

PARTICULARS OF SIGNATORIES TO THE ELECTRICAL INSTALLATION CERTIFICATE

Designer (No. 1)	Name	Stuart Dallas	Company	Brenbar Electrical Services Ltd	
Address	Unit 18 Falcon Business Centre, Ashton Road, Romford		Postcode	RM3 8UR	Tel:
Designer (No. 2)	Name		Company		
(if applicable)					
Address			Postcode		Tel:
Constructor	Name	Patrick Quille	Company	Brenbar Electrical Services Ltd	
Address	Unit 18 Falcon Business Centre, Ashton Road, Romford		Postcode	RM3 8UR	Tel:
Inspector	Name	Luke Healy	Company	Brenbar Electrical Services Ltd	
Address	Unit 18 Falcon Business Centre, Ashton Road, Romford		Postcode	RM3 8UR	Tel:

SUPPLY CHARACTERISTICS AND EARTHING ARRANGEMENTS

Tick boxes and enter details, as appropriate

Earthing arrangements		Number and type of live conductors		Nature of supply parameters			Supply protective device			
TN-C	☐	AC	☐	DC	☐	Nominal voltage, U / U _o ⁽¹⁾	230	V	BS (EN) 88	
TN-S	☒	1-phase, 2-wire	☒	2-wire	☐	Nominal frequency, f ⁽¹⁾	50	Hz	Type 3	
TN-C-S	☐	2-phase, 3-wire	☐	3-wire	☐	Prospective fault current, I _{pf} ⁽²⁾	4.83	kA	Rated current 60 A	
TT	☐	3-phase, 3-wire	☐	Other	☐	External earth fault loop impedance, Z _e ⁽²⁾	0.05	Ω		
IT	☐	3-phase, 4-wire	☐			Note: (1) by enquiry. (2) by enquiry or by measurement				
		Confirmation of supply polarity		☒	Other sources of supply (as detailed on attached schedule)					☐

PARTICULARS OF INSTALLATION REFERRED TO IN THE CERTIFICATE

Tick boxes and enter details, as appropriate

Means of earthing		Maximum demand	Details of Installation Earth Electrode (where applicable)			
Distributor's facility	☒	Maximum demand (load)	Type (e.g. rod(s), tape, etc.) N/A			
Installation earth electrode	☐	53 Amps (delete as appropriate)	Location		Resistance to earth	Ω
Main protective conductors						
Earthing conductor	Material	Copper	csa	16	mm ²	Connection/continuity verified ☒
Main protective bonding conductors	Material	Copper	csa	10	mm ²	Connection/continuity verified ☒
To water installation pipes	☒	To gas installation pipes	☐	To oil installation pipes	☐	To structural steel
To lightning protection	☐	To other	☐	Specify		
Main switch / Switch fuse / Circuit breaker / RCD				If RCD main switch		
Location	Utility Cupboard		Current rating	100	A	RCD Type
			Fuse / device rating or setting		A	Rated residual operating current ($I_{\Delta n}$)
			Voltage rating	230/415	V	Rated time delay
BS (EN)	60947-3	No. of poles	2			Measured operating time

SCHEDULE OF INSPECTIONS

Item no	Description	Outcome ✓ / NA
1.0	Condition of consumer's intake equipment (Visual inspection only)	✓
2.0	Parallel or switched alternative sources of supply	N/A
3.0	Protective measure: Automatic Disconnection of Supply (ADS)	✓
4.0	Basic protection	✓
5.0	Protective measures other than ADS	N/A
6.0	Additional protection	N/A
7.0	Distribution equipment	✓
8.0	Circuits (Distribution and Final)	✓
9.0	Isolation and switching	✓
10.0	Current-using equipment (permanently connected)	✓
11.0	Identification and notices	✓
12.0	Location(s) containing a bath or shower	✓
13.0	Other special installations or locations	N/A
14.0	Prosumer's low voltage electrical installation(s)	N/A

COMMENTS ON EXISTING INSTALLATION

(in the case of an addition or alteration see Regulation 644.1.2)

SCHEDULES

This Certificate is valid only when **1** Schedules of Circuit Details and Test Results are attached. *(Enter quantities of Schedules attached.)*

GENERIC SCHEDULE OF CIRCUIT DETAILS

Distribution board details

DB reference: D4-07/3181

Location: Utility Cupboard

Supplied from: DB-D4A/3

Distribution circuit OCPD: BS (EN): 88

Type: 3Rating/Setting: 60

SPD Details: Type(s)*: T1☐T2☒T3☐N/A☐

A

CIRCUIT DETAILS															
Circuit number	Circuit description	Conductor details					Overcurrent protective device					RCD			
		Type of wiring	Reference method†	Number of points served	Number & size		BS (EN)	Type	Rating (A)	Breaking capacity (kA)	Maximum permitted Z _s (Ωs)	BS (EN)	Type	I _{Δn} (mA)	Rating (A)
Live (mm²)	qpc (mm²)														
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	Surge Arrestor	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	100A Main Switch	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1	Hob	A	C	1	6.0	2.5	61009-1	B	32	0.4	1.37	61009-1	B	-	32
2	Kitchen Appliances	A	C	5	2.5	1.5	62606	B	32	0.4	1.37	61009-1	B	-	32
3	Lounge, Dinning Room, Kitchen, Hallway sockets	A	C	9	2.5	1.5	62606	B	32	0.4	1.37	61009-1	B	-	32
4	Utility Cupboards Small Power Bedroom Sockets & Towel Rail	A	C	10	2.5	1.5	62606	B	32	0.4	1.37	61009-1	B	-	32
5	Oven	A	C	1	2.5	1.5	61009-1	B	20	0.4	2.19	61009-1	B	-	20
6	Lounge, Dinning Room, Kitchen, Hallway Lights	A	C	13	1.5	1.0	61009-1	C	10	0.4	2.19	61009-1	C	-	10
7	Bedroom & Bathrooms Lights, Vanity Units & Shaver Socket	A	C	12	1.5	1.0	61009-1	C	10	0.4	2.19	61009-1	C	-	10
8	Fire Detection	A	C	4	1.5	1.0	60898-1	B	10	0.4	4.37	60898-1	B	-	10
9	Spare	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	Spare	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	Spare	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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

* SPD Type Where a combined T1 + T2 or T2 + T3 device is installed, indicate by ticking both Type boxes. † Where a T3 SPD is installed to protect sensitive equipment, enter details in 'Remarks', column 31, of the Schedule of Test Results. (See Section 534 of BS 7671:2018+A2:2022.) ‡ See Table 4A2 of Appendix 4 of BS 7671:2018+A2:2022. § Where the maximum permitted earth fault loop impedance value stated in column 12 is taken from a source other than the tabulated values given in Chapter 41 of BS 7671:2018+A2:2022, state the source of the data in the appropriate cell for the circuit in the 'Remarks', column 31, of the Schedule of Test Results.

Notes for the person producing the Certificate:

1. The Electrical Installation Certificate is to be used only for:

- the initial certification of a new installation or for an addition or alteration to an existing installation where new circuits have been introduced, or
- the replacement of a consumer unit/distribution board, or
- certifying for where there are multiple additions, or alterations or remedial works to the existing installation which do not extend to new circuits as an alternative to the issue of multiple Minor Electrical Installation Works Certificates.

It is not to be used for periodic inspection and testing, for which an Electrical Installation Condition Report should be used. For an addition or alteration which does not extend to the introduction of new circuits, a Minor Electrical Installation Works Certificate may be used.

The 'original' Certificate is to be issued to the person ordering the work (Regulation 644.4). A duplicate should be retained by the person issuing the certificate.

2. This Certificate is only valid if the Schedule of Inspections has been completed to confirm that all relevant inspections have been carried out and where accompanied by the Schedule(s) of Circuit Details and Test Results.

3. The signatures appended are those of the persons authorised by the companies executing the work of design, construction, inspection and testing respectively. A signatory authorised to certify more than one category of work should sign in each of the appropriate places. (Where a single signature electrical installation certificate is used, the person authorised for executing the work of design, construction, inspection and testing shall sign the certificate.)

4. The time interval recommended before the first periodic inspection must be inserted.

The proposed date for the next inspection should take into consideration the frequency and quality of maintenance that the installation can reasonably be expected to receive during its intended life, and the period should be agreed between the designer, installer and other relevant parties.

5. The page numbers for the Schedule(s) of Circuit Details and Test Results should be indicated, together with the total number of pages associated with the certification provided.

6. The maximum prospective value of fault current (I_{pf}) recorded should be greater of either the prospective value of short-circuit current or the prospective value of earth fault current.

GUIDANCE FOR RECIPIENTS (to be appended to the Certificate)

This safety Certificate has been issued to confirm that the electrical installation work to which it relates has been designed, constructed, inspected and tested in accordance with BS 7671.

You should have received an 'original' Certificate and the person that issued the Certificate should have retained a duplicate. If you were the person ordering the work, but not the owner of the installation, you should pass this Certificate, or a full copy of it including the schedules, immediately to the owner.

The 'original' Certificate should be retained in a safe place and be shown to any person inspecting or undertaking further work on the electrical installation in the future. If you later vacate the property, this Certificate will demonstrate to the new owner that the electrical installation complied with the requirements of BS 7671 at the time the Certificate was issued. The Construction (Design and Management) Regulations require that, for a project covered by those Regulations, a copy of this Certificate, together with Schedules, is included in the project Health and Safety documentation.

For safety reasons, the electrical installation will need to be inspected at appropriate intervals by a skilled person or persons, competent in such work. The maximum time interval recommended before the next inspection is stated on Page 1 under 'NEXT INSPECTION'.

This Certificate is intended to be issued only for a new electrical installation or for new work associated with an addition or alteration to an existing installation. It should not have been issued for the inspection and testing of an existing electrical installation. An 'Electrical Installation Condition Report' should be issued for such an inspection.

This Certificate is only valid if the Schedule of Inspections has been completed to confirm that all relevant inspections have been carried out and where accompanied by Schedule(s) of Circuit Details and Test Results.

Where the installation includes a residual current device (RCD) it should be tested six-monthly by pressing the button marked 'T' or 'Test'. The device should switch off the supply and should then be switched on to restore the supply. If the device does not switch off the supply when the button is pressed, seek expert advice. **For safety reasons it is important that this instruction is followed.**

Where the installation includes an arc fault detection device (AFDD) having a manual test facility it should be tested six-monthly by pressing the test button. Where a AFDD has both a test button and automatic test function, manufacturer's instructions shall be followed with respect to test button operation.

Where the installation includes a surge protective device (SPD) the status indicator should be checked to confirm it is in operational condition in accordance with manufacturer's information. If the indication shows that the device is not operational, seek expert advice. **For safety reasons it is important that this instruction is followed.**

Where the installation includes alternative or additional sources of supply, warning notices should be found at the origin or meter position or, if remote from the origin, at the consumer unit or distribution board and at all points of isolation of all sources of supply.