

CERTIFICATE NUMBER:

1053

ELECTRICAL INSTALLATION CERTIFICATE

Issued in accordance with *British Standard 7671 - Requirements for Electrical Installations*

DETAILS OF THE CLIENT

Client / Address: **CPUK LTD, WEST LANCISHIRE INVESTMENT CENTRE WHITE MOSS PARK SKELMERSDALE WN89TG**

DETAILS OF THE INSTALLATION

The installation is:

Address: **Landlords Area Boundary Lodge Boundry Lane Manchester M156NU**New Extent of the installation covered by this certificate: **New instalation to communal area**An addition
An alteration

DESIGN

I/We, being the person(s) responsible for the design of the electrical installation (as indicated by my/our signature(s) 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 amended to (date) except for the departures, if any, detailed as follows:

Details of departures from BS 7671, as amended (Regulations 120.3, 120.4):

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: **** (Where there is divided responsibility for the design)**

Signature	Date	Name (CAPITALS)	Designer 1
Signature	Date	Name (CAPITALS)	** Designer 2

CONSTRUCTION

I/We, being the person(s) responsible for the construction of the electrical installation (as indicated by my/our signature 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 amended to (date) except for the the departures, if any, detailed as follows:

Details of departures from BS 7671, as amended (Regulations 120.3, 120.4):

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

For the **CONSTRUCTION** of the installation:

Signature	Date	Name (CAPITALS)	Constructor
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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 work for which I/we have been responsible is to the best of my/our knowledge and belief in accordance with BS 7671, amended to (date) except for the departures, if any, detailed as follows:

Details of departures from BS 7671, as amended (Regulations 120.3, 120.4):

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:

Signature	Date	Inspector	Signature	Date	Reviewed by
Name (CAPITALS)			Name (CAPITALS)		Qualified Supervisor †

DESIGN, CONSTRUCTION, INSPECTION AND TESTING *

* This box to be completed only where the design, construction, inspection and testing have been the responsibility of one person.

I, being the person responsible for the design, construction, inspection and testing of the electrical installation (as indicated by my signature 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 said work for which I have been responsible is to the best of my knowledge and belief in accordance with BS 7671, amended to **January 2008** (date) except for the departures, if any, detailed as follows:

Details of departures from BS 7671, as amended (Regulations 120.3, 120.4): **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	Date	Signature	Date	Reviewed by
Name (CAPITALS)		Name (CAPITALS)		Qualified Supervisor ††

† Where the inspection and testing have been carried out by an Approved Contractor, the inspection and testing results are to be reviewed by the registered Qualified Supervisor.

†† Where the design, the construction, and the inspection and testing have been the responsibility of one person, the inspection and testing results are to be reviewed by the registered Qualified Supervisor.

PARTICULARS OF THE ORGANISATION(S) RESPONSIBLE FOR THE ELECTRICAL INSTALLATION

DESIGN (1)	Organisation † AGH ELECTRICAL	Address: 8-12 STAMFORD ST PENDLEBURY MANCHESTER	Postcode M276GU	Registration Number <i>(The registration number is essential information)</i> - - 0 3 3 0
DESIGN (2)	Organisation † AGH ELECTRICAL	Address: 8-12 STAMFORD ST PENDLEBURY MANCHESTER	Postcode M276GU	Registration Number <i>(The registration number is essential information)</i> - - 0 3 3 0
CONSTRUCTION	Organisation † AGH ELECTRICAL	Address: 8-12 STAMFORD ST PENDLEBURY MANCHESTER	Postcode M276GU	Registration Number <i>(The registration number is essential information)</i> - - 0 3 3 0
INSPECTION AND TESTING	Organisation † AGH ELECTRICAL	Address: 8-12 STAMFORD ST PENDLEBURY MANCHESTER	Postcode M276GU	Registration Number <i>(The registration number is essential information)</i> - - 0 3 3 0

SUPPLY CHARACTERISTICS AND EARTHING ARRANGEMENTS

Tick boxes and enter details, as appropriate

System Type(s)	Number and Type of Live Conductors				Nature of Supply Parameters				Characteristics of Primary Supply Overcurrent Protective Device(s)	
TNS <input type="checkbox"/> N/A	a.c. <input checked="" type="checkbox"/>	d.c. <input type="checkbox"/> N/A	Nominal voltage(s), U ⁽¹⁾ 400 V	U _o ⁽¹⁾ 230 V	Notes: (1) by enquiry (2) by enquiry or by measurement (3) where more than one supply, record the higher or highest values	BS(EN) BS 1361	Type HRC	Rated current 100 A	Short-circuit capacity 10 kA	
TN-C-S <input checked="" type="checkbox"/>	1-phase (2 wire) <input type="checkbox"/> N/A	1-phase (3 wire) <input type="checkbox"/> N/A	2 pole <input type="checkbox"/> N/A	Nominal frequency, f ⁽¹⁾ 50 Hz						
TN-C <input type="checkbox"/> N/A	2-phase (3 wire) <input type="checkbox"/> N/A	3-pole <input type="checkbox"/> N/A	Prospective fault current, I _{pf} ⁽²⁾⁽³⁾ 1.9 kA							
TT <input type="checkbox"/> N/A	3-phase (3 wire) <input type="checkbox"/> N/A	3-phase (4 wire) <input checked="" type="checkbox"/>	External earth fault loop impedance, Z _e ⁽²⁾⁽³⁾ 0.06 Ω							
IT <input type="checkbox"/> N/A	Other <input type="checkbox"/>	Please state	Number of supplies 1							

PARTICULARS OF INSTALLATION AT THE ORIGIN

Tick boxes and enter details, as appropriate

Means of Earthing Distributor's facility: <input checked="" type="checkbox"/> Type: (eg rod(s), tape etc) NONE Location: _____ Installation earth electrode: <input type="checkbox"/> N/A Electrode resistance, R _A : _____ (Ω) Method of measurement: _____		Details of Installation Earth Electrode (where applicable) Maximum Demand (Load): 100 kVA / Amps *Delete as appropriate Protective measures against electric shock: _____			
Main Switch or Circuit-Breaker * (applicable only where an RCD is suitable and is used as a main circuit-breaker) Type: BS(EN) BS 5419 Voltage rating 400 V No of Poles 3 Rated current, I _n 20 A Supply conductors: material Copper RCD operating current, I _{Δn} * N/A mA Supply conductors: csa 25 mm ² RCD operating time (at I _{Δn})* N/A ms		Earthing and Protective Bonding Conductors Earthing conductor Conductor material Copper Conductor csa 16 mm ² Continuity check <input checked="" type="checkbox"/> (✓)			
Main protective bonding conductors Conductor material Copper Conductor csa 10 mm ² Continuity check <input checked="" type="checkbox"/> (✓)				Bonding of extraneous-conductive-parts (✓) Water service N/A Gas service N/A Oil service N/A Structural steel N/A Lightning protection N/A Other incoming service(s) N/A	

COMMENTS ON EXISTING INSTALLATION

In the case of an alteration or additions see Section 633

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

NEXT INSPECTION

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

§

5 years

I/We, the designer(s), RECOMMEND that this installation is further inspected and tested after an interval of not more than

† Where the Approved Contractor responsible for the construction of the electrical installation has also been responsible for the design and the inspection and testing of that installation, the 'Particulars of the Organisation responsible for the Electrical Installation' may be recorded only in the section entitled 'CONSTRUCTION'.

‡ Where a number of sources are available to supply the installation, and where the data given for the primary source may differ from other sources, a separate sheet must be provided which identifies the relevant information relating to each additional source.

SCHEDULE OF ITEMS INSPECTED

† See note below

PROTECTIVE MEASURES AGAINST ELECTRIC SHOCK

Basic and fault protection

Extra low voltage

SELV PELV

Double or reinforced insulation

Double or Reinforced Insulation

Basic protection

Insulation of live parts Barriers or enclosures

Obstacles ** Placing out of reach **

Fault protection

Automatic disconnection of supply

- Presence of earthing conductor
- Presence of circuit protective conductors
- Presence of main protective bonding conductors
- Presence of earthing arrangements for combined protective and functional purposes
- Presence of adequate arrangements for alternative source(s), where applicable
- FELV
- Choice and setting of protective and monitoring devices (for fault protection and/or overcurrent protection)

Non-conducting location **

Absence of protective conductors

Earth-free equipotential bonding **

Presence of earth-free equipotential bonding

Electrical separation

- For **one** item of current using equipment
- For **more** than one item of current using equipment **

Additional protection

- Presence of residual current device(s)
- Presence of supplementary bonding conductors

** For use in controlled supervised/conditions only

Prevention of mutual detrimental influence

- Proximity of non-electrical services and other influences
- Segregation of Band I and Band II circuits or Band II insulation used
- Segregation of Safety Circuits

Identification

- Presence of diagrams, instructions, circuit charts and similar information
- Presence of danger notices and other warning notices
- Labelling of protective devices, switches and terminals
- Identification of conductors

Cables and Conductors

- Selection of conductors for current carrying capacity and voltage drop
- Erection methods
- Routing of cables in prescribed zones
- Cables incorporating earthed armour or sheath or run in an earthed wiring system, or otherwise protected against nails, screws and the like
- Additional protection by 30mA RCD for cables concealed in walls (where required, in premises not under the supervision of skilled or instructed persons)
- Connection of conductors
- Presence of fire barriers, suitable seals and protection against thermal effects

General

- Presence and correct location of appropriate devices for isolation and switching
- Adequacy of access to switchgear and other equipment
- Particular protective measures for special installations and locations
- Connection of single-pole devices for protection or switching in line conductors only
- Correct connection of accessories and equipment
- Presence of undervoltage protective devices
- Selection of equipment and protective measures appropriate to external influences
- Selection of appropriate functional switching devices

SCHEDULE OF ITEMS TESTED

† See note below

- 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
- Protection by separation of circuits

- Basic protection by barrier or enclosure provided during erection
- Insulation of non-conducting floors or walls
- Polarity
- Earth fault loop impedance, Z_s
- Verification of phase sequence
- Operation of residual current devices
- Functional testing of assemblies
- Verification of voltage drop


SCHEDULE OF ADDITIONAL RECORDS* (See attached schedule)

Page No(s)

Note: Additional page(s) must be identified by the Electrical Installation Certificate serial number and page number(s).

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

* 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 particular certificate(s) for the system(s).

This form is based on the model shown in Appendix 6 of BS 7671: 2008  Generated by Castline Systems FormFill software.

SCHEDULE OF CIRCUIT DETAILS FOR THE INSTALLATION

TO BE COMPLETED IN EVERY CASE		TO BE COMPLETED ONLY IF THE DISTRIBUTION BOARD IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION*					
Location of distribution board:	<i>ELECTRICAL ROOM</i>	Supply to distribution board is from:	<i>BEMCO</i>	No of phases:	<i>3</i>	Nominal voltage:	<i>400</i> V
Distribution board designation:	<i>MAIN BOARD</i>	Overcurrent protective device for the distribution circuit:	Associated RCD (if any): BS(EN)		<i>N/A</i>		
		Type: BS(EN)	<i>BS 5419</i>	Rating:	<i>20</i> A	RCD No of poles:	<i>N/A</i>
						$I_{\Delta n}$	mA

CIRCUIT DETAILS

Circuit number and phase	Circuit designation	Type of wiring (see code below)	Reference method <input type="checkbox"/>	Number of points served	Circuit conductors: csa			Overcurrent protective devices				RCD	
					Live (mm ²)	cpc (mm ²)	Max. disconnection time permitted by BS 7671 (s)	BS (EN)	Type No	Rating (A)	Short-circuit capacity (kA)	Operating current, $I_{\Delta n}$ (mA)	Maximum Z_s permitted by BS 7671 (Ω)
1	LOUNGE RING MAIN	A	A	1	2.5	1.5	5	61009	B	32	10	30	1666
2	HEATER 1	A	A	1	2.5	1.5	5	61009	B	20	10	30	1666
3	HEATER 2	A	A	1	2.5	1.5	5	61009	B	20	10	30	1666
4	LOUNGE LIGHTS	A	A	1	1.5	1.5	5	61009	B	6	10	30	1666
5	SPARE												
6	OUTSIDE LIGHTS 1	A	A	1	1.5	1.5	5	61009	B	6	10	30	1666
7	SPARE												
8	SPARE												
9	OUTSIDE LIGHTS 2	A	A	1	1.5	1.5	5	61009	B	6	10	30	1666
10	LAUNDRY ROOM	A	A	1	25	arm	5	61009	B	63	10	30	0.73
11	LAUNDRY ROOM	A	A	1	25	arm	5	61009	B	63	10	30	0.73
12	LAUNDRY ROOM	A	A	1	25	arm	5	61009	B	63	10	30	0.73
13	FIRE ALARM	A	A	1	1.5	1.5	5	61009	B	10	10	30	1666
14	VELUX	A	A	1	2.5	1.5	5	61009	B	20	10	30	1666
15	STAIRS LIGHTS	A	A	1	1.5	1.5	5	61009	B	10	10	30	1666
16	STAIRS SOCKETS	A	A	1	2.5	1.5	5	61009	B	32	10	30	1666
17	DATA ROOM SOCKETS	A	A	1	2.5	1.5	5	61009	B	32	10	30	1666
18	POST BOX LIGHTS	A	A	1	1.5	1.5	5	61009	B	10	10	30	1666
19	GATE INTERCOM	A	A	1	2.5	1.5	5	61009	B	16	10	30	1666
20	CCTV/ DOOR ACCESS	A	A	1	2.5	1.5	5	61009	B	16	10	30	1666
21	FOYEY LIGHTS	A	A	1	1.5	1.5	5	61009	B	6	10	30	1666
22	MAINS ROOM LIGHT	A	A	1	1.5	1.5	5	61009	B	10	10	30	1666
23	STORE / WALKWAY LIGHTS	A	A	1	1.5	1.5	5	61009	B	10	10	30	1666
24	ENTRANCE LIGHTS	A	A	1	1.5	1.5	5	61009	B	10	10	30	1666

☐ See Table 4A2 of Appendix 4 of BS 7671: 2008

CODES FOR TYPE OF WIRING								
A	B	C	D	E	F	G	H	O (Other - please state)
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	<i>RED FP200</i>

* In such cases, details of the distribution (sub-main) circuit(s), together with the test results for the circuit(s), must also be provided on continuation schedules.

SCHEDULE OF TEST RESULTS FOR THE INSTALLATION

<p>TO BE COMPLETED ONLY IF THE DISTRIBUTION BOARD IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION</p> <p>Characteristics at this distribution board</p> <p style="text-align: center;"><input checked="" type="checkbox"/> Confirmation of supply polarity</p> <p><small>* See note below</small></p> <p>Z_s * 0.09 Ω Operating times of associated RCD (if any) At $I_{\Delta n}$ N/A ms</p> <p>I_{pf} * 1.9 kA At $5I_{\Delta n}$ (if applicable) N/A ms</p>	<p style="text-align: center;">Test instruments (serial numbers) used:</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Earth fault loop impedance</td> <td style="width: 40%;">M-1 M0001</td> <td style="width: 30%;">RCD</td> <td>M-1 M0001</td> </tr> <tr> <td>Insulation resistance</td> <td>M-1 M0001</td> <td>Other</td> <td></td> </tr> <tr> <td>Continuity</td> <td>M-1 M0001</td> <td>Other</td> <td></td> </tr> </table>	Earth fault loop impedance	M-1 M0001	RCD	M-1 M0001	Insulation resistance	M-1 M0001	Other		Continuity	M-1 M0001	Other	
Earth fault loop impedance	M-1 M0001	RCD	M-1 M0001										
Insulation resistance	M-1 M0001	Other											
Continuity	M-1 M0001	Other											

TEST RESULTS													
Circuit number and phase	Circuit impedances (Ω)					Insulation resistance <small>† Record lower or lowest value</small>				Polarity (\checkmark)	Maximum measured earth fault loop impedance, Z_s <small>* See note below</small> (Ω)	RCD operating times	
	Ring final circuits only (measured end to end)			All circuits (At least one column to be completed)		Line/Line †	Line/Neutral †	Line/Earth †	Neutral/Earth			at $I_{\Delta n}$	at $5I_{\Delta n}$ (if applicable)
	r_1 (Line)	r_n (Neutral)	r_2 (cpc)	$R_1 + R_2$	R_2	(M Ω)	(M Ω)	(M Ω)	(M Ω)			(ms)	(ms)
1	0.21	0.21	0.44	0.29	N/A	>200	>200	>200	>200	\checkmark	0.34	19	21
2	N/A	N/A	N/A	0.14	N/A	>200	>200	>200	>200	\checkmark	0.19	19	21
3	N/A	N/A	N/A	0.15	N/A	>200	>200	>200	>200	\checkmark	0.19	19	21
4	N/A	N/A	N/A	0.22	N/A	>200	>200	>200	>200	\checkmark	0.34	19	21
5													
6	N/A	N/A	N/A	0.44	N/A	>200	>200	>200	>200	\checkmark	0.58	19	21
7													
8													
9	N/A	N/A	N/A	0.61	N/A	>200	>200	>200	>200	\checkmark	0.81	19	21
10	N/A	N/A	N/A	11	N/A	>200	>200	>200	>200	\checkmark	24	N/A	N/A
11	N/A	N/A	N/A	11	N/A	>200	>200	>200	>200	\checkmark	24	N/A	N/A
12	N/A	N/A	N/A	11	N/A	>200	>200	>200	>200	\checkmark	24	N/A	N/A
13	N/A	N/A	N/A	0.08	N/A	>200	>200	>200	>200	\checkmark	0.19	19	21
14	N/A	N/A	N/A	0.99	N/A	>200	>200	>200	>200	\checkmark	1.32	19	21
15	N/A	N/A	N/A	0.81	N/A	>200	>200	>200	>200	\checkmark	0.90	19	21
16	0.51	0.51	0.67	0.54	N/A	>200	>200	>200	>200	\checkmark	0.49	19	21
17	0.31	0.31	0.48	0.44	N/A	>200	>200	>200	>200	\checkmark	0.38	19	21
18	N/A	N/A	N/A	0.04	N/A	N/A	>200	>200	>200	\checkmark	0.11	19	21
19	N/A	N/A	N/A	0.02	N/A	N/A	>200	>200	>200	\checkmark	0.04	19	21
20	N/A	N/A	N/A	0.11	N/A	N/A	>200	>200	>200	\checkmark	0.19	19	21
21	N/A	N/A	N/A	0.08	N/A	N/A	>200	>200	>200	\checkmark	0.13	19	21
22	N/A	N/A	N/A	0.06	N/A	N/A	>200	>200	>200	\checkmark	0.11	19	21
23	N/A	N/A	N/A	0.09	N/A	N/A	>200	>200	>200	\checkmark	0.09	19	21
24	N/A	N/A	N/A	0.02	N/A	N/A	>200	>200	>200	\checkmark	0.10	19	21

* Note: Where the installation can be supplied by more than one source, such as a primary source (eg public supply) and a secondary source (eg standby generator), the higher or highest values must be recorded.

TESTED BY

Signature	Position: DIRECTOR
Name: (CAPITALS) ANDREW HALL	Date of testing: 10/01/2012

SCHEDULE OF CIRCUIT DETAILS FOR THE INSTALLATION - CONTINUATION

TO BE COMPLETED IN EVERY CASE	TO BE COMPLETED ONLY IF THE DISTRIBUTION BOARD IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION*			
Location of distribution board: <i>Laundry board</i>	Supply to distribution board is from: <i>LANDLORDS BOARD</i>	No of phases: <i>3</i>	Nominal voltage: <i>400</i> V	
Distribution board designation: <i>DB2</i>	Overcurrent protective device for the distribution circuit: Type: <i>BS 5419</i> Rating: <i>20</i> A	Associated RCD (if any): <i>NONE</i>		
		RCD No of poles: <i>N/A</i>	$I_{\Delta n}$ <i>N/A</i> mA	

CIRCUIT DETAILS

Circuit number and phase	Circuit designation	Type of wiring (see code below)	Reference method <input type="checkbox"/>	Number of points served	Circuit conductors: csa			Overcurrent protective devices				RCD	
					Live (mm ²)	cpc (mm ²)	Max. disconnection time permitted by BS 7671 (s)	BS (EN)	Type No	Rating (A)	Short-circuit capacity (kA)	Operating current, $I_{\Delta n}$ (mA)	Maximum Z_s permitted by BS 7671 (Ω)
<i>1</i>	<i>LAUNDRY LIGHTS</i>	<i>A</i>	<i>A</i>	<i>2</i>	<i>1.5</i>	<i>1.5</i>	<i>5</i>	<i>61009</i>	<i>B</i>	<i>10</i>	<i>10</i>	<i>30</i>	<i>1666</i>
<i>2</i>	<i>LAUNDRY SOCKET</i>	<i>A</i>	<i>A</i>	<i>1</i>	<i>2.5</i>	<i>1.5</i>	<i>5</i>	<i>61009</i>	<i>B</i>	<i>16</i>	<i>10</i>	<i>30</i>	<i>1666</i>
<i>3</i>													
<i>4</i>													
<i>5</i>													
<i>6</i>													
<i>7</i>													
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<i>10</i>													
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<i>14</i>													
<i>15</i>													
<i>16</i>													
<i>17</i>													
<i>18</i>													

See Table 4A2 of Appendix 4 of BS 7671

CODES FOR TYPE OF WIRING								
A	B	C	D	E	F	G	H	0 (Other - please state)
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	

* In such cases, details of the distribution (sub-main) circuit(s), together with the test results for the circuit(s), must also be provided on continuation schedules.

SCHEDULE OF TEST RESULTS FOR THE INSTALLATION - CONTINUATION

<p>TO BE COMPLETED ONLY IF THE DISTRIBUTION BOARD IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION</p> <p style="text-align: center;">Characteristics at this distribution board</p> <p style="text-align: center;"> <input checked="" type="checkbox"/> Confirmation of supply polarity </p> <p><small>* See note below</small></p> <p> Z_s * 0.11 Ω Operating times of associated RCD (if any) At $I_{\Delta n}$ N/A ms </p> <p> I_{pf} * 1.3 kA At $5I_{\Delta n}$ (if applicable) N/A ms </p>	<p style="text-align: center;">Test instruments (serial numbers) used:</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Earth fault loop impedance</td> <td style="width: 40%; border: 1px solid black; padding: 2px;">M-1 M0001</td> <td style="width: 10%;">RCD</td> <td style="width: 20%; border: 1px solid black; padding: 2px;">M-1 M0001</td> </tr> <tr> <td>Insulation resistance</td> <td style="border: 1px solid black; padding: 2px;">M-1 M0001</td> <td>Other</td> <td style="border: 1px solid black; padding: 2px;"> </td> </tr> <tr> <td>Continuity</td> <td style="border: 1px solid black; padding: 2px;">M-1 M0001</td> <td>Other</td> <td style="border: 1px solid black; padding: 2px;"> </td> </tr> </table>	Earth fault loop impedance	M-1 M0001	RCD	M-1 M0001	Insulation resistance	M-1 M0001	Other		Continuity	M-1 M0001	Other	
Earth fault loop impedance	M-1 M0001	RCD	M-1 M0001										
Insulation resistance	M-1 M0001	Other											
Continuity	M-1 M0001	Other											

TEST RESULTS

Circuit number and phase	Circuit impedances (Ω)					Insulation resistance <small>† Record lower or lowest value</small>				Polarity (✓)	Maximum measured earth fault loop impedance, Z_s <small>* See note below</small> (Ω)	RCD operating times	
	Ring final circuits only (measured end to end)			All circuits (At least one column to be completed)		Line/Line †	Line/Neutral †	Line/Earth †	Neutral/Earth			at $I_{\Delta n}$	at $5I_{\Delta n}$ (if applicable)
	r_1 (Line)	r_n (Neutral)	r_2 (cpc)	$R_1 + R_2$	R_2	(M Ω)	(M Ω)	(M Ω)	(M Ω)			(ms)	(ms)
1	N/A	N/A	N/A	0.11	N/A	N/A	>200	>200	>200	✓	0.19	17	12
2	N/A	N/A	N/A	0.09	N/A	N/A	>200	>200	>200	✓	0.21	17	12
3													
4													
5													
6													
7													
8													
9													
10													
11													
12													
13													
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16													
17													
18													

* Note: Where the installation can be supplied by more than one source, such as a primary source (eg public supply) and a secondary source (eg standby generator), the higher or highest values must be recorded.

TESTED BY

Signature: 	Position:
Name: (CAPITALS) 	Date of testing:

ELECTRICAL INSTALLATION CERTIFICATE GUIDANCE FOR RECIPIENTS

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 British Standard 7671 (the IEE Wiring Regulations).

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

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 British Standard 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 competent person. 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 of an existing electrical installation. A 'Periodic Inspection Report' should be issued for such an inspection.

COPIED