GC ELECTRICAL
COMMERCIAL & DOMESTIC INSTALL & TESTING

ELECTRICAL INSTALLATION CERTIFICATE

Requirements For Electrical Installations - BS 7671

Certificate Number: GC08

1 DETAILS OF THE CLIENT

Client Address: THE PARISH OF EAST AND WEST TILBURY AND LINFORD

PARISH CHURCH OF ST CATHERINE, PRINCESS MARGARET ROAD, EAST TILBURY, RM18 8PB

2 DETAILS OF THE INSTALLATION

Installation Address: PARISH CHURCH OF ST CATHERINE, PRINCESS MARGARET ROAD, EAST TILBURY, RM18 8PB

Extent of the installation covered by this certificate: DB1 REPLACED FOR MORE UP TO DATE DB WITH 30mA RCD ON ALL CIRCUITS (EXCLUDING DISTRIBUTION CIRCUITS) AND A 100mA RCD MAIN SWITCH DUE TO THE Ze BEING TOO HIGH AT TIME OF EICR.

The installation is: New installation N/A | Addition to an existing installation N/A | Alteration to an existing installation ✔

3 DESIGN

I/We being the person(s) responsible for the design of the electrical installation (as indicated by my/our signatures below), particulars of which are described above, having exercised reasonable skill and care when carrying out the design, hereby CERTIFY that the design work for which I/we have been responsible is to the best of my/our knowledge and belief in accordance with BS 7671:2018, amended to 2022 except for the departures, if any, detailed as follows.

Details of departures from BS 7671 (Regulations 120.3, 133.5): None

Details of permitted exceptions (Regulations 411.3.3): Risk assessment attached

N/A

The extent of liability of the signatory/signatories is limited to the work described above as the subject of this certificate.

For the DESIGN of the installation:

Name:	Position:	Signature:	Date:
GEORGE CATEN	Electrician		17/11/2025

Where there is divided responsibility for the design:

Name:	Position:	Signature:	Date:
N/A	N/A	N/A	N/A

4 CONSTRUCTION

I/We being the person(s) responsible for the construction of the electrical installation (as indicated by my/our signatures below), particulars of which are described above, having exercised reasonable skill and care when carrying out the construction, hereby CERTIFY that the construction work for which I/we have been responsible is to the best of my/our knowledge and belief in accordance with BS 7671:2018, amended to 2022 except for the departures, if any, detailed as follows.

Details of departures from BS 7671 (Regulations 120.3, 133.5): None

The extent of liability of the signatory/signatories is limited to the work described above as the subject of this certificate.

For the CONSTRUCTION of the installation:

Name:	Position:	Signature:	Date:
GEORGE CATEN	Electrician		17/11/2025

5 INSPECTION AND TESTING

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 above, having exercised reasonable skill and care when carrying out the inspection and testing, hereby CERTIFY that the inspection and testing work for which I/we have been responsible is to the best of my/our knowledge and belief in accordance with BS 7671:2018, amended to 2022 except for the departures, if any, detailed as follows.

Details of departures from BS 7671 (Regulations 120.3, 133.5): None

The extent of liability of the signatory/signatories is limited to the work described above as the subject of this certificate.

For the INSPECTION AND TESTING of the installation:

Name:	Position:	Signature:	Date:
GEORGE CATEN	Electrician		17/11/2025

6 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 below), particulars of which are described above, having exercised reasonable skill and care when carrying out the design, construction, inspection and testing, hereby CERTIFY that the design work for which I/we have been responsible is to the best of my/our knowledge and belief in accordance with BS 7671:2018, amended to 2022 except for the departures, if any, detailed as follows.

Details of departures from BS 7671 (Regulations 120.3, 133.5): None

The extent of liability of the signatory/signatories 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:

Name:	Position:	Signature:	Date:
GEORGE CATEN	Electrician		17/11/2025

7 NEXT INSPECTION

I/We the designer(s), RECOMMEND that this installation is further inspected and tested after an interval of not more than: 5 Years or change of tenant/owner

8 DETAILS OF THE ELECTRICAL CONTRACTOR

Design (1) — Trading Title: GEORGE CATEN ELECTRICAL

Address: 4 CHELSWORTH CLOSE, SOUTHEND-ON-SEA
Postcode: SS13EG

Registration Number (if applicable): 68942
Telephone Number: 07837844991

Design (2) — Trading Title: Same as Above

Address:
Postcode:

Registration Number (if applicable):
Telephone Number:

Construction — Trading Title: Same as Above

Address:
Postcode:

Registration Number (if applicable):
Telephone Number:

Inspection and Testing — Trading Title: Same as Above

Address:
Postcode:

Registration Number (if applicable):
Telephone Number:

9 SUPPLY CHARACTERISTICS AND EARTHING ARRANGEMENTS

Earthing Arrangements

TN-S:	N/A
TN-C-S:	N/A
TNC:	N/A
TT:	N/A
IT:	N/A

Number and Type of Live Conductors

AC:	✔	1-phase (2-wire):	N/A	2-phase (3-wire):	N/A
		3-phase (3-wire):	✔	3-phase (4-wire):	N/A
DC:	N/A	2-wire:	N/A	3-wire:	N/A
Other:	N/A				
Confirmation of supply polarity:	✔				

Nature of Supply Parameters

Nominal voltage, U/Uo:	230/400 V
Nominal frequency, f:	50 Hz
Prospective fault current, Ipf:	1.3 kA
External earth fault loop impedance, Ze:	0.41 Ω
Number of supplies:	1

Supply Protective Device

BS (EN):	88-2
Type:	gG
Rated current:	100 A

10 PARTICULARS OF INSTALLATION REFERRED TO IN THE CERTIFICATE

Means of Earthing

Distributor's facility:	N/A
Installation earth electrode:	✔

Details of Installation Earth Electrode (where applicable)

Type: Earth Rod
Location: YARD
Resistance to Earth: 103 Ω
Method of measurement: E3 (Earth Loop Tester)

Maximum Demand (Load): 80 Amps

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

Location: DB1
BS (EN): 61008 RCD
Number of poles: 4
Current rating: 100 A
Fuse/device rating or setting: 100 A
Voltage rating: 400 V

If RCD main switch:

RCD Type: A
Rated residual operating current ($I_{\Delta n}$): 100 mA
Rated time delay: <500 ms
Measured operating time: 314 ms

Earthing and Protective Bonding Conductors

Earthing conductor
Conductor material: Copper
csa: 16 mm²
Connection/ continuity verified: ✔

Main protective bonding conductors
Conductor material: Copper
csa: 10 mm²
Connection/ continuity verified: ✔

Bonding of extraneous-conductive parts

To water installation pipes:	✔	To gas installation pipes:	✔
To oil installation pipes:	N/A	To lightning protection:	N/A
To structural steel:	N/A	To other service(s):	N/A

11 COMMENTS ON EXISTING INSTALLATION

INSTALLATION IN FAIR CONDITION REWIRED IN MICC WITHIN THE LAST 10 YEARS.

12 SCHEDULE OF INSPECTIONS

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

All boxes must be completed. 'Pass' indicates that an inspection or test was carried out and that the result was satisfactory. 'Fail' indicates than an inspection or test was carried out and the result is not satisfactory. 'N/A' indicates that an inspection or test was not applicable to the particular installation. 'LIM' indicates that, exceptionally, a limitation agreed with the person ordering the work prevented the inspection or test being carried out.

DISTRIBUTION BOARD DETAILS

DB reference: DB 1 | Location: VESTRY CUPBOARD (FUSEBOX) | Supplied from: Origin

Distribution circuit OCPD: BS (EN): N/A | Type: N/A | Rating/Setting: N/A A | No of phases: 3

SPD Details: Types: T1 N/A | T2 ✔ | T3 N/A | N/A N/A | Status indicator checked (where functionality indicator present) ✔

Confirmation of supply polarity ✔ | Confirmation of phase sequence ✔ | Zs at DB: 0.38 Ω | Ipf at DB: 1.3 kA

SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS

CIRCUIT DETAILS																TEST RESULT DETAILS												
		Conductor details						Overcurrent protective device					RCD				Continuity (Ω)					Insulation resistance				Zs	RCD		AFDD
					Number and size												Ring final circuit			R_1+R_2 or R_2								
Circuit number	Circuit description	Type of wiring	Reference method	Number of points served	Live (mm²)	cpc (mm²)	Max disconnect time permitted by BS7671 (s)	BS (EN)	Type	Rating (A)	Breaking capacity (kA)	Maximum permitted Zs (Ω)	BS (EN)	Type	Rated operating current (mA)	Rating (A)	r_1 (line)	r_n (neutral)	r_2 (cpc)	R_1+R_2	R_2	Test voltage (V)	Live - Live (MΩ)	Live - Earth (MΩ)	Polarity (tick)	Maximum measured (Ω)	Disconnection time (ms)	Test button operation (tick)	Manual test button operation (tick)
1 L1	SPARE	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1 L2	DB2 EXTENSION	F	C	1	16	16	5	60898	B	63	10	0.69	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.09	N/A	250	> 200	> 200	✔	0.41	N/A	N/A	N/A
1 L3	UNKNOWN	H	C	LIM	2.5	MICC	0.4	61009	B	20	10	2.19	61009	A	30	20	N/A	N/A	N/A	N/V	N/A	250	N/V	N/V	N/V	N/V	31.9	✔	N/A
2 L1	MAIN LIGHTS	H	C	9	2.5	MICC	0.4	61009	B	6	10	7.28	61009	A	30	6	N/A	N/A	N/A	N/V	N/A	250	N/V	N/V	N/V	N/V	38.4	✔	N/A
2 L2	MAIN LIGHTS	H	C	4	2.5	MICC	0.4	61009	B	6	10	7.28	61009	A	30	6	N/A	N/A	N/A	N/V	N/A	250	N/V	N/V	N/V	N/V	29.2	✔	N/A
2 L3	LIGHTS THIS ROOM + ABOVE	H	C	5	1.5	MICC	0.4	61009	C	10	10	2.19	61009	A	30	10	N/A	N/A	N/A	0.20	N/A	250	> 200	> 200	✔	0.52	43.2	✔	N/A
3 L1	SPARE	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
3 L2	SPARE	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
3 L3	UNKNOWN	H	C	LIM	2.5	MICC	0.4	61009	B	25	10	1.75	61009	A	30	25	N/A	N/A	N/A	N/V	N/A	250	N/V	N/V	N/V	N/V	38.3	✔	N/A
4 L1	SKTS THIS ROOM	H	C	3	2.5	MICC	0.4	61009	B	25	10	1.75	61009	A	30	25	N/A	N/A	N/A	0.16	N/A	250	> 200	> 200	✔	0.48	34.3	✔	N/A

CODES FOR TYPE OF WIRING	A	B	C	D	E	F	G	H	O - Other
	Thermoplastic insulated/sheathed cables	Thermoplastic cables in metallic conduit	Thermoplastic cables in nonmetallic conduit	Thermoplastic cables in metallic trunking	Thermoplastic cables in nonmetallic trunking	Thermoplastic /SWA cables	Thermosetting /SWA cables	Mineral insulated cables	HIGHTUFF

DETAILS OF TEST INSTRUMENTS

Details of test instruments used (serial and/or asset numbers):

Multi-functional: 101504603 | Insulation resistance: N/A | Continuity: N/A

Earth electrode resistance: N/A | Earth fault loop impedance: N/A | RCD: N/A

TESTED BY

Name: GEORGE CATEN | Position: Electrician | Signature:  | Date: 17/11/2025

SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS

DB reference: DB 1 | Location: VESTRY CUPBOARD (FUSEBOX) | Supplied from: Origin

CIRCUIT DETAILS																	TEST RESULT DETAILS																	
		Conductor details						Overcurrent protective device					RCD				Continuity (Ω)					Insulation resistance				Z_s	RCD		AFDD
					Number and size												Ring final circuit			R_1+R_2 or R_2													
Circuit number	Circuit description	Type of wiring	Reference method	Number of points served	Live (mm²)	cpc (mm²)	Max disconnect time permitted by BS7671 (s)	BS (EN)	Type	Rating (A)	Breaking capacity (kA)	Maximum permitted Zs (Ω)	BS (EN)	Type	Rated operating current (mA)	Rating (A)	r_1 (line)	r_n (neutral)	r_2 (cpc)	R_1+R_2	R_2	Test voltage (V)	Live - Live (MΩ)	Live - Earth (MΩ)	Polarity (tick)	Maximum measured (Ω)	Disconnection time (ms)	Test button operation (tick)	Manual test button operation (tick)
4 L2	SPARE	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
4 L3	SPARE	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
5 L1	ROOF FANS	H	C	2	2.5	MICC	0.4	61009	B	20	10	2.19	61009	A	30	20	N/A	N/A	N/A	N/V	N/A	250	N/V	N/V	N/V	N/V	42.3	✔	N/A
5 L2	HIGH LEVEL FUSED SPUR	H	C	1	2.5	MICC	0.4	61009	B	25	10	1.75	61009	A	30	25	N/A	N/A	N/A	N/V	N/A	250	N/V	N/V	N/V	N/V	36.5	✔	N/A
5 L3	RING HALL	O	LIM	5	2.5	2.5	0.4	61009	B	32	10	1.37	61009	A	30	32	0.93	0.93	0.93	0.47	N/A	250	> 200	> 200	✔	0.79	24.3	✔	N/A
6 L1	SPARE	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
6 L2	HIGH LEVEL SPUR	H	C	1	2.5	MICC	0.4	61009	B	20	10	2.19	61009	A	30	20	N/A	N/A	N/A	N/V	N/A	250	N/V	N/V	N/V	N/V	27.8	✔	N/A
6 L3	RING HEATERS	O	LIM	9	2.5	2.5	0.4	61009	B	32	10	1.37	61009	A	30	32	N/A	N/A	N/A	0.52	N/A	250	> 200	> 200	✔	0.76	35.2	✔	N/A
7 L1	SPARE	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
7 L2	DADO SKT & DOOR HEATER	H/D	C	5	2.5	MICC/2.5	0.4	61009	B	20	10	2.19	61009	A	30	20	N/A	N/A	N/A	0.41	N/A	250	> 200	> 200	✔	0.74	40.2	✔	N/A
7 L3	HIGH LEVEL SPUR AND SOCKET	O	C	2	2.5	MICC	0.4	61009	B	25	10	1.75	61009	A	30	25	N/A	N/A	N/A	0.68	N/A	250	> 200	> 200	✔	0.98	28.3	✔	N/A
8 TP	SPD SUPPLY	N/A	N/A	1	6	6	0.4	60898	B	32	10	1.37	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.00	N/A	250	> 200	> 200	✔	0.38	N/A	N/A	N/A

CODES FOR TYPE OF WIRING	A	B	C	D	E	F	G	H	O - Other
	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	HIGHTUFF

ELECTRICAL INSTALLATION CERTIFICATE
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 and 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 alteration or addition to an existing installation. It should not have been issued for a periodic inspection of an existing electrical installation. An 'Electrical Installation Condition Report' should be issued for such an inspection.

This certificate is only valid if accompanied by the Schedule(s) of Inspections and the Schedule(s) of 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 an 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.