



APPROVED
CONTRACTOR

DOMESTIC ELECTRICAL INSTALLATION CERTIFICATE

This certificate is not valid if the serial number has been defaced or altered

Small installations up to 100 A single phase supply

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

304753

DCN18

PART 1: DETAILS OF THE CONTRACTOR, CLIENT AND INSTALLATION

DETAILS OF THE CONTRACTOR

Registration No: 22297
Trading Title: S.B. Cook
Address: Electrical Contractor
28 Barby Crescent
Barby, Selby YO8 5BB
Tel: 01753 706737
Postcode:

DETAILS OF THE CLIENT

Contractor Reference Number (CRN):
Name: Mr D B S Chapman
Address: Plover Properties
58 Plover St
Selby
Postcode: DN14 0RE Tel No:

DETAILS OF THE INSTALLATION

Occupier: 10 GLEN AVENUE
Address: YORK
YORK YO8 5BB
Postcode: YO81 0XN Tel No:

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

Date works completed: 12/11/2022
The installation is: RCD INSTALLED FOR PROTECTION TESTED
New: ☒
An addition: ☐
An alteration: ☐
Replacement of a consumer unit: ☐
Description and extent of the installation covered by this certificate:
As per plan received in March 2022. New 2.561270
Where necessary, continue on a separate numbered page: Page No(s) ()

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/months (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 2022 (date) except for the following departures, if any, identified: none

Name (capital): S.B. Cook

Signature:

Date: 12/11/2022

REVIEWED BY QUALIFIED SUPERVISOR

Name (capital): S.B. Cook

Signature:

Date: 12/11/2022

The period stated for the next inspection should take into consideration any legislation or licensing requirements and the frequency and quality of maintenance that the installation can reasonably be expected to receive during its intended life.

This certificate is based on the model forms shown in Appendix 6 of BS 7671
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Please see the 'Notes for Recipient'

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Original (to the person ordering the work)

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All faults repaired

PART 5: COMMENTS ON THE EXISTING INSTALLATION

(in the case of an addition or alteration see Regulation 44.1.2)

PART 6: SUPPLY CHARACTERISTICS AND EARTHING ARRANGEMENTS

System type and earthing arrangements TN-C-S: () TN-S: (✓) TT: ()	Number and type of live conductors AC 1-phase, 2-wire: (✓)	Means of supply parameters Nominal line voltage to Earth, U_0 : (230) V Nominal frequency, f : (50) Hz Prospective fault current, I_{pf} (MVA): (2.62) MVA External loop impedance, Z_e (Ω): (0.14) Ω (By enquiry, measurement, or by calculation)
Supply protective device BS EN: (1361) Type: (IB) () Rated current: (80) A	Other (state): Confirmation of supply polarity: Other sources of supply (as detailed on attached schedule):	

PART 7: PARTICULARS OF INSTALLATION REFERRED TO IN THIS CERTIFICATE

Maximum demand (load): (70) A	Main protective conductors Earthing conductor: Material: (Copper) csa: () mm ² Connection / continuity verified: (✓)	Main protective bonding connections Water installation pipes: (✓) Gas installation pipes: (✓) Structural steel: (✓) Oil installation pipes: (✓) Lightning protection: () Other (state):	Main switch / Switch fuse / Circuit-breaker / RCD BS EN: (60947-3) Type: (MFT) 7.5 kV AC Location: (NEAR TO METER) FRONT DOOR No. of poles: (2) Current rating: (100) A Where an RCD is used as the main switch RCD rated residual operating current, $I_{\Delta n}$: Measured operating time (N/A) ms	Rating / setting of device: Voltage rating: (100) V Rapid time delay: (230) ms
Means of Earthing Distributor's factory: (✓) Installation earth electrode: (N/A)	Main protective bonding conductors: Material: (Copper) csa: (10) mm ² Connection / continuity verified: (✓)			

PART 8: SCHEDULES AND ADDITIONAL PAGES

Schedule of Inspections Page No(s): (3 & 4)	Schedule of Circuit Details and Test Results for the installation Page No(s): (5)	Additional pages, including data sheets for additional sources Page No(s): ()	Special installations or locations indicated in item 11.1 on page 4) Page No(s): ()	Continuation sheets Page No(s): ()
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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_{pf} , and external earth fault loop impedance, Z_e , must be recorded.

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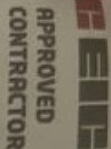
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PART 9 : SCHEDULE OF ITEMS INSPECTED

1. External condition of live equipment (visual inspection only) (All weaknesses are identified with the live equipment, it is recommended the person undertaking the repair informs the appropriate authority)		
1.1 Service cable	(...)	✓
1.2 Service head	(...)	✓
1.3 Earthing arrangement	(...)	✓
1.4 Meter table	(...)	✓
a) Conduit fuse to meter	(...)	✓
b) Meter to consumer unit	(...)	✓
1.5 Metering equipment	(...)	✓
1.6 Isolator (where present)	(...)	✓
2. Presence of adequate arrangements for other sources		
2.1 Adequate arrangements where a generating set operates as a dedicated alternative to the public supply	(...)	✓
2.2 Adequate arrangements where generating set operates in parallel with the public supply	(...)	✓
2.3 Presence of alternative / additional supply warning notices	(...)	✓
3. Automatic disconnection of supply		
3.1 Presence and adequacy of earthing and protective bonding arrangements:		
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. shower 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 enclosures 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	(...)	✓
7.11 Indication of SPDs continued functionality confirmed	(...)	✓
7.12 Adequacy of AFDD(s), where specified	(...)	✓
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:		
a) Segregation/separation of Band I (ELV) and Band II (LV) circuits, and electrical and non-electrical services:	(...)	✓
b) Cables correctly erected and supported throughout, with protection against abrasion	(...)	✓
c) Protection of fire barriers, and sealing arrangements where necessary	(...)	✓
d) Non-sheathed cables enclosed throughout in conduit, during or trunking	(...)	✓
e) Conductors correctly identified by colour, lettering or numbering	(...)	✓
f) Presence, adequacy and correct termination of protective conductors	(...)	✓
g) Cables and conductors correctly connected, enclosed and with no undue mechanical strain	(...)	✓
h) No basic insulation of a conductor visible outside enclosure	(...)	✓
i) Single-pole devices for switching or protection in line conductors only	(...)	✓
j) Accessories not damaged, securely fixed, correctly connected, suitable for external influences	(...)	✓
k) Cables concealed under floors, above ceilings or in walls / partitions, adequately protected against damage	(...)	✓
8.13 Presence of appropriate circuit charts, warning and other notices:		
a) Provision of circuit charts/schedules or equivalent	(...)	✓
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	(...)	✓
8.14 Presence of labels to indicate the purpose of switchgear and protective devices:	(...)	✓



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PART 10: SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS

Circuits/equipment vulnerable to damage when testing

Circuit number	Circuit description * 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.	Type of wiring (see Codes)	Reference Method (BS 7671)	Number of points served	Circuit conductor size		Max. disconnection time (BS 7671) (s)	Protective device			RCD Operating current, $I_{\Delta n}$ (mA)	Maximum permitted Z_s for installed protective device** (Ω)	Circuit impedances (Ω)				Insulation resistance			Polarity	Max. measured earth fault loop impedance, Z_s (Ω)	RCD operating time (ms)	Test buttons			
					Live (mm ²)	CPC (mm ²)		BS (EN)	Type	Rating (A)			Short-circuit capacity (kA)	Line r_1	Neutral r_n	Earth r_2	$(R_1 + R_2)$	R_2	Live / Live (MΩ)				Live / Earth (MΩ)	Test voltage DC (V)	RCD (✓)	AFDD (✓)
1	SHOWER	A	C	1	10.0	4.0	0.4	60898	B	32	6	30	1.37	-	-	-	0.19	-	-	✓	0.3126	✓	-	-		
	SOCKETS UPSTAIRS	A	C	16	2.5	1.0	0.4	60898	B	32	6	30	1.37	0.39	0.34	0.61	0.59	-	-	✓	0.5126	✓	-	-		
	SOCKETS DOWNSTAIRS	A	C	14	2.5	1.0	0.4	60898	B	32	6	30	1.37	0.22	0.21	0.39	0.24	-	-	✓	0.3626	✓	-	-		
	LIVING HALL POINT	A	C	1	2.5	1.0	0.4	60898	B	16	6	30	2.73	-	-	-	0.15	-	-	✓	0.2726	✓	-	-		
	LIGHTS	A	C	21	1.5	1.0	0.4	60898	B	6	6	30	7.28	-	-	-	0.66	-	-	✓	0.7826	✓	-	-		

Location of consumer unit: First Ave Designation: DG1

TESTED BY: S.B. can Position: Parameter Signature: [Signature]

TEST INSTRUMENTS (enter serial number against each instrument used)

Multi-function: <u>233399</u>	Continuity:	Insulation resistance:	Earth fault loop impedance:	Earth electrode resistance:	RCD:
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