certificate is based on the model forms shown in Appendix 6 of BS 7671.

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SUPPLY CHARACTERISTICS

Tick boxes and enter details, as appropriate

Number and type of live conductors

System type(s)	1-phase (2-wire)	1-phase (3-wire)	2-phase (3-wire)	3-phase (4-wire)	Other
TN-S	✓				
TN-C-S					
TT					

Nature of supply parameters

Notes: (1) by enquiry (2) by enquiry or by measurement (3) where more than one supply, record the higher or highest values

Number of sources	1	Nominal voltage(s) U_n	N/A V	Nominal frequency, f_n	50 Hz
Single-phase Prospective fault current, I_{pf}	2.0 kA	U_o	230 V	External earth fault loop impedance, Z_o	0.80 Ω
3-phase Prospective fault current, I_{pf}	2.0 kA				1 kA

Characteristics of primary supply overcurrent protective device(s)

BS(EN)	B61	Short-circuit capacity	33 kA
Type	4	Confirmation of supply polarity	✓
Rated current	100 A		

PARTICULARS OF INSTALLATION AT THE ORIGIN

Tick boxes and enter details, as appropriate

Details of installation earth electrode (where applicable)

Means of earthing	Distributor's facility	Type (eg rod(s), tape etc)		Location	
Installation earth electrode		Electrode resistance, R_a		Method of measurement	

Earthing conductor

Conductor material		Continuity/connection verified	✓	Conductor material	COPPER	Conductor csa	10 mm ²
Conductor csa		Location (where not obvious)					

Main protective bonding conductors and bonding of extraneous-conductive-parts (✓)

Protective measure(s) for fault protection	2.0	Water installation pipes	✓	Structural steel	
Maximum demand (Load)	60 kVA	Oil installation pipes		Other	
Number of smoke alarms	1	Gas installation pipes	✓		

Main Switch/Switch-Fuse/Circuit-Breaker/RCD

Type BS(EN)	6094.2.2	Voltage rating	240 V
No of poles	2	Rated current, I_n	100 A
Supply conductors material	COPPER	RCD operating current, $I_{\Delta n}$	1 mA
Supply conductors csa	25 mm ²	RCD operating time (at $I_{\Delta n}$)	1 ms
		Rated time delay*	1 ms

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

SCHEDULE OF ITEMS INSPECTED

† See note below

1.0 CONDITION/ADEQUACY OF DISTRIBUTOR'S/SUPPLY INTAKE EQUIPMENT (the Distributor should be notified of any unsatisfactory equipment)

1.1 Service cable	✓
1.2 Service head	✓
1.3 Distributor's earthing arrangement	✓
1.4 Meter tails - Distributor/Consumer	✓
1.5 Metering equipment	✓
1.6 Means of main isolation (where present)	N/A

2.0 PARALLEL OR SWITCHED ALTERNATIVE SOURCES OF SUPPLY

2.1 Adequate arrangements where a generating set operates as a switched alternative to the public supply	N/A
2.2 Adequate arrangements where a generating set operates in parallel with the public supply	N/A
2.3 Presence of alternative/additional supply warning notice(s)	N/A

3.0 AUTOMATIC DISCONNECTION OF SUPPLY

3.1 Presence and adequacy of protective earthing/ bonding arrangements as follows:	
a) Distributor's earthing arrangement or installation earth electrode arrangement	N/A
b) Earthing conductor and connections	✓
c) Main protective bonding conductors and connections	✓
d) Earthing/bonding labels at all appropriate locations	✓

3.2 Accessibility of:

- a) Earthing conductor connections ✓
b) All protective bonding connections ✓

4.0 BASIC PROTECTION

- 4.1 Presence and adequacy of measures to provide basic protection (prevention of contact with live parts) within the installation:
a) Insulation of live parts e.g. conductors completely covered with durable insulating materials ✓
b) Barriers or enclosures e.g. correct IP rating ✓

5.0 ADDITIONAL PROTECTION

- 5.1 Presence and effectiveness of additional protection methods
a) RCD(s) not exceeding 30 mA operating current ✓
b) Supplementary bonding ✓

6.0 OTHER METHODS OF PROTECTION

- 6.1 Basic and fault protection LOCATION
a) SELV
b) PELV
c) Double insulation/Reinforced insulation
d) Electrical separation for one item of equipment

† All boxes must be completed. '✓' indicates that an inspection was carried out and that the result was satisfactory. 'N/A' indicates that an inspection was not applicable to the particular installation.

‡ Where a smoke alarm has been installed, separate certification is required on the appropriate form.

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† See note below

SCHEDULE OF ITEMS INSPECTED

7.0 CONSUMER UNIT(S)	
7.1 Adequacy of working space/accessibility	✓
7.2 Security of fixing	✓
7.3 Adequacy / security of barriers	✓
7.4 Insulation of live parts not damaged during erection	✓
7.5 Enclosures not damaged during installation	✓
7.6 Suitability of enclosures for IP and fire ratings	✓
7.7 Presence and operation of main switch(es), linked, where appropriate	✓
7.8 Operation of circuit-breakers and RCDs to prove functionality	✓
7.9 Correct identification of circuit protective devices	✓
7.10 RCD(s) provided for fault protection, where specified	✓
7.11 RCD(s) provided for additional protection, where specified	✓
7.12 Confirmation of overvoltage protection (SPDs) provided and functional where specified	✓
7.13 Presence of RCD quarterly test notice at or near the origin	✓
7.14 Presence of diagrams, charts or schedules at or near each Consumer unit(s)	✓
7.15 Presence of non-standard (mixed) cable colour warning notice at or near the appropriate distribution board, where required	✓
7.16 Presence of next inspection recommendation label	✓
7.17 Presence of other required labelling	✓
7.18 Selection of protective device(s) and base(s); correct type and rating	✓
7.19 Single-pole protective devices in line conductor only	✓
7.20 Protection against mechanical damage where cables enter equipment	✓
7.21 Protection against electromagnetic effects where cables enter ferromagnetic enclosures	✓
7.22 Confirmation that ALL conductor connections, including connections to busbars are correctly located in terminals and are tight and secure	✓
8.0 CIRCUITS	
8.1 Identification of conductors	✓
8.2 Cables adequately supported throughout their length	✓
8.3 Examination of cables for signs of mechanical damage during installation	✓
8.4 Adequacy of cables for current-carrying capacity with regard to the type and nature of installation	✓
8.5 Adequacy of protective devices: type and rated current for fault protection	✓
8.6 Presence and adequacy of circuit protective conductors	✓
8.7 Coordination between conductors and overload protective devices	✓
8.8 Non-sheathed cables enclosed throughout (e.g. in conduit/trunking)	N/A
8.9 Cables installed under floors, above ceilings, in walls / partitions, adequately protected against damage	✓
a) Installed in prescribed zones	✓
b) Incorporating earthed armour or sheath, or installed within earthed wiring system, or otherwise protected against mechanical damage by nails, screws and the like	✓

8.10 Provision of additional protection by RCDs having rated residual operating current ($I_{\Delta n}$) not exceeding 30 mA

- a) For mobile equipment with a current rating not exceeding 32 A for use outdoors ✓
- b) For all socket-outlets of rating 20 A or less, unless exempt ✓
- c) For cables installed in walls/partitions at a depth of less than 50 mm ✓
- d) For cables installed in walls/partitions containing metal parts regardless of depth ✓
- 8.11 Provision of fire barriers, sealing arrangements so as to minimize the spread of fire ✓
- 8.12 Band II cables segregated/separated from Band I cables ✓
- 8.13 Cables segregated/separated from non-electrical services ✓
- 8.14 Termination of cables at enclosures ✓
- a) Connections under no undue strain ✓
- b) No basic insulation of a conductor visible outside enclosure ✓
- 8.15 Circuit accessories not damaged during erection ✓
- 8.16 Single-pole devices for switching or protection in the line conductors only ✓
- 8.17 Adequacy of connections, including cpcs, within accessories and at fixed and stationary equipment ✓
- 8.18 Presence of appropriate devices for isolation and switching correctly located ✓
- a) Accessible means of switching off for mechanical maintenance ✓
- b) Correct operation verified (functional check) ✓

9.0 CURRENT-USING EQUIPMENT (PERMANENTLY CONNECTED)

- 9.1 Adequacy of working space/accessibility ✓
- 9.2 Suitability of equipment in terms of IP and fire ratings ✓
- 9.3 Enclosure not damaged/deteriorated during installation so as to impair safety ✓
- 9.4 Cable entry holes in ceilings above luminaires, sized or sealed so as to restrict the spread of fire ✓
- 9.5 Recessed luminaires (downlighters) ✓
- a) Correct type of lamps fitted ✓
- b) Installed to minimise build-up of heat ✓

10.0 LOCATION(S) CONTAINING A BATH OR SHOWER

- 10.1 Additional protection by RCD not exceeding 30 mA ✓
- a) For low voltage circuits serving the location ✓
- b) For low voltage circuits passing through Zone 1 and/or Zone 2 not serving the location ✓
- 10.2 Where used as a protective measure, requirements for SELV or PELV are met ✓
- 10.3 Shaver sockets comply with BS EN 61558-2-5 formerly BS 3535 ✓
- 10.4 Presence of supplementary bonding conductors unless not required by BS 7671: 2008 ✓
- 10.5 Low voltage (e.g. 230 volts) socket-outlets sited at least 3 m from zone 1 ✓
- 10.6 Suitability of equipment for external influences for installed location in terms of IP rating ✓
- 10.7 Suitability of electrical equipment for installation in a particular zone ✓

11.0 OTHER PART 7 SPECIAL INSTALLATIONS OR LOCATIONS

- 11.1 List all other special installations or locations present, if any. (Record separately the results of particular inspections applied separately)

SCHEDULE OF ITEMS INSPECTED BY:

Signature:

Name
(Capitals):

Date:

† All boxes must be completed. '✓' indicates that an inspection was carried out and that the result was satisfactory. 'N/A' indicates that an inspection was not applicable to the particular installation.

‡ Where a smoke alarm has been installed, separate certification is required on the appropriate form.

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CIRCUIT DETAILS

* 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.

TEST RESULTS

CIRCUIT DETAILS										TEST RESULTS																
Circuit number	Circuit designation	Type of wiring (see code)	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 permitted by BS 7671 (s)	Circuit impedances (Ω)					Insulation resistance				Maximum measured earth fault loop impedance, Z _e (Ω)	RCD operating times		Test button operation at 5 I _{Δn} (if applicable) (ms)	Test button operation at I _{Δn} (ms)	
					Live (mm ²)	cpc (mm ²)		BS (EN)	Type	Rating (A)		Short-circuit capacity (kA)	Operating current, I _{Δn} (mA)	Ring final circuits only (measured end to end)	Neutral (Ω)	t _n (cpc)	t _s (cpc)	All circuits (At least one column to be completed)	Line/Line (MΩ)	Line/Neutral (MΩ)		Line/Earth (MΩ)	Neutral/Earth (MΩ)			Polarity
*	D.B. to Hair Smith																									
1	Supply Shower	B	C	1	6.0	2.5	10.5	6.0	8	40.6	30.0	1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.5	17	17	17	17
2	Socket bath. front	B	C	1	2.5	1.5	10.5	11	8	32	6	1.0	0.2	0.2	0.2	1	1.0	1.0	1.0	1.0	1.0	2.5	17	17	17	17
3	Cupb. bathrooms	B	C	1	1.5	1.0	10.5	11	8	6	30.5	1	1	1	1	1	1.0	1.0	1.0	1.0	1.0	2.5	17	17	17	17
4	Cupb. bathrooms	B	C	1	1.5	1.0	10.5	11	8	6	30.5	1	1	1	1	1	1.0	1.0	1.0	1.0	1.0	2.5	17	17	17	17
11	Supply Shower	B	C	1	6.0	2.5	10.5	6.0	8	32	6	1.0	1.0	1.0	1.0	1	1.0	1.0	1.0	1.0	1.0	2.5	17	17	17	17
21	Socket bath. back	B	C	1	2.5	1.5	10.5	11	8	32	6	1.0	0.2	0.2	0.2	1	1.0	1.0	1.0	1.0	1.0	2.5	17	17	17	17
31	Socket bath. supply	B	C	1	1.5	1.0	10.5	11	8	6	30.5	1	1	1	1	1	1.0	1.0	1.0	1.0	1.0	2.5	17	17	17	17
41	Cupb. bath.	B	C	1	1.5	1.0	10.5	11	8	6	30.5	1	1	1	1	1	1.0	1.0	1.0	1.0	1.0	2.5	17	17	17	17
	D.B. to Hair Smith																									
	RCD																									
11	Supply Cooker	B	C	1	6.0	2.5	10.5	6.0	8	40	6	1.0	1.0	1.0	1.0	1	1.0	1.0	1.0	1.0	1.0	2.5	17	17	17	17
21	Socket kitchen	B	C	1	2.5	1.5	10.5	11	8	32	6	1.0	0.2	0.2	0.2	1	1.0	1.0	1.0	1.0	1.0	2.5	17	17	17	17
31	Socket bath. 1,2,3	B	C	1	1.5	1.0	10.5	11	8	32	6	1.0	0.2	0.2	0.2	1	1.0	1.0	1.0	1.0	1.0	2.5	17	17	17	17
41	Supply bath.	B	C	1	2.5	1.5	10.5	11	8	16	6	1.0	1.0	1.0	1.0	1	1.0	1.0	1.0	1.0	1.0	2.5	17	17	17	17
51	Cupb. bath. 1,2	B	C	1	1.5	1.0	10.5	11	8	6	30.5	1	1	1	1	1	1.0	1.0	1.0	1.0	1.0	2.5	17	17	17	17
11	Supply cooker	B	C	1	6.0	2.5	10.5	6.0	8	32	6	1.0	1.0	1.0	1.0	1	1.0	1.0	1.0	1.0	1.0	2.5	17	17	17	17
21	Socket kitchen	B	C	1	2.5	1.5	10.5	11	8	32	6	1.0	0.2	0.2	0.2	1	1.0	1.0	1.0	1.0	1.0	2.5	17	17	17	17
31	Cupb. kitchen	B	C	1	1.5	1.0	10.5	11	8	6	30.5	1	1	1	1	1	1.0	1.0	1.0	1.0	1.0	2.5	17	17	17	17
41	Supply Security	B	C	1	1.5	1.0	10.5	11	8	6	30.5	1	1	1	1	1	1.0	1.0	1.0	1.0	1.0	2.5	17	17	17	17
11	Cupb. bath. back	B	C	1	1.5	1.0	10.5	11	8	6	30.5	1	1	1	1	1	1.0	1.0	1.0	1.0	1.0	2.5	17	17	17	17

Location of consumer unit: **01062211** Designation of consumer unit: **2.0** Prospective fault current at consumer unit: **2.0** kA

TEST INSTRUMENTS

Multi-function: **01062211** Insulation resistance: **2.0** Continuity: **2.0** Earth electrode resistance: **2.0** Earth fault loop impedance: **2.0** RCD: **2.0**