APPROVED CONTRACTOR

PART P NUMBER: N/A

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

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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: Martyn Gruneberg
14 Newton Street
Blairgowrie
Postcode: PH10 6DJ

ADDRESS OF THE INSTALLATION

Installation address: 14 Newton Street
Blairgowrie
Postcode: PH10 6DJ

DETAILS OF THE INSTALLATION

Extent of the installation work covered by this certificate: DB replaced and EICR carried out previous to that.
Smoke and CO detection installed.

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 excercised 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 mmended to 2008 te) except for the departures, if any, detailed as follows:

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

N/A

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) GRANT ROBBIE | Date 28/04/2016

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

Signature | Name (CAPITALS) KEVIN DONACHIE | Date 28/04/2016

PARTICULARS OF THE APPROVED CONTRACTOR

Trading Title: Kevin Donachie Electricians

Address: 29 Honeyberry Crescent
Rattray
Perthshire

Telephone No: 01250 872792 Postcode: PH10 7RD

APPROVED CONTRACTOR

NICEIC Enrolment No (Essential information): 010160000

Branch No (if applicable): N/A

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 § 5 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

None

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

SCHEDULE OF ADDITIONAL RECORDS*

See attached schedule

N/A

** 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)*

Please see the 'Notes for Recipients'

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DOMESTIC ELECTRICAL INSTALLATION CERTIFICATE

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SUPPLY CHARACTERISTICS

Tick boxes and enter details, as appropriate

System type(s)

TN-S	✔
TN-C-S	N/A
TT	N/A

Number and type of live conductors

1-phase (2-wire)	N/A	1-phase (3-wire)	✔
3-phase (3-wire)	N/A	3-phase (4-wire)	N/A
Other (Please state)	N/A		

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) $U^{(1)}$	230 V	Nominal frequency, $f^{(1)}$	50 Hz
		U_o (1)	230 V	External earth fault loop impedance, Z_e (1)	0.21 Ω
Single-phase		Prospective fault current, I_{pf} (2)(3)	1.08 kA	**3-phase** Prospective fault current, I_{pf} (2)(3)	N/A kA

Characteristics of primary supply overcurrent protective device(s)

BS(EN)	BS 1361 Fuse HBC Domestic Type 2		
Type	2		
Rated current	100 A	Short-circuit capacity	16.5 kA

PARTICULARS OF INSTALLATION AT THE ORIGIN

Tick boxes and enter details, as appropriate

Means of earthing

Distributor's facility	✔
Installation earth electrode	N/A

Details of installation earth electrode (where applicable)

Type (eg rod(s), tape etc)	N/A	Location	N/A
Electrode resistance, RA	N/A Ω	Method of measurement	N/A

Protective measures for fault protection	ADS	Measured Z_e	0.21 Ω
		Maximum demand load	63 Amps
		Number of smoke alarms ‡	4

Earthing conductor

Conductor material	Copper		
Conductor csa	16 mm²	Continuity/ connection verified	✔ (✔)

Main protective bonding conductors and bonding of extraneous parts (✔)

Continuity/ connection verified	✔	Conductor material	Copper	Conductor csa	10 mm²	Water service	✔
Location (where not obvious)	N/A					Oil Service	N/A
						Gas service	✔
						Structural steel	N/A
						Other incoming service(s)	N/A

Main switch or circuit breaker

Type BS(EN)	BS EN 60947-	Voltage rating	230 V
No of poles	2	Rated current, I_n	100 A
Supply conductors material	Copper	RCD operating current, $I_{\Delta n}$*	N/A mA
Supply conductors csa	25 mm²	RCD operating time (at $I_{\Delta n}$)*	N/A ms

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

SCHEDULE OF ITEMS INSPECTED

† *See note below*

Protective measures against electric shock

Basic and fault protection

Extra low voltage
Double or reinforced insulation

- ✔ SELV
- ✔ Double or reinforced insulation

Basic protection

- ✔ Insulation of live parts
- N/A Barriers or enclosures

Fault protection

Automatic disconnection of supply

- ✔ Presence of earthing conductor
- ✔ Presence of circuit protective conductors
- ✔ Presence of main protective bonding conductors
- N/A Presence of adequate arrangements for other source(s), where applicable
- ✔ Choice and setting of protective devices(for fault protection and/or overcurrent)

Electrical seperation

- ✔ For one item of current-using equipment

Additional protection

- ✔ Presence of residual current device(s)
- ✔ Presence of supplementary bonding conductors

Prevention of mutual detrimental influence

- ✔ Proximity of non-electrical services and other influences
- ✔ Segregation of Band I and Band II circuits of Band II insulation used
- N/A Segregation of safety circuits

Identification

- ✔ Presence of diagrams, instructions, circuit charts and similar information
- ✔ Presence of danger notices
- ✔ Presence of other warning notices,including presence of mixed wiring colours
- ✔ Labelling of protective devices, switches and terminals
- ✔ Identification of conductors

Cables and conductors

- ✔ Selection of conductors for current carrying capacity and voltage drop
- ✔ Erection methods

Cables and conductors (cont)

- ✔ Routing of cables in prescribed zones
- ✔ Cables incoprporating earthing armour or sheath or run in an earthed wiring system,or otherwise protected against nails, screws and the like
- ✔ Additional protection by 30mA RCD (where required, in premises not under the suppervision of skilled or instructed persons)
- ✔ Connection of conductors
- ✔ Presence of fire barriers, suitable seals and protection against thermal effects

General

- ✔ Presence and correct location of appropriate devices for isolation and switching
- ✔ Adequacy of access to switchgear and other equipment
- ✔ Particular protective measures for special installations and locations
- ✔ Connection of single-pole devices for protection or switching in line conductors only
- ✔ Correct connections of accessories and equipment
- ✔ Selection of equipment and protective measures appropriate to external influences
- ✔ Selection of appropiate functional switching devices

SCHEDULE OF ITEMS TESTED

- ✔ External earth fault loop impendance, Z_e
- N/A Installation earth electrode resistance, R_A
- ✔ Continuity of protective conductors
- ✔ Continuity of ring final circuit conductions
- ✔ Insulation resistance between live conductors
- ✔ Insulation resistance between live conductors and earth
- ✔ Polarity
- ✔ Earth fault loop impendance, Z_s
- N/A Verification of phase sequence
- ✔ Operation of residual current device(s)
- ✔ Functional testing of assemblies
- N/A Verification of voltage drop

†*See note below*

† ***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.*

NICEIC APPROVED CONTRACTOR

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DOMESTIC ELECTRICAL INSTALLATION CERTIFICATE

CIRCUIT DETAILS

TEST RESULTS

Circuit number and phase	Circuit designation * 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	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 Live (mm²)	Circuit conductors: csa cpc (mm²)	Max. disconnection time permitted by BS 7671 (s)	Overcurrent protective devices BS (EN)	Type No	Rating (A)	Short-circuit capacity (kA)	RCD Operating current, $I_{\Delta n}$ (mA)	Maximum Z_s permitted by BS 7671 (Ω)	Circuit impedances (Ω) Ring final circuits only (measured end to end) r_1 (Line)	r_n (Neutral)	r_2 (cpc)	All circuits (At least one column to be completed) $R_1 + R_2$	R_2	Insulation resistance Line/Line (MΩ)	Line/Neutral (MΩ)	Line/Earth (MΩ)	Neutral/Earth (MΩ)	Polarity (✔)	Maximum measured earth fault loop impedance, Z_s * See note below (Ω)	RCD operating times at $I_{\Delta n}$ (ms)	RCD operating times at $5I_{\Delta n}$ (if applicable) (ms)	Test button operation (✔)
1	SHOWER	F	A	101	1	6.0	2.5	0.4	60898 MCB	B	32	6	30	1.37	N/A	N/A	N/A	N/A	0.70	N/A	> 999	> 999	> 999	✔	0.91	32.7	16.0	✔
2	UPSTAIRS SOCKETS	F	A	101	6	2.5	1.5	0.4	60898 MCB	B	32	6	30	1.37	0.21	0.21	0.35	N/A	0.14	N/A	> 999	> 999	> 999	✔	0.35	32.7	16.0	✔
3	DOWNSTAIRS LIGHTS	F	A	101	6	1.0	1.0	0.4	60898 MCB	B	6	6	30	7.28	N/A	N/A	N/A	N/A	0.84	N/A	> 999	> 999	> 999	✔	1.05	32.7	16.0	✔
4	SPARE	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	
5	SPARE	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	
6	DOWNSTAIRS SOCKETS	F	A	101	13	2.5	1.5	0.4	60898 MCB	B	32	6	30	1.37	0.15	0.15	0.25	N/A	0.11	N/A	> 999	> 999	> 999	✔	0.32	32.9	17.4	✔
7	CENTRAL HEATING	F	A	101	1	2.5	1.5	0.4	60898 MCB	B	16	6	30	2.73	N/A	N/A	N/A	N/A	0.09	N/A	> 999	> 999	> 999	✔	0.30	32.9	17.4	✔
8	UPSTAIRS LIGHTS	F	A	101	3	1.0	1.0	0.4	60898 MCB	B	6	6	30	7.28	N/A	N/A	N/A	N/A	0.74	N/A	> 999	> 999	> 999	✔	0.95	32.9	17.4	✔
9	SMOKES	F	A	101	4	1.0	1.0	0.4	60898 MCB	B	6	6	30	7.28	N/A	N/A	N/A	N/A	0.33	N/A	> 999	> 999	> 999	✔	0.54	32.9	17.4	✔
10	SPARE	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	

CODES FOR TYPE OF WIRING: A Thermoplastic insulated/sheathed cables; B Thermoplastic cables in metallic conduit; C Thermoplastic cables in non-metallic conduit; D Thermoplastic cables in metallic trunking; E Thermoplastic cables in non-metallic trunking; F Thermoplastic/SWA cables; G Thermosetting/SWA cables; H Mineral-insulated cables; O (Other - please state) N/A

Location of consumer unit(s): Front Hall

Designation of consumer unit(s): DB 1

Prospective fault current at consumer unit(s): N/A kA

TEST INSTRUMENTS

Test instrument (serial numbers) used

Multi-function: 611175407111073322

Insulation resistance: N/A

Continuity: N/A

Earth electrode resistance: N/A

Earth fault loop impedance: N/A

RCD: N/A