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25276141

DCN18C

DOMESTIC ELECTRICAL INSTALLATION CERTIFICATE

Small installations up to 100 A single phase supply

Issued in accordance with BS 7671: 2018 – Requirements for Electrical Installations

PART 1 : DETAILS OF THE CONTRACTOR, CLIENT AND INSTALLATION

DETAILS OF THE CONTRACTOR

Registration No: 021993000
Trading Title: Brenmore Electrical Ltd
Address: 25 Ashgrove Croft, Kippax, Leeds
Postcode: LS25 7RB Tel No: 0113 286 4783

DETAILS OF THE CLIENT

Contractor Reference Number (CRN): N/A
Name: Ness Partnership
Address: 142 Shipton Road, York
Postcode: YO30 5RU Tel No: N/A

DETAILS OF THE INSTALLATION

Occupier: N/A
Address: 11 Emmerson Street, York
Postcode: YO31 0XH Tel No: N/A

PART 2 : DETAILS OF THE ELECTRICAL WORK COVERED BY THIS INSTALLATION CERTIFICATE

Date works completed: 11/05/2022
The installation is –
New: (✓)
An addition: (N/A)
An alteration: (N/A)
Replacement of a consumer unit: (N/A)

Description and extent of the installation covered by this certificate:
Complete Rewire
Where necessary, continue on a separate numbered page: Page No(s) (N/A)

PART 3 : NEXT INSPECTION OF THE ELECTRICAL INSTALLATION

I RECOMMEND that this installation is further inspected and tested after an interval of not more than: 5 years/~~XXXX~~* (delete as appropriate)

PART 4 : DECLARATION FOR THE ELECTRICAL INSTALLATION WORK

DESIGN, CONSTRUCTION, INSPECTION & TESTING

I, being the person responsible for the design, construction, inspection and testing of the electrical installation, particulars of which are described in PART 2, having exercised reasonable skill and care when carrying out the design and additionally where this certificate applies to an addition or alteration, having confirmed that the safety of the existing installation is not impaired, hereby CERTIFY that the design, construction, inspection and testing for which I have been responsible is to the best of my knowledge and belief in accordance with BS 7671: 2018, amended to 2020 (date) except for the following departures, if any, identified None details on attached page(s) (N/A) (Regulations 120.3, 133.1.3 and 133.5). • Where selectivity is required, details of the verification appended (536.4): (N/A) Page No(s) (N/A)

Name (capitals): G J BROWN Signature: G J Brown Date: 12/05/2022

REVIEWED BY QUALIFIED SUPERVISOR

Name (capitals): G J BROWN Signature: G J Brown Date: 12/05/2022

*The proposed date for the next inspection should take into consideration any legislative or licensing requirements and the frequency and quality of maintenance that the installation can reasonably be expected to receive during its intended life. The period should be agreed between relevant parties.

Original (to the person ordering the work)



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PART 5 : COMMENTS ON THE EXISTING INSTALLATION (in the case of an addition or alteration see Regulation 644.1.2)

N/A

PART 6 : SUPPLY CHARACTERISTICS AND EARTHING ARRANGEMENTS

System type and earthing arrangements		Number and type of live conductors		Nature of supply parameters	
TN-C-S: (✓) (.....) TN-S: (N/A) TT: (N/A) (.....)	AC 1-phase, 2-wire: (✓) (.....)	Other (state): N/A	Other (state): N/A	Nominal line voltage to Earth, U_0 : (230) V	(1) By enquiry, measurement, or by calculation
Supply protective device	Confirmation of supply polarity: (.....) (✓) (.....)	Other sources of supply (as detailed on attached schedule) Page No: (N/A) (.....)		Nominal frequency, f : (50) Hz	
(BS EN) 88-2 (.....)	Other sources of supply (as detailed on attached schedule) Page No: (N/A) (.....)			Prospective fault current, I_{pr} (1)*: (25) kA	
Type: (9G) (.....) Rated current: (80) A				External loop impedance, Z_e (1)*: (0.35) Ω	

PART 7 : PARTICULARS OF INSTALLATION REFERRED TO IN THIS CERTIFICATE

Maximum demand (load): (N/A) A	Main protective conductors	Main protective bonding connections	Main switch / Switch-fuse / Circuit-breaker / RCD
Means of Earthing	Earthing conductor: (material) Copper Connection / continuity verified: (.....) (✓) (.....)	Water installation pipes: (.....) (✓) (.....)	Type: (BS EN) 60947-3 (.....)
Distributor's facility: (N/A) (.....)	Main protective bonding conductors: (material) Copper Connection / continuity verified: (.....) (✓) (.....)	Gas installation pipes: (.....) (N/A) (.....)	Location: (Kitchen Cupboard)
Installation earth electrode: (N/A) (.....)		Structural steel: (.....) (N/A) (.....)	No. of poles: (2) (.....)
Where an earth electrode is used insert		Oil installation pipes: (.....) (N/A) (.....)	Rating / setting of device: (N/A) A
Type – rod(s), tape, etc: (None) (.....)		Lightning protection: (.....) (N/A) (.....)	Voltage rating: (230) V
Location: (N/A) (.....)		Other (state): (N/A) (.....)	Where an RCD is used as the main switch
Electrode resistance to Earth: (N/A) (.....) Ω			RCD rated residual operating current, $I_{\Delta n}$: (N/A) mA
			Measured operating time: (N/A) (.....) ms
			Rated time delay: (N/A) (.....) ms

PART 8 : SCHEDULES AND ADDITIONAL PAGES

Schedule of Inspections	Schedule of Circuit Details and Test Results for the installation	Additional pages, including data sheets for additional sources	Special installations or locations (indicated in item 11.1 on page 4)	Continuation sheets
Page No(s): (.....) (3 & 4) (.....)	Page No(s): (5) (.....)	Page No(s): (None) (.....)	Page No(s): (None) (.....)	Page No(s): (None) (.....)

The pages identified are an essential part of this certificate.

*Where the installation is supplied by more than one source, the higher or highest values of prospective fault current, I_{pr} , and external earth fault loop impedance, Z_e , must be recorded.

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PART 9 : SCHEDULE OF ITEMS INSPECTED

1. External condition of intake equipment (visual inspection only)

- (If inadequacies are identified with the intake equipment, it is recommended the person ordering the report informs the appropriate authority)
- 1.1 Service cable: (.....) (✓.....)
 - 1.2 Service head: (.....) (✓.....)
 - 1.3 Earthing arrangement: (.....) (✓.....)
 - 1.4 Meter tails: (.....) (✓.....)
 - 1.5 Meter tails: (.....) (✓.....)
 - 1.6 Isolator (where present): (.....) (N/A.....)

2. Presence of adequate arrangements for other sources

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

3. Automatic disconnection of supply

- 3.1 Presence and adequacy of earthing and protective bonding arrangements: (.....) (N/A.....)
- a) Installation earth electrode (where applicable) (.....) (✓.....)
- b) Earthing conductor and connections, including accessibility (.....) (✓.....)
- c) Main protective bonding conductors and connections, including accessibility (.....) (✓.....)
- d) Provision of safety electrical earthing/bonding labels at all appropriate locations (.....) (✓.....)
- e) RCD(s) provided for fault protection (.....) (✓.....)

4. 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 material (.....) (✓.....)
- b) Barriers or enclosures e.g. correct IP rating (.....) (✓.....)

5. Additional protection

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

6. Other methods of protection

- 6.1 Presence and effectiveness of methods which give both basic and fault protection: (.....) (✓.....)
- a) SELV system including the source and associated circuits (.....) (✓.....)
- b) PELV system including the source and associated circuits (.....) (✓.....)
- c) Double or reinforced insulation i.e. Class II or equivalent equipment and associated circuits (.....) (✓.....)
- d) Electrical separation for one item of equipment e.g. shaver supply unit (.....) (✓.....)

7. Consumer unit(s) / distribution board(s)

- 7.1 Adequacy of access and working space for items of electrical equipment including switchgear: (.....) (✓.....)
- 7.2 Components are suitable according to assembly manufacturer's instructions or literature: (.....) (✓.....)
- 7.3 Presence of linked main switch(es): (.....) (✓.....)
- 7.4 Isolators, for every circuit or group of circuits and all items of equipment: (.....) (✓.....)
- 7.5 Suitability of enclosure(s) for IP and fire ratings: (.....) (✓.....)
- 7.6 Protection against mechanical damage where cables enter equipment: (.....) (✓.....)
- 7.7 Confirmation that ALL conductor connections are correctly located in terminals and are tight and secure: (.....) (✓.....)
- 7.8 Avoidance of heating effects where cables enter ferromagnetic enclosures e.g. steel: (.....) (✓.....)
- 7.9 Selection of correct type and ratings of circuit protective devices for overcurrent and fault protection: (.....) (✓.....)
- 7.10 Confirmation overvoltage protection (SPDs) provided where specified: (.....) (N/A.....)
- 7.11 Indication of SPDs continued functionality confirmed: (.....) (N/A.....)
- 7.12 Adequacy of AFDD(s), where specified: (.....) (N/A.....)

7.13 Presence of appropriate circuit charts, warning and other notices:

- a) Provision of circuit charts/schedules or equivalent forms of information (.....) (✓.....)
 - b) Warning notice of method of isolation where live parts not capable of being isolated by a single device (.....) (✓.....)
 - c) Periodic inspection and testing notice (.....) (✓.....)
 - d) Presence of RCD six-monthly notice, where required (.....) (✓.....)
 - e) Warning notice of non-standard (mixed) colours of conductors present (.....) (✓.....)
- 7.14 Presence of labels to indicate the purpose of switchgear and protective devices: (.....) (✓.....)

8. Circuits

- 8.1 Adequacy of conductors for current-carrying capacity with regard to type and nature of the installation: (.....) (✓.....)
- 8.2 Cable installation methods suitable for the location(s) and external influences: (.....) (✓.....)
- 8.3 Segregation/separation of Band I (ELV) and Band II (LV) circuits, and electrical and non-electrical services: (.....) (✓.....)
- 8.4 Cables correctly erected and supported throughout, with protection against abrasion: (.....) (✓.....)
- 8.5 Provision of fire barriers, and sealing arrangements where necessary: (.....) (✓.....)
- 8.6 Non-sheathed cables enclosed throughout in conduit, ducting or trunking: (.....) (✓.....)
- 8.7 Conductors correctly identified by colour, lettering or numbering: (.....) (✓.....)
- 8.8 Presence, adequacy and correct termination of protective conductors: (.....) (✓.....)
- 8.9 Cables and conductors correctly connected, enclosed and with no undue mechanical strain: (.....) (✓.....)
- 8.10 No basic insulation of a conductor visible outside enclosure: (.....) (✓.....)
- 8.11 Single-pole devices for switching or protection in line conductors only: (.....) (✓.....)
- 8.12 Accessories not damaged, securely fixed, correctly connected, suitable for external influences: (.....) (✓.....)
- 8.13 Cables concealed under floors, above ceilings or in walls / partitions, adequately protected against damage: (.....) (✓.....)



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PART 10 : SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS

Circuits/equipment vulnerable to damage when testing

Circuit number	Circuit description <small>* Where this consumer unit is remote from the origin of the installation, record details of the circuit supplying this consumer unit on the first line.</small>	Type of wiring (see Codes)	Reference Method (BS 7671)	Number of points served	Circuit conductor csa		Max. disconnection time (BS 7671) (s)	Protective device			RCD Operating current, I _{pn} (mA)	Maximum permitted Z _s for installed protective device** (Ω)	Circuit impedances (Ω)			Insulation resistance			RCD operating time (ms)	Test buttons					
					Live (mm ²)	cpc (mm ²)		BS (EN)	Type	Rating			Short-circuit capacity (kA)	(Line) r _l	(Neutral) r _n	(opc) Z _s	All circuits (complete at least one column)	Live / Live (MΩ)		Live / Earth (MΩ)	Test voltage DC (V)	Max measured earth fault loop impedance Z _s (Ω)	Polarity	RCD (✓)	AFDD (✓)
1	Grd Floor Ring Main	A	C	12	2.5	1.5	0.4	60898	B	32	6	30	1.37	0.4	0.4	0.67	0.25	>200	>200	500	✓	0.8	32	✓	N/A
2	SPARE																								
3	1st Floor Lights	A	C	5	1.5	1	0.4	60898	B	6	6	30	7.28			0.75	>200	>200	500	✓	1.5	28	✓	N/A	
4	Smoke Alarms	A	C	8	1.5	1.25	0.4	60898	B	6	6	30	7.28			1.13	>200	>200	500	✓	2.0	29	✓	N/A	
5	Central Heating	A	C	1	1.5	1	0.4	60898	B	6	6	30	7.28			0.4	>200	>200	500	✓	0.9	29	✓	N/A	
6	Shower	A	C	1	10	4	0.4	60898	B	50	6	30	0.87			0.73	>200	>200	500	✓	0.8	32	✓	N/A	
7	Cooker	A	C	1	6	2.5	0.4	60898	B	32	6	30	1.37			0.02	>200	>200	500	✓	1.0	28	✓	N/A	
8	1st Floor Ring Main	A	C	14	2.5	1.5	0.4	60898	B	32	6	30	1.37	0.19	0.19	0.39	0.26	>200	>200	500	✓	0.9	30	✓	N/A
9	Grd Floor Lights	A	C	6	1.5	1	0.4	60898	B	6	6	30	7.28			0.58	>200	>200	500	✓	2.2	32	✓	N/A	
10	SPARE																								

Location of consumer unit: Kitchen Cupboard Designation: DB 1 Prospective fault current at consumer unit (where applicable): (0.791) kA

TESTED BY Name (capital): G J BROWN Position: QS Signature: G J Brown Date: 12/05/2022

TEST INSTRUMENTS (enter serial number against each instrument used)

Multi-function: 16040469 Continuity: N/A Insulation resistance: N/A Earth fault loop impedance: N/A Earth electrode resistance: N/A RCD: N/A

Original (to the person ordering the work)