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APPROVED CONTRACTOR

Contractor's Reference Number

This certificate is not valid if the serial number has been defaced or altered **DPN7/0308793**

ELECTRICAL INSTALLATION CONDITION REPORT
FOR SMALL INSTALLATIONS NOT EXCEEDING 100 A

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)

TYPE OF INSTALLATION

Domestic Dwelling ✓ | Highway Installation | Leisure Accommodation Vehicle | Modular Dwelling | Transportable Unit

DETAILS OF THE CLIENT

Client: Owner

Address: 25 Shrublands Road
Banstead
SM7 2ES

Postcode: SM7 2ES

PURPOSE OF THE REPORT

Purpose for which this report is required: Test following works

Date(s) on which inspection and testing were carried out: 06/09/17

EXTENT OF THE INSTALLATION AND LIMITATIONS ON THE INSPECTION AND TESTING

Extent of the electrical installation covered by this report:

Consumer unit & 20% of circuits

Agreed limitations (including the reasons), if any, on the inspection and testing:

No removal of panels or boards
Insulation test Ph/N - Earth only
20% sample test
No test on lighting over 2.4m
No EM testing (only power off test- if visible)

Agreed with:

Operational limitations including the reasons (see page No.)

The inspection and testing have been carried out in accordance with BS 7671, as amended. Cables concealed within trunking and conduits, or cables and conduits concealed under floors, in inaccessible roof spaces and generally within the fabric of the building or underground, have not been visually inspected unless specifically agreed between the client and inspector prior to the inspection.

DETAILS OF THE INSTALLATION

Occupier: Owner

Address: 25 Shrublands Road
Banstead
SM7 2ES

Postcode: SM7 2ES

Estimated age of the electrical installation: 22 years

Evidence of alterations or additions: ✔

If yes, estimated age: 1 years

Date of previous inspection:

Electrical Installation Certificate No or previous Periodic Inspection or Condition Report No:

Records of installation available: No

Records held by:

SUMMARY OF THE CONDITION OF THE INSTALLATION

General condition of the installation (in terms of electrical safety):

Good standard of fittings

Summary of the condition of the installation continued on additional pages? No ✔ Yes Specify page

Overall assessment of the installation: SATISFACTORY / ~~UNSATISFACTORY~~ *

*** An 'Unsatisfactory' assessment indicates that dangerous (CODE C1) and/or potentially dangerous (CODE C2) conditions have been identified, or that Further investigation without delay (FI) is required**

This report should have been reviewed and confirmed by the registered Qualified Supervisor of the Approved Contractor responsible for issuing it. (See declaration on page 2)

Please see the 'Notes for Recipients'

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OBSERVATIONS AND RECOMMENDATIONS FOR ACTIONS TO BE TAKEN

Referring to the attached schedules of inspection and test results, and subject to the limitations at page 1:

There are no items adversely affecting electrical safety. ✔ **or** The following observations and recommendations for action are made N/A

Item No	Observation(s) include reference location as appropriate	Code †
1	Non IP rated down lights in Bathroom	C3
2	Some fitting showing signs of age	FI

Additional Pages? No ✔ Yes Specify page

†One of the following codes, as appropriate, has been allocated to each of the observations made above to indicate to the person(s) responsible for the installation the degree of urgency for remedial action:

Code C1 ***"Danger Present".*** Risk of injury. Immediate remedial action required.

Code C2 ***"Potentially dangerous".*** Urgent remedial action required.

Code C3 ***"Improvement recommended".***

Code FI ***"Further investigation required without delay".***

Immediate remedial action required for items:

Urgent remedial action required for items:

Further investigation required without delay for items: 2

Improvement recommended for items: 1

DECLARATION

I/We, being the person(s) responsible for the inspection and testing of the electrical installation (as indicated by my/our signatures below), particulars of which are described on page 1, having exercised reasonable skill and care when carrying out the inspection and testing, hereby declare that the information in this report, including the observations and the attached schedules, provides an accurate assessment of the condition of the electrical installation taking into account the stated extent of the installation and the limitations on the inspection and testing.

I/We further declare that in my/our judgement, the overall assessment of the installation in terms of its suitability for continued use is SATISFACTORY / ~~UNSATISFACTORY~~

at the time the inspection was carried out, and that it should be further inspected as recommended within the time interval below.

* **An 'Unsatisfactory' assessment indicates that dangerous (CODE C1) and/or potentially dangerous (CODE C2) conditions have been identified, or that Further investigation without delay (FI) is required**

INSPECTION, TESTING AND ASSESSMENT BY:

Signature 

Name (CAPITALS) KEVIN DUFFY

Position Qualified Supervisior

Date: 06/09/2017

REPORT REVIEWED AND CONFIRMED BY:

Signature 

Name (CAPITALS) KEVIN DUFFY

(Registered Qualified Supervisor for the Approved Contractor at J)

Date: 06/09/2017

NEXT INSPECTION

I/We recommend that this installation is further inspected and tested after an interval of not more than:

3yrs

(Enter interval in terms of years or months, as appropriate)

provided that any items which have been attributed a Classification code C1 (danger present) are remedied immediately and that any items which have been attributed a code C2 (potentially dangerous) or FI (further investigation required without delay) are remedied or investigated respectively as a matter of urgency. Items which have been attributed a Classification code C3 should be improved as soon as practicable.

Please see the 'Guidance for Recipients'

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ELECTRICAL INSTALLATION CONDITION REPORT FOR SMALL INSTALLATIONS NOT EXCEEDING 100 A

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SUPPLY CHARACTERISTICS

System type(s)

TN-S	✔
TN-C-S	
TT	

Number and type of live conductors

1-phase (2 wire)	✔	1-phase (3 wire)	
3-phase (3 wire)		3-phase (4 wire)	
Other			

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 (4) by measurement*

Number of sources	1	Nominal Voltage(s): $U^{(1)}$		V	Nominal frequency, $f^{(1)}$ 50 Hz
		U_0 (1)	230	V	External earth fault loop impedance, Z_e (3)(4) Ω
Single-phase	Prospective fault current, I_{pf} (2)(3)	1.91	kA	**3-phase**	Prospective fault current, I_{pf} (2)(3) kA

Characteristics of primary supply overcurrent protective device(s)

BS(EN)	Lim	Short-circuit capacity	Lim kA
Type	Lim	Confirmation of supply polarity	✔
Rated current	Lim A		

PARTICULARS OF INSTALLATION AT THE ORIGIN

Tick boxes and enter details, as appropriate

Means of earthing

Distributor's facility	✔
Installation earth electrode	

Details of installation earth electrode (where applicable)

Type (eg rod(s), tape etc)		Location	
Electrode resistance R_A	Ω	Method of measurement	

Protective measure(s) for fault protection		Measured Z_e	0.18 Ω
		Maximum demand (Load)	50
		Number of smoke alarms	

Earthing conductor

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

Main protective bonding conductors and bonding of extraneous-conductive-parts

Continuity/ connection verified	✔	Conductor material	Copper	Conductor csa	10 mm²
Location (where not obvious)					

Water installation pipes	✔	Structural steel	
Oil installation pipes		Other	
Gas installation pipes	✔		

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

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, $I_{\Delta n}$*	mA
Supply conductors csa	mm²	RCD operating time (at $I_{\Delta n}$)*	ms
		Rated time delay*	ms

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

VEHICLE DETAILS

Type: Touring ☐ Static ☐ Motorhome ☐ Year of manufacture | Model | Registration (motorhome) | VIN

PARTICULARS OF VEHICLE INSTALLATION OR TRANSPORTABLE UNITS

☐ **Hook-up connection**

Flexible supply cable

Length m csa mm²

I_z A $(R_1 + R_2)_{cs}$ Ω

Means of earthing

☐ System type: TT

For static (fixed) vehicles
Installation earth electrode details:

Type: *(e.g. rods(s), Tapes(s))* Method of measurement

Electrode resistance, R_A Ω

Location

☐ System type: TN-S ☐ TN-C-S*

* Connection to a TN-C-S system requires supervision (see regulation 717.411.4)

Measured earth fault loop impedance, Z_e Ω

Supply voltage(s) and maximum load/demand Nominal voltage(s) U_0 U Maximum permitted load Amps

Earthing and protective bonding conductors

Earthing conductor *(for static vehicles or transportable units)*	N/A	Conductor Material		Conductor csa	mm²	Connection/ continuity verified	N/A
Chassis	N/A	Conductor Material		Conductor csa	mm²	Connection/ continuity verified	N/A
Water service	N/A	Conductor Material		Conductor csa	mm²	Connection/ continuity verified	N/A
Gas service	N/A	Conductor Material		Conductor csa	mm²	Connection/ continuity verified	N/A

TRANSPORTABLE UNIT DETAILS

Model name and year | Description

† ***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.*

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ELECTRICAL INSTALLATION CONDITION REPORT FOR SMALL INSTALLATIONS NOT EXCEEDING 100 A

Original (To the person ordering the work)

DETAILS OF NICEIC APPROVED CONTRACTOR

Trading title:

Address:

Postcode:

Enrolment number: (Essential information)

Branch number: (if applicable)

Telephone number:

Email Address:

SCHEDULE OF INSPECTIONS

Item	Description	Outcome*
1.0	**Condition/adequacy of distributor's/supply intake 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)	
2.0	**Presence of adequate arrangements for other sources (microgenerators etc)**	
2.1	Adequate arrangements where a generating set operates as a switched alternative to the public supply	
2.2	Adequate arrangements where a generating set operates in parallel with the public supply	
2.3	Presence of alternative/additional supply warning notice(s)	✔
3.0	**Earthing and bonding arrangements**	
3.1	Presence and condition of distributor's earthing arrangement	✔
3.2	Presence and condition of earth electrode connection	
3.3	Confirmation of adequate earthing conductor size	✔
3.4	Accessibility and condition of earthing conductor at Main Earthing Terminal (MET)	✔
3.5	Confirmation of adequate main protective bonding conductor sizes	✔
3.6	Accessibility and condition of main protective bonding conductor connections	✔
3.7	Accessibility and condition of other protective bonding connections	✔
3.8	Provision of earthing and bonding labels at all appropriate locations	✔
4.0	**Consumer unit(s)**	
4.1	Adequacy of working space or access to consumer unit	✔
4.2	Security of fixing	✔
4.3	Condition of enclosure(s) in terms of IP rating	✔
4.4	Condition of enclosure(s) in terms of fire rating	✔
4.5	Enclosure not damaged/deteriorated so as to impair safety	✔
4.6	Presence of linked main switch	✔
4.7	Operation of main switch (functional check)	✔
4.8	Main switch capable of being secured in the OFF position	✔
4.9	Operation of circuit-breakers and RCDs to prove disconnection (functional check)	✔
4.10	Correct identification of circuits and protective devices	✔
4.11	Presence of RCD test notice at or near consumer unit	✔
4.12	Presence of non-standard (mixed) cable colour warning notice at or near consumer unit	✔
4.13	Presence of alternative or additional supply warning notice at or near consumer unit	
4.14	Presence of next inspection recommendation label	✔
4.15	Presence of other required labelling (please specify)	✔
4.16	Examination of protective device(s) and base(s); correct type and rating (no signs of unacceptable thermal damage, arcing or overheating)	✔
4.17	Single-pole switching or protective devices in the line conductors only	✔
4.18	Protection against mechanical damage where cables enter consumer unit	✔
4.19	Protection against electromagnetic effects where cables enter metallic consumer unit/enclosure	✔
4.20	RCDs provided for fault protection - includes RCBOs	✔
4.21	RCDs provided for additional protection - includes RCBOs	✔
4.22	Confirmation of indication that SPD is functional	✔
4.23	Confirmation that ALL conductor connections, including connections to busbars are correctly located in terminals and are tight and secure	✔
5.0	**Distribution/final circuits**	
5.1	Identification of conductors	✔
5.2	Cables correctly supported throughout their length	LIM
5.3	Condition of insulation of live parts	✔
5.4	Non-sheathed cables protected by enclosure in conduit, ducting or trunking (including confirmation of the integrity of conduit and trunking systems)	✔
5.5	Adequacy of cables for current-carrying capacity with regard to the type and nature of installation	✔
5.6	Adequacy of protective devices; type and rated current for fault protection	✔
5.7	Presence and adequacy of circuit protective conductors	✔
5.8	Co-ordination between conductors and overload protective devices	✔
5.9	Wiring system(s) appropriate for the type and nature of the installation and external influences	✔
5.10	Cables installed under floors, above ceilings, in walls / partitions, adequately protected against damage	
	• installed in prescribed zones. Extent and limitations	LIM
	• incorporating earthed armour or sheath, or installed within earthed wiring system, or otherwise protected against mechanical damage by nails, screws and the like	LIM
5.11	Provision of additional protection by RCD not exceeding 30 mA	
	• ‡ for all socket-outlets of rating 20 A or less	✔
	• ‡ for mobile equipment not exceeding a rating of 32A for use outdoors	✔
	• ‡ for cables installed in walls or partitions at a depth of less than 50 mm	LIM
	• ‡ for cables installed in walls / partitions containing metal parts regardless of depth	LIM
	• ‡ lighting of bus shelters, telephone kiosks, town plans and the like	
5.12	Provision of fire barriers, sealing arrangements and protection against thermal effects	LIM

† Where inadequacies in distributor's equipment are encountered, it is recommended that the person ordering the report informs the appropriate authority.
‡ Older installations designed prior to BS 7671: 2008 may not have been provided with RCDs for additional protection.

* ***All Outcome boxes must be completed***
'✔' indicates Acceptable condition
'LIM' indicates a Limitation
'N/A' indicates Not applicable
Unacceptable condition state C1 or C2
Improvement recommended state C3
Further investigation required without delay state FI (to determine whether danger or potential danger exists)

Outcome
Provide additional comment where appropriate on attached numbered sheets.
C1, C2, C3 and FI coded items to be recorded in Paghe 2 of the report.

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SCHEDULE OF INSPECTIONS

Item	Description	Outcome*
5.13	Band II cables segregated/separated from Band I cables	LIM
5.14	Cables segregated/separated from communications cabling	LIM
5.15	Cables segregated/separated from non-electrical services	LIM
5.16	Termination of cables at enclosures (extent of sampling indicated on page 1 of the report)	
	• Connections soundly made and under no undue strain	
	• No basic insulation of a conductor visible outside enclosures	
	• Connections of live conductors adequately enclosed	
	• Adequately connected at point of entry to enclosure (glands, bushes etc.)	
5.17	Condition of accessories including socket-outlets, switches and joint boxes	✔
5.18	Suitability of accessories for external influences	✔
5.19	Adequacy of working space / accessibility to equipment	✔
5.20	Single-pole devices for switching or protection in line conductors only	✔
6.0	**Isolation and switching (isolation, switching off for mechanical maintenance and functional switching)**	
6.1	In general	
	• presence and condition of appropriate devices	
	• correct operation verified	
6.2	For isolation and switching for mechanical maintenance only	
	• capable of being secured in the OFF position where appropriate	
	• acceptable location - state if local or remote from equipment being controlled where appropriate	
	• clearly identified by position and/or durable marking(s)	
6.3	For isolation only	
	• warning label(s) posted in situations where live parts cannot be isolated by the operation of a single device	

Item	Description	Outcome*
7.0	**Current-using equipment (Permanently connected)**	
7.1	Condition of equipment in terms of IP rating	
7.2	Equipment does not constitute a fire hazard	✔
7.3	Enclosure not damaged/deteriorated so as to impair safety	✔
7.4	Suitability for the environment and external influences	✔
7.5	Security of fixing	✔
7.6	Cable entry holes in ceiling above luminaires, sized or sealed so as to restrict the spread of fire List number and location of luminaires inspected. (Separate page)	✔
7.7	Recessed luminaires (downlighters)	
	• correct type of lamps fitted	✔
	• installed to minimise build-up of heat by use of 'fire rated' fittings, insulation displacement box or similar	LIM
	• no signs of overheating to surrounding building fabric	LIM
	• no signs of overheating to conductors/terminations	
8.0	**Location(s) containing a bath or shower**	
8.1	Additional protection by RCD not exceeding 30 mA	
	• for low voltage circuits serving the location	
	• for low voltage circuits passing through Zone 1 and Zone 2 not serving the location	✔
8.2	Where used as a protective measure, requirements for SELV or PELV are met	
8.3	Shaver sockets comply with BS EN 61558-2-5 formerly BS 3535	
8.4	Presence of supplementary bonding conductors unless not required by BS 7671: 2008	
8.5	Low voltage (e.g. 230 volts) socket-outlets sited at least 3 m from zone 1	
8.6	Suitability of equipment for external influences for installed location in terms of IP rating	
8.7	Suitability of equipment for installation in a particular zone	

Item	Description	Outcome*
9.0	**Other special installations or locations - Part 7s**	
9.1	List of all other special installations or locations, if any, present. (Record the results of any particular inspection and append separately).	

SCHEDULE OF ITEMS INSPECTED PARTICULAR TO A LEISURE ACCOMMODATION VEHICLE OR A TRANSPORTABLE UNIT

Item	Description	Outcome*
10.0	**Means of connection**	
10.1	'Hook-up' connection arrangement (inlet, plug and connector)	
	• equipment complies with BS EN 60309-2	
	• acceptable condition	
10.2	Flexible 'hook-up' cable	
	• correct length and size (csa)	
	• acceptable type (to BS 7919) and condition	
10.3	Direct connection (to static vehicles)	
	• acceptable type of wiring system and condition	
	• correct size (csa)	
10.4	Presence of required identification/labelling	
	• instructions for the safe use of the caravan/transportable unit installation/supply	
	• indication of voltage (stated on or adjacent) to all extra-low voltage (ELV) socket-outlets	
10.5	Plugs and socket-outlets non-interchangeable with those of LV installation	
10.6	All conductors adequately protected against mechanical damage	
10.7	All conductors adequately protected against mechanical stresses (e.g. vibration from vehicular motion)	

Note: Older installations designed prior to BS 7671:2008 may not have been provided with RCDs for additional protection

SCHEDULES AND ADDITIONAL PAGES

Schedule of Inspections: Page(s) No 4,5

Additional pages, including data sheets for additional source(s) : Page No(s)

Special installations or locations: Page No(s)

Schedule of Circuit Details for the Installation: Page No(s) 6

Schedule of Test Results for the Installation: Page No(s) 6

The pages identified are an essential part of this report. The report is valid only if accompanied by all the schedules and additional pages identified above.

* ***All Outcome boxes must be completed***
'✔' indicates Acceptable condition
'LIM' indicates a Limitation
'N/A' indicates Not applicable
Unacceptable condition state C1 or C2
Improvement recommended state C3
Further investigation required without delay state FI (to determine whether danger or potential danger exists)

Outcome
Provide additional comment where appropriate on attached numbered sheets.
C1, C2, C3 and FI coded items to be recorded in Paghe 2 of the report.

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SCHEDULES

Original (To the person ordering the work)

CIRCUIT DETAILS / TEST RESULTS

Circuit number	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	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	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 (Ω)	RCD operating times: at $I_{\Delta n}$ (ms)	at $5I_{\Delta n}$ (if applicable) (ms)	Test button operation (✓)
1	Workshop	A	A	5	10	4	0.4	60898 MCB	B	32	6	30	1.37				0.12			Lim	> 200	> 200	✔	0.26	29	19	✔
2	Cooker	A	A	1	10	4	0.4	60898 MCB	B	32	6	30	1.37				0.12			Lim	> 200	> 200	✔	0.30	29	19	✔
3	Ring final (gnd)	A	A	7	2.5	1.5	0.4	60898 MCB	B	32	6	30	1.37	0.25	0.24	0.41	0.23			Lim	> 200	> 200	✔	0.31	29	19	✔
4	Water heater	A	A	1	2.5	1.5	0.4	60898 MCB	B	20	6	30	2.19				0.23			Lim	> 200	> 200	✔	0.32	29	19	✔
5	Lights (gnd)	A	A	9	1.5	1	0.4	60898 MCB	B	6	6	30	7.28				0.51			Lim	> 200	> 200	✔	0.69	29	19	✔
6	Ring final (kit)	A	A	7	2.5	1.5	0.4	60898 MCB	B	32	6	30	1.37	0.26	0.27	0.45	0.28			Lim	> 200	> 200	✔	0.43	29	11	✔
7	Ring final (1st)	A	A	6	2.5	1.5	0.4	60898 MCB	B	32	6	30	1.37	0.29	0.30	0.53	0.29			Lim	> 200	> 200	✔	0.44	29	11	✔
8	Sockets (utility)	A	A	4	2.5	1.5	0.4	60898 MCB	B	20	6	30	2.19				0.41			Lim	> 200	> 200	✔	0.59	29	11	✔
9	Lights/SD	A	A	11	1.5	1	0.4	60898 MCB	B	6	6	30	7.28				0.66			Lim	> 200	> 200	✔	0.82	29	11	✔
10	Cupboard light & bell txfmer	A	A	2	1.5	1	0.4	60898 MCB	B	6	6	30	7.28				0.12			Lim	> 200	> 200	✔	0.29	29	11	✔

Location of consumer unit: Cupboard

Designation of consumer unit: DB1

Prospective fault current at consumer unit: kA

CODES FOR TYPE OF WIRING

A	B	C	D	E	F	G	H	O (Other - please state)
Thermoplastic insulated/sheathed cables	Thermoplastic cables in metallic conduit	Thermoplastic cables in non-metallic conduit	Thermoplastic cables in metallic trunking	Thermoplastic cables in non-metallic trunking	Thermoplastic/SWA cables	Thermosetting/SWA cables	Mineral-insulated cables	

TEST INSTRUMENTS

Test instruments (serial numbers) used

Multi-functional: 1001JoC

Insulation resistance:

Continuity:

Earth electrode resistance:

Earth fault loop impedance:

RCD: