This certificate is not valid if the serial number has been defaced or altered **DCP3/ 20070705**

This safety certificate is an important and valuable document which should be retained for future reference

ELECTRICAL INSTALLATION CERTIFICATE

Issued in accordance with British Standard 7671 - Requirements for Electrical Installationsby a Domestic Installer enrolled with NICEIC, Warwick House, Houghton Hall Park, Houghton Regis, Dunstable LU5 5ZX

Original (To the person ordering the work)

DETAILS OF THE CLIENT

Client and address: **FAO : Mrs H. Hodgins**
88 Dingwall Drive
Greasby
Wirral

Mrs Hodgir **677 2024**
Mrs Burke **722 7078**

Postcode **CH49 1SQ**

ADDRESS OF THE INSTALLATION

Installation address: **Deutsche Kirche**
Bedford Street
Liverpool

Postcode

DETAILS OF THE INSTALLATION

Extent of the installation work covered by this certificate: **Rewire of Church**

The installation is

New	✓
An addition	-
An alteration	-

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 signature adjacent), particulars of which are described above, having excerised reasonable skill and care when carrying out the design, construction, inspecting and testing, hereby CERTIFY that the said work for which I / We have been responsible is, to the best of my / our knowledge and belief, in accordance with BS7671, **2001** ammended to **2004** except for the departures, if any, detailed as follows :

Details of departures from BS7671, as amended (Regulations 120-01-03, 120-02)

None

The extent of liability of the signatory 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.

Signature | Name (CAPITALS) | Date **Date**

The results of the inspection and testing reviewed by the **Qualified Supervisor**

Signature | Name (CAPITALS) | Date **Date**

PARTICULARS OF THE ELECTRICAL CONTRACTOR

Trading Title: **Allerton-EPS**

Address: **184 Mather Avenue**
Allerton
Liverpool

Tel **0151 729 0095**
Mobile **07944 296135**
Postcode **L18 7HD**

NIC Enrolment No (essential information) **1 0 5 6 7 5**

NEXT INSPECTION

$ - Enter interval in terms of years, months or weeks, as appropriate

I RECOMMEND that this installation is further inspected and tested after an interval of not more than **5 years**

COMMENTS ON EXISTING INSTALLATION

Note: Enter 'None' or where appropriate, the page number(s) of additional page(s) of comments on the existing installation

Current usage has the Petrol Lawnmower stored in the switch room - this isn't ideal - but there is little place to put it elsewhere.

SCHEDULE OF ADDITIONAL RECORDS

See attached schedule

* Where the electrical work to which this certificate relates includes the installation of a fire alarm system and / or an emergency lighting system (or a part of such systems) this electrical safety certificate should be accompanied by the particulat certificate(s) for the system(s)

This form is based on the model Electrical Installation Certificate shown in Appendix 6 of BS7671 (as amended).
As published by NICEIC Group Limited

Please see the 'Notes for Recipients'

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NOTES FOR RECIPIENT

THIS SAFETY CERTIFICATE IS AN IMPORTANT AND VALUABLE DOCUMENT WHICH SHOULD BE RETAINED FOR FUTURE REFERENCE

IF YOU WERE THE PERSON ORDERING THE WORK, BUT NOT THE OWNER OR USER OR THE INSTALLATION, YOU SHOULD PASS THIS CERTIFICATE, OR A FULL COPY OF IT INCLUDING THESE NOTES, IMMEDIATELY TO THE OWNER OR USER OF THE INSTALLATION.

This safety certificate has been issued to confirm that the electrical installation work to which it relates has been designed, constructed, inspected, tested and verified in accordance with the national standard for the safety of electrical installations, British Standard 7671 (as amended) - *Requirements for Electrical Installations* (the IEE Wiring Regulations).

Where, as will often be the case, the installation incorporates a residual current device (RCD), there should be a notice at or near the consumer unit stating that the device should be tested at quarterly intervals. For safety reasons, it is important that you carry out the test regularly.

Also for safety reasons, the complete electrical installation will need to be inspected and tested at appropriate intervals by a competent person. The NICEIC* recommends that you engage the services of an Approved Contractor for this purpose.
The maximum interval recommended before the next inspection is stated on Page 1 under Next Inspection. There should also be a notice at or near the consumer unit indicating when the inspection of the installation is next due.

Only the NICEIC Approved Contractor or Conforming Body responsible for the construction of the electrical installation is authorised to issue this NICEIC certificate.

The Electrical Installation Certificate consists of at least three pages. The certificate is invalid if the second or third pages (containing schedules) are missing. The certificate has a printed seven-digit serial number which is traceable to the Approved Contractor to which it was supplied.

This certificate is intended to be issued only for the initial certification of a new electrical installation, or for new work associated with an alteration or addition to an existing electrical installation, in a single dwelling (house or individual flat). For new electrical installation work in other than a single dwelling, a full Electrical Installation Certificate should have been issued.

This certificate should not have been issued for reporting on the condition of an existing electrical installation. A Periodic Inspection Report or an Electrical Installation Periodic Inspection Report should be issued for such an inspection.

You should have received the certificate marked 'Original' and the Approved Contractor should have retained the certificate marked 'Duplicate'.

The 'Original' certificate should be kept in a safe place and shown to any person inspecting or undertaking work on the electrical installation in the future. If you later vacate the property, this certificate will demonstrate to the new owner or user that the electrical installation work complied with the requirements of the national electrical safety standard at the time the certificate was issued.

Page 1 of this certificate provides details of the electrical installation, together with the names and signatures of the persons certifying the installation work and reviewing the results of inspection and testing on behalf of the Approved Contractor responsible for the work, details of which are also given on that page.

Certification provides an assurance that the electrical installation work has been fully inspected and tested, and that the work has been carried out in accordance with the requirements of BS 7671 (except for any departures recorded in the appropriate part of the certificate).

All unshaded boxes should have been completed either by the insertion of the relevant details or by entering 'N/A', meaning 'Not Applicable', where appropriate.

Where the electrical work to which this certificate relates includes the provision of a mains-powered fire detection and alarm system (such as one or more smoke alarms), this electrical safety certificate must be accompanied by a separate certificate for that system in accordance with British Standard 5839: Part 6 - *Code of Practice for the design and installation of fire detection and alarm systems in dwellings.*

Should the person ordering the work (eg the client, as identified on Page 1 of this certificate) have reason to believe that any element of the electrical work for which the Approved Contractor has accepted responsibility (as indicated by the signature(s) on this certificate) does not comply with the requirements of the national electrical safety standard (BS7671), the person should in the first instance raise the specific concerns in writing to the Approved Contractor. If the concerns remain unresolved, the client may make a formal complaint to NICEIC, for which purpose a standard complaint form is available on request.

The complaints procedure offered by NICEIC is subject to certain terms and conditions, full details of which are available upon application and from the website†. NICEIC does not investigate complaints relating to the operational performance of electrical installations (such as lighting levels), or contractual or commercial issues (such as time or cost).

* "NICEIC' is a trading name of NICEIC Group Limited, a wholly owned subsidiary of the Electrical Safety Council. Under licence from The Electrical Safety Council, NICEIC acts as the electrical contracting industry's independent voluntary regulatory body of electrical installation safety matters throughout the UK, and maintains and published registers of electrical contractors that it has assessed against particular scheme requirements (including the technical standard of electrical work)

For Further information about electrical safety and how NICEIC can help you **visit www.niceic.com**

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ELECTRICAL INSTALLATION CERTIFICATE

Original (To the person ordering the work)

SUPPLY CHARACTERISTICS

Tick boxes and enter details, as appropriate

System type(s)

TN-S	✓
TN-C-S	-
TT	-

Number and type of live conductors

1-phase (2 wire)	-	1-phase (3 wire)	-
1-phase (2 wire)	-	1-phase (3 wire)	-
Other	Please state: 3 phase		

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

Nominal voltage(s)	$U^{(1)}$ 230 V	$U_0^{(1)}$	230 V
Nominal frequency	$f^{(1)}$ 50 Hz		
Prospective fault current	$I_{pf}^{(2)(3)}$ 2.24 kA		
External earth fault loop impedance	$Z_e^{(1)}$ 0.80 Ω		

Characteristics of primary supply overcurrent protection device(s)

BS(EN)	3036
Type	-
Nominal current rating	100 A
Short-circuit capacity	- kA

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	-

Measured Z_e	0.10 Ω
Maximum demand (Load)	A per phase
Number of smoke alarms	1

Main switch or circuit-breaker

BS(EN)	60947-3	Voltage rating	250 V
No of poles	4	Current rating, I_n	100 A
Supply conductors material	COPPER	RCD operating current, $I_{\Delta n}$*	- mA
Supply conductors csa	25 mm²	RCD operating time (at $I_{\Delta n}$)*	- ms

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

Earthing conductor

Conductor material	COPPER		
Conductor csa	16 mm²	Continuity check	✓ ✓

Main equipotential bonding conductors and bonding of extraneous-conductive-parts (✓

Conductor material	COPPER	Water service	✓	Oil service	-
Conductor csa	10 mm²	Structural steel	-	Gas service	-
				Other incoming service(s)	-

SCHEDULE OF ITEMS INSPECTED

Tick boxes and enter details, as appropriate

Methods of protection against electric shock

- ✓ Insulation of live parts, and barriers or enclosures
- ✓ Presence of RCD(s) for supplementary protection against direct contact and/or protection against indirect contact
- ✓ Presence of earthing conductor and circuit protective conductors
- ✓ Presence of main equipotential equipotential bonding conductors
- n/a Presence of supplementary equipotential bonding conductors
- n/a Class II fixed equipment
- n/a SELV

Preventation of mutual detrimental influence

- ✓ Proximity of non-electrical services and other influences
- n/a Segregation of Band I and Band II cicuits or Band II insulation used
- ✓ Electrical separation

Identification

- ✓ Presence of diagrams, instructions, circuit charts and similar information
- ✓ Presence of danger notices
- ✓ Presence of other warning notices, including presence of mixing wiring colours

Identification (contd)

- ✓ Labelling of protective devices switches and terminals
- ✓ Identification of conductors

Cables and conductors

- ✓ Routing of cables in prescribed zones or within mechanical protection
- ✓ Connection of conductors
- ✓ Erection methods
- ✓ Selection of conductors for current-carrying capacity and voltage drop
- ✓ Presence of fire barriers, suitable seals and protection against thermal effects

General

- ✓ Presence and correct location of appropriate devices for isolation aand switching
- ✓ Adequacy of access to switchgear and other equipment
- n/a Particular protective measures for special installations and locations
- ✓ Connection of single-pole devices for protection or switching in phase conductors only
- ✓ Correct connection of accessories and equipment
- ✓ Choice and settings of protective devices (for protection against indirect contact and/or overcurrent)
- ✓ Selection of equipment and protective measures appropriate to external influences
- ✓ Selection of appropriate functional switching devices

SCHEDULE OF ITEMS TESTED

- ✓ External earth fault loop impedance, Z_e
- ✓ Installation earth electrode resistance, R_A
- ✓ Continuity of protective conductors
- ✓ Continuity of ring final circuit conductors
- ✓ Insulation resistance between live conductors
- ✓ Insulation resistance between live conductors and earth
- ✓ Polarity
- ✓ Earth fault loop impedance, Z_e
- ✓ Operation of residual current device(s)
- ✓ Functional testing of assemblies

† ***All boxes must be completed.*** *'✓' indicates that an inspection has been carrid out and that the result was* ***satisfactory****. N/A indicates that an inspection or test was* ***not applicable*** *to the particular installation.*

ELECTRICAL INSTALLATION CERTIFICATE

ADDITIONAL RECORDS

ADDITIONAL NOTES ON EXISTING INSTALLATION

Organ Light cannot have passed a PAT test.

DETAILS OF ANY DEPARTURES

There are no departures to the 16th Edition Wiring Regulations

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ELECTRICAL INSTALLATION CERTIFICATE

CIRCUIT DETAILS

TEST RESULTS

Designation	Position	Circuit Designation (For Distribution Circuits, insert 'D') (use the word "Ring" where appropriate) - counting from Isolator	Type of Wiring (see code)	Reference Method (see Appendix 4 of BS7671)	Number of Points Served	Circuit Conductors (csa) live mm²	Circuit Conductors (csa) cpc mm²	Max Disconnection Time permitted by BS7671 s	Overcurrent Protective Device BS (EN)	Overcurrent Protective Device Type	Overcurrent Protective Device Rating Amps	Overcurrent Protective Device Capacity kA	RCD Operating Current mA	Maximum Z_s permitted by BS7671 Ω	Circuit Impedances Ring Circuits only measured end to end r_1 phase Ω	r_n neutral Ω	r_2 cpc Ω	Circuit Impedances All Circuits $R_1 + R_2$ Ω	R_2 Ω	Insulation Resistance Phase Neutral / Earth MΩ	Phase / Neutral MΩ	Phase / Earth MΩ	Neutral / Earth MΩ	Polarity	Earth Loop Impedance Z_s Ω	RCD Operation ½	RCD Operation x1 (30mA) ms	RCD Operation x5 ms	RCD Operation Push button	Maximum Demand	Remarks
			2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17		18				19	20	21			22	23	24
		Origin (meter tails)				**25**	**16**																								
1BR	1																	0.27	-	>199	>199	>199	>199	✓	0.28						
1BL	2	Supply to Back Hall Heater's Isolator	**H**	**1**	**1**	4	MET	5	BS 3871	2	30	5		1.14				0.27	-	>199	>199	>199	>199	✓	0.28						
1GR	3																	0.27	-	>199	>199	>199	>199	✓	0.28						
2BR	4	Supply to Vestry Consumer Unit	**A**	**1**	**1**	16	6	5	BS 3871	3	60	5		0.38				0.15	-	>199	>199	>199	>199	✓	0.20						
2BL	5	Reception Heater	**D/B**	**3**	**1**	4	2.5	5	BS 3871	3	15	5		1.60				0.31	-	>199	>199	>199	>199	✓	0.40						
2GR	6	Reception Lights	**D/B**	**3**	**2**	1.5	1.5	5	BS 60898	C	6	6		4.00				0.36	-	>199	>199	>199	>199	✓	0.38						
3BR	7	Fire Alarm Control Unit	**D/B**	**3**	**1**	2.5	1.5	5	BS 3871	3	15	5		1.60				0.27	-	>199	>199	>199	>199	✓	0.32						
3BL	8	Not Used							BS 3871	3	30	6		0.80																	
3GR	9	Back Hall Lights	**B/E**	**3**	**10**	1.5	1.5	5	BS 3871	3	6	5		4.00				1.56	-	>199	>199	>199	>199	✓	1.39						
4BR	10	Altar Lights & Back Lights	**B/E**	**3**	**4**	1.5	1.5	5	BS 3871	3	6	5		4.00				0.29	-	>199	>199	>199	>199	✓	0.33						
4BL	11	Heater 1 (nearest Altar)	**D/B**	**3**	**1**	4	2.5	5	BS 3871	3	15	5		1.60				0.40	-	>199	>199	>199	>199	✓	0.47						
4GR	12	Not Used							BS 3871	3	30	6		1.60																	
5BR	13	Church Lights (front and vestry)	**D/B**	**3**	**4**	1.5	1.5	5	BS 60898	B	10	6		4.80				0.50	-	>199	>199	>199	>199	✓	0.58						
5BL	14	Heater 2 (church middle)	**D/B**	**3**	**1**	2.5	1.5	5	BS 3871	3	15	5		1.60				0.44	-	>199	>199	>199	>199	✓	0.50						
5GR	15	Lights - Toilet & Kitchen	**D/B**	**3**	**5**	1.5	1.5	5	BS 60898	B	10	6		4.80				0.48	-	>199	>199	>199	>199	✓	0.51						
6BR	16	Church Lights Centre and Switch Room	**D/B**	**3**	**19**	1.5	1.5	5	BS 60898	C	6	6		2.40				0.48	-	>199	>199	>199	>199	✓	0.53						
6BL	17	Heater 3 (church furthest)	**D/B**	**3**	**1**	2.5	1.5	5	BS 3871	3	15	5		1.60				0.28	-	>199	>199	>199	>199	✓	0.37						
6GR	18	Not Used							BS 3871	3	30	6		1.60																	

Location of consumer unit(s): **In the ante-room to the left of the alter.**

Designation of consumer unit(s):

Prospective fault current at consumer unit(s): **2.24** kA

TEST INSTRUMENTS

Test instrument's (serial numbers) used

Insulation Resistance	**Beha, Unitest 0100 DT E0196XJ**	Continuity	**Beha, Unitest 0100 DT E0196XJ**	Earth electrode resistance	**Beha, Unitest 0100 DT E0196XJ**	Earth fault loop impedance	**Beha, Unitest 0100 DT E0196XJ**	RCD	**Beha, Unitest 0100 DT E0196XJ**

This form is based on the model Electrical Installation Certificate shown in Appendix 6 of BS7671 (as amended) - As laid out the Electrical Safety Council (July 2006)

* - See notes on schedule of test results

Allerton-EPS

TYPE OF WIRING								
A	**B**	**C**	**D**	**E**	**F**	**G**	**H**	**O - (Other - Please Specify)**
PVC / PVC cables	PVC cables in metallic conduit	PVC cables in non-metallic conduit	PVC cables in metallic trunking	PVC cables in non-metallic trunking	PVC / SWA cables	XLPE / SWA cables	Mineral-insulated cables	

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ELECTRICAL INSTALLATION CERTIFICATE

CIRCUIT DETAILS

TEST RESULTS

Designation	Position	Circuit Designation (For Distribution Circuits, insert 'D'; use the word "Ring" where appropriate) - counting from Isolator	Type of Wiring (see code)	Reference Method (see Appendix 4 of BS7671)	Number of Points Served	Circuit Conductors (csa) live mm²	Circuit Conductors (csa) cpc mm²	Max Disconnection Time permitted by BS7671 s	Overcurrent Protective Device BS (EN)	Overcurrent Protective Device Type	Overcurrent Protective Device Rating Amps	Overcurrent Protective Device Capacity kA	RCD Operating Current mA	Maximum Z_s permitted by BS7671 Ω	Circuit Impedances (Ring Circuits only, measured end to end) r_1 phase Ω	r_n neutral Ω	r_2 cpc Ω	Circuit Impedances (All Circuits) $R_1 + R_2$ Ω	R_2 Ω	Insulation Resistance Phase Neutral / Earth MΩ	Phase / Neutral MΩ	Phase / Earth MΩ	Neutral / Earth MΩ	Polarity	Earth Loop Impedance Z_s Ω	RCD Operation ½	RCD Operation x1 (30mA) ms	RCD Operation x5 ms	RCD Operation Push button	Maximum Demand	Remarks
			2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17		18				19	20	21			22	23	24
DB5		**RCD Dist Board**				25	16																								
	1	Socket Ring in Back Hall	**B**	**3**	**1**	2.5	1.5	0.4	BS EN 60898	B	32	6		1.50	0.65	0.64	0.63	0.38	-	>199	>199	>199	>199	✓	0.67						Little White Consumer Board to the right of the DB1 (main board).
	2	Kitchen Sockets DB4	**B**	**3**	**1**	4	2.5	0.4	BS EN 60898	B	32	6	30	1.50				0.16	-	>199	>199	>199	>199	✓	0.54	✓	8	6	✓		
	3	Cooker	**B**	**3**	**1**	4	1.5	5	BS EN 60898	B	32	6		1.50				0.13	-	69	>199	106	127	✓	0.48						
	4	Sockets	**B**	**3**	**1**	2.5	1.5	0.4	BS EN 60898	B	16	6		3.00				0.85	-	>199	>199	>199	>199	✓	0.38						
DB2		**VESTRY Dist Board**				16	6																								
	1	Socket Ring	**BH**	**3**	**3**	2.5	2.5	0.4	BS 1361		30			1.20	0.28	0.24	0.07	0.08	-	6.85	21.6	22.2	7.84	✓	0.31	✓	23	19	✓		RCD values apply to the RCD Socket under alarm panel
	2	Nearest Heater	**B**	**3**	**1**	2.5	2.5	5	BS 1361		15			5.22				0.73	-		>199	>199		✓	0.32					3	
	3	Middle Heater	**B**	**3**	**1**	2.5	2.5	5	BS 1361		15			5.22				0.84	-	8.98	>199	>199	8.07	✓	0.40					3	
	4	Furthest Heater	**B**	**3**	**1**	2.5	2.5	5	BS 1361		15			5.22				1.80	-		>199	>199		✓	0.42					3	
DB3		**BACK HALL Dist Board**				4	MET																								
BR	1	Left 6KW Heater	**C**	**3**	**1**	4	2.5	5	BS 1361		30			1.92				0.07	-	-	>199	162	43	✓	0.29					3	
BL	2	3KW Heaters	**C**	**3**	**2**	4	2.5	5	BS 1361		30			1.92				0.15	-	-	142	160	43	✓	0.25					6	
GR	3	Right 6KW Heater	**C**	**3**	**1**	4	2.5	5	BS 1361		30			1.92				0.25	-	-	>199	62	43	✓	0.24					3	
DB4		**KITCHEN Dist Board**				4	2.5																								
	1	Kitchen Socket Ring	**B**	**3**	**4**	2.5	2.5	0.4	BS 1361		30		30	1.92	0.14	0.13	0.24	0.09	-	>199	>199	>199	>199		0.54	✓	8	6	✓		

TEST INSTRUMENTS

Test instrument's (serial numbers) used

Insulation Resistance	**Beha, Unitest 0100 DT E0196XJ**	Continuity	**Beha, Unitest 0100 DT E0196XJ**	Earth electrode resistance	**Beha, Unitest 0100 DT E0196XJ**	Earth fault loop impedance	**Beha, Unitest 0100 DT E0196XJ**	RCD	**Beha, Unitest 0100 DT E0196XJ**

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* - See notes on schedule of test results

Allerton-EPS

TYPE OF WIRING								
A	**B**	**C**	**D**	**E**	**F**	**G**	**H**	**O - (Other - Please Specify)**
PVC / PVC cables	PVC cables in metallic conduit	PVC cables in non-metallic conduit	PVC cables in metallic trunking	PVC cables in non-metallic trunking	PVC / SWA cables	XLPE / SWA cables	Mineral-insulated cables	