



ELECTRICAL INSTALLATION CERTIFICATE

(Requirements for Electrical Installations – BS 7671 IET Wiring Regulations)

DETAILS OF THE CLIENT

Certificate Design © NationalCerts 2018

Client/Address: S J GARTSIDE PROPERTY MANAGEMENT SERVICES, THE ESTATE OFFICE, POULTON INDUSTRIAL ESTATE, FY6 8JU

Installation Address: UNIT L, COCKER AVE, POULTON INDUSTRIAL ESTATE, FY6 8JU

DESCRIPTION AND EXTENT OF THE INSTALLATION

Description of installation: COMMERCIAL

New installation:

Extent of the installation covered by this Certificate: INSTALLATION OF NEW DISTRIBUTION BOARD, 8 X 5FT LED LIGHTS, SWITCH, 1 X HAND WASH SPUR AND REWIRE TOILET LIGHTING

An Addition: An Alteration:

(Use continuation sheet if necessary)

See continuation sheet No: N/A If, applicable

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(s) below), particulars of which are described above, having exercised reasonable skill and care when carrying out the design, construction, inspection and testing, and additionally where this certificate applies to an alteration or addition, the safety of the existing installation is not impaired, 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 except for the departures, if any, detailed as follows:

Details of departures from BS 7671 (Regulations 120.3, 133.1.3 and 133.5)

NONE

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

For the DESIGN, CONSTRUCTION, and the INSPECTION AND TESTING of the installation.

Details of permitted exceptions (Regulation 411.3.3). Where applicable, a suitable risk assessment(s) must be attached to this Certificate.

Signature		Date	01/12/22	Name (CAPITALS)	T SELLERS	Designer/Constructor
Reviewed by						
Signature		Date	01/12/22	Name (CAPITALS)	T SELLERS	Inspector/Tester

NEXT INSPECTION

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

I/We the designer(s), recommend that this installation is further inspected and tested after an interval of not more than **5 YEARS** (years/months)

PARTICULARS OF THE ORGANISATION RESPONSIBLE FOR THE ELECTRICAL INSTALLATION CERTIFICATE

Design, Construction, Inspection and Testing

Organisation: SELLERS ELECTRICAL SERVICES

Address: 22 BEVERLEY AVE
POULTON-LE-FYLDE
LANCASHIRE
FY6 8BN

Enrolment No. (Where appropriate): D604896

Branch No (if applicable):

Tel No: 01253 893781

SUPPLY CHARACTERISTICS AND EARTHING ARRANGEMENTS

Earthing arrangements	Number and types of live conductors		Nature of Supply Parameters			Supply Protective Device	
TN-C	A.C. <input checked="" type="checkbox"/>	D.C. <input type="checkbox"/>	Nominal voltage, U/ U ₀ ⁽¹⁾	230	V	BS (EN) LIM	
TN-S	1-phase 2 wire <input checked="" type="checkbox"/>	2-wire <input type="checkbox"/>	Nominal frequency, f ⁽¹⁾	50	Hz	Type LIM	
TN-C-S <input checked="" type="checkbox"/>	2-phase 3 wire <input type="checkbox"/>	3-wire <input type="checkbox"/>	Prospective fault current, I _{pr} ⁽²⁾	2.4	kA	Rated current LIM A	
TT	3-phase 3 wire <input type="checkbox"/>	Other <input type="checkbox"/>	External loop impedance, Z _e ⁽²⁾	0.13	Ω	Certificate Design © NationalCerts 2018	
IT	3-phase 4 wire <input type="checkbox"/>						
Confirmation of supply polarity <input checked="" type="checkbox"/>			Other sources of supply (as detailed on attached schedule)			N/A	

PARTICULARS OF INSTALLATION REFERRED TO IN THE CERTIFICATE			
Means of Earthing	Maximum Demand		
Distributor's facility	Maximum demand (load)	100	Amps
Installation earth electrode	Details of installation Earth Electrode (where applicable)		
	Type (e.g rod(s), tape, etc)	Location	Electrode resistance to Earth Ω

MAIN PROTECTIVE CONDUCTORS		Certificate Design © NationalCerts 2018					
Earthing conductor	Material	Copper	csa	16	mm	Connection/continuity verified	✓
Main protective bonding conductors	Material	Copper	csa	10	mm	Connection/continuity verified	✓
Bonding to extraneous conductive parts	To water pipes	✓	To gas pipes	✓	To oil pipes	To lightning protection	
	To structural steel		To other		Specify		

MAIN SWITCH / SWITCH-FUSE / CIRCUIT-BREAKER / RCD			If RCD main switch				
Location	UNDER STAIRS	Current rating	100	A	Rated residual operating current (I _{Δn})	N/A	mA
BS(EN)	BS EN 60947-3 Isolator	Fuse/ device rating or setting	N/A	A	Rated time delay	N/A	mA
No of poles	2	Voltage rating	230	V	Measured operating time	N/A	mA

COMMENTS ON EXISTING INSTALLATION (in the case of an addition or alteration see Regulation 644.1.2);

SCHEDULES The attached schedules are part of this document and this Certificate is valid only when they are attached to it.

Number of Schedules of Inspections attached **1** And Number of Schedules of Test results attached **1**

SCHEDULE OF INSPECTIONS (for new installation work only) for
DOMESTIC AND SIMILAR PREMISES WITH UP TO 100 A SUPPLY
 Note 1: This form is suitable for many types of smaller installations, not exclusively domestic.
 All items inspected in order to confirm, as appropriate, compliance with the relevant clauses in BS 7671.
 The list of items and associated examples where given are not exhaustive.
 Note 2: Insert ✓ to indicate an inspection has been carried out and the result is satisfactory,
 or N/A to indicate that the inspection is not applicable to a particular item.

ITEM NO	DESCRIPTION	Outcome See Note 2
1.0	EXTERNAL CONDITION OF INTAKE EQUIPMENT (VISUAL INSPECTION ONLY)	
1.1	Service cable	✓
1.2	Service head	✓
1.3	Earthing arrangement	✓
1.4	Meter tails	✓
1.5	Metering equipment	✓
1.6	Isolator (where present)	✓
2.0	PARALLEL OR SWITCHED ALTERNATIVE SOURCES OF SUPPLY	
2.1	Adequate arrangements where a generating set operates as a switched alternative to the public supply (551.6)	N/A
2.2	Adequate arrangements where a generating set operates in parallel with the public supply (551.7)	N/A
3.0	AUTOMATIC DISCONNECTION OF SUPPLY	
3.1	Presence and adequacy of earthing and protective bonding arrangements:	
	- installation earth electrode (where applicable) (542.1.2.3)	N/A
	- Earthing conductor and connections, including accessibility (542.3: 543.3.2)	✓
	- Main protective bonding conductors and connections, including accessibility (411.3.1.2: 543.3.2: 544.1)	✓
	- Provision of safety electrical earthing/bonding labels at appropriate locations (514.13)	✓

	- RCD(s) provided for fault protection (411.4.204: 411.5.3)	√
ITEM NO	DESCRIPTION	Outcome See Note 2
4.0	BASIC PROTECTION	
4.1	Presence and adequacy of measures to provide basic protection (prevention of contact with live parts) within the installation:	
	- Insulation of live parts e.g conductors covered with durable insulating material (416.1)	√
	- Barriers or enclosures e.g correct IP rating (416.2)	√
5.0	ADDITIONAL PROTECTION	
5.1	Presence and effectiveness of additional protection methods:	
	- RCD(s) not exceeding 30 mA operating current (415.1; Part 7), see Item 8.14 of the schedule	√
	- Supplementary bonding (415.2; Part 7)	√
6.0	OTHER METHODS OF PROTECTION	Certificate Design © NationalCerts 2018
6.1	Presence and effectiveness of methods which give both basic and fault protection:	
	- SELV system, including the source and associated circuits (section 414)	N/A
	- PELV system, including the source and associated circuits (section 414)	N/A
	- Double or reinforced insulation i.e. Class II or equivalent equipment and associated circuits (section 412)	√
	- Electrical separation for one item of equipment e.g shave supply unit (section 413)	√
7.0	CONSUMER UNIT(S) / DISTRIBUTION BOARD(S):	
7.1	Adequacy of access and working space for items of electrical equipment including switchgear (132.12)	√
7.2	Components are suitable according to assembly manufacturer's instructions or literature (536.4.203)	√
7.3	Presence of linked main switch(s) (462.1.201)	√
7.4	Isolators for every circuit or group of circuits and all items of equipment (462.2)	√
7.5	Suitability of enclosure(s) for IP and fire ratings (416.2: 421.1.6; 421.1.201)	√
7.6	Protection against mechanical damage where cables enter equipment (522.8.1; 522.8.5: 522.8.11)	√
7.7	Confirmation that all conductor connections are correctly located in terminals and are tight and secure (526.1)	√
7.8	Avoidance of heating effects where cables enter ferromagnetic enclosures e.g steel (521.5)	√
7.9	Selection of correct type and ratings of circuit protective devices for overcurrent and fault protection (411.3.2; 411.4; 411.5; 411.6; Section 432, 433; 537.3.1.1)	√
7.10	Presence of appropriate circuit charts, warning and other notices:	
	- Provision of circuit charts/schedules or equivalent forms of information (514.9)	√
	- Warning notice of method of isolation where live parts not capable of being isolated by a single device (514.11)	√
	- Periodic inspection and testing notice (514.12.1)	√
	- RCD six-monthly test notice, where required (514.12.2)	√
	- AFDD six-monthly test notice, where required	N/A
	- Warning notice of non-standard (mixed) colours of conductors present (514.14)	√
7.11	Presence of labels to indicate the purpose of switchgear and protective devices (514.1.1; 514.8)	√
8.0	CIRCUITS	
8.1	Adequacy of conductors for current-carrying capacity with regard to type and nature of the installation (Section 523)	√
8.2	Cable installation methods suitable for the location(s) and external influences (Section 522)	√
8.3	Segregation/separation of Band I (ELV) and Band II (LV) circuits, and electrical and non-electrical services (528)	√
8.4	Cables correctly erected and supported throughout with protection against abrasion (Sections 521, 522)	√
8.5	Provision of fire barriers, sealing arrangements where necessary (527.2)	√
8.6	Non-sheathed cables enclosed throughout in conduit, ducting or trunking (521.10.1; 526.8)	√
8.7	Cables concealed under floors, above ceilings or in walls/partitions, adequately protected against damage (522.6.201; 522.6.202; 522.6.204)	√
8.8	Conductors correctly identified by colour, lettering or numbering (Section 514)	√
8.9	Presence, adequacy and correct termination of protective conductors (411.3.1.1; 543.1)	√
8.10	Cables and conductors correctly connected, enclosed and with no undue mechanical strain (Section 526)	√
8.11	No basic insulation of a conductor visible outside enclosure (526.6)	√
8.12	Single-pole devices for switching or protection in line conductors only (132.14.1; 530.3.2)	√
8.13	Accessories not damaged, securely fixed, correctly connected, suitable for external influences (134.1.1; 512.2; Section 526)	√
8.14	Provision of additional protection/requirements by RCD not exceeding 30 mA:	

	- Socket outlets rated at 32 A or less (411.3.3)	√
	- Mobile equipment with a current rating not exceeding 32 A for use outdoors (411.3.3)	√

ITEM NO	DESCRIPTION	Outcome See Note 2
	CIRCUITS (continued) Certificate Design © NationalCerts 2018	
	- Cables concealed in walls at a depth of less than 50 mm (522.6.202; 522.6.203)	√
	- Cables concealed in walls/partitions containing metal parts regardless of depth (522.6.202; 522.6.203)	√
8.15	Presence of appropriate devices for isolation and switching correctly located including:	
	- Means of switching off for mechanical maintenance (464, 537.3.3)	√
	- Emergency switching (565.1, 537.3)	√
	- Functional switching for control of parts of the installation and current-using equipment (463.1, 537.3.1)	√
	- Firefighter's switches (537.4)	N/A
9.0	CURRENT-USING EQUIPMENT (PERMANENTLY CONNECTED)	
9.1	Equipment not damaged, securely fixed and suitable for external influences (134.1.1; 416.2; 512.2)	√
9.2	Provision of overload and/or undervoltage protection e.g for rotating machines, if required (Section 445, 552)	N/A
9.3	Installed to minimize the build-up of heat and restrict the spread of fire (421.1.4; 559.4.1)	√
9.4	Adequacy of working space. Accessibility to equipment (132.12; 513.1)	√
10.0	LOCATION(S) CONTAINING A BATH OR SHOWER (SECTION 701)	
10.1	30 mA RCD protection for all LV circuits, equipment suitable for the zones, supplementary bonding (where required) etc.	√
11.0	OTHER PART 7 SPECIAL INSTALLATIONS OR LOCATIONS	
11.1	List all other special installations or locations present, if any (Record separately the results of particular inspections applied)	N/A

Inspected by:	Name (Capitals):	T SELLERS	Signature:		Date:	01/12/22
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NOTES FOR RECIPIENT

THIS CERTIFICATE IS A VALUABLE DOCUMENT AND SHOULD BE RETAINED FOR FUTURE REFERENCE

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 British Standard 7671 (The IET Wiring regulations).

You should have received an original Certificate and the contractor should have retained a duplicate Certificate. 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 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 health and safety documentations.

For safety reasons, the electrical installation will need to be inspected at appropriate intervals by an electrically skilled person. The time interval recommended before the first periodic inspection must be inserted and stated in the Certificate 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 the 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 of Inspections and the Schedule(s) of Test Results.

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SCHEDULE OF TEST RESULTS

DB reference no	DB1	Details of circuits and/or installed equipment vulnerable to damage when testing ;	Details of test instruments used (state serial and/or asset numbers)
Location	UNIT		Continuity
Z _s at DB (Ω)	2.4		Insulation resistance
I _{pr} at DB (kA)	0.13	Tested by ; Certificate Design © NationalCerts 2018	Earth fault loop impedance
Correct supply polarity confirmed	√	Name (Capitals): T SELLERS	RCD
Phase sequence confirmed (where appropriate)	N/A	Signature:	Date: 01/12/22
			Earth electrode resistance

CIRCUIT DETAILS	TEST RESULTS
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Protective device										Conductor details		Certificate Design © NationalCerts 2018											
Circuit	Circuit description <small># To be completed only where this consumer unit is remote from the origin of the installation. Record details of the circuit supplying this consumer unit in the bold box.</small>	BS (EN) + type	Rating (A)	Breaking capacity (kA)	RCD I _n (mA)	Z _s (Ω)	Reference Method	Live (mm ²)	cpc (mm ²)	Ring final circuit continuity (Ω)			Continuity (Ω) (R ₁ + R ₂) or R ₂		V Insulation Test Voltage	Insulation Resistance (MΩ)		Polarity (√) check box	Z _s (Ω) Maximum measured	RCD Disconnection time (ms)	RCD test button operation	AFDD Manual test button operation	Remarks (continue on a separate sheet if necessary)
										r ₁ (line)	r ₁ (neutral)	r ₂ (cpc)	(R ₁ + R ₂)	R ₂		Live - Live	Live - Earth						
1/L1	LIGHTING	60898 Type B	6	6	30	5.82	A	1.5	1.5	N/A	N/A	N/A	0.88	N/A	500	200	200	√	1.01	33	√	N/A	
1/L2	SPARE																						
1/L3	SPARE																						
2/L1	SPARE																						
2/L2	SPARE																						
2/L3	SPARE																						
3/L1	SPARE																						
3/L2	SOCKET ABOVE	61009 Type B	20	6	30	1.74	A	2.5	1.5	N/A	N/A	N/A	0.03	N/A	500	200	200	√	0.16	32	√	N/A	
3/L3	HAND WASH SPUR	61009 Type B	16	6	30	2.18	A	2.5	1.5	N/A	N/A	N/A	0.15	N/A	500	200	200	√	0.28	33	√	N/A	
4/L1	SPARE																						
4/L2	SPARE																						
4/L3	SPARE																						
5/L1	SPARE																						
5/L2	SPARE																						
5/L3	SPARE																						
6/L1	SPARE																						

REFERENCE CODES FOR TYPES OF WIRING	A - PVC/PVC CABLES	B - PVC CABLES IN METALLIC CONDUIT	C - PVC CABLES IN NON-METALLIC CONDUIT	D - PVC CABLES IN METALLIC TRUNKING
E - PVC CABLES IN NON-METALLIC TRUNKING	F - PVC/SWA CABLES	G - XLPE/SWA CABLES	H - MINERAL-INSULATED CABLES	O - Other State:

