

ELECTRICAL INSTALLATION CERTIFICATE
CERTIFICATE No: EICS-20190508224307

This is to certify that the electrical installation at the following address complies with the requirements of BS 7671:2018

140 Western Street
Swansea
West Glamorgan
SA1 3JY

The following work was carried out at the above address

Full Rewire

Company issuing this Certificate

JP Electrical
10 Caelynych
Skewen
Neath Port Talbot
SA106DJ
CPS Enrolment No:NAPIT31022

Issued on

19/05/2019

Inspected by

Jonathan Pashley

Reviewed by

Jonathan Pashley



Recommended re-test

18/05/2024



CERT NO: EICS-20190508224307

ELECTRICAL INSTALLATION CERTIFICATE (SHORT)

Requirements for electrical installations (BS 7671 IET Wiring Regulations)

DETAILS OF THE CLIENT / PERSON ORDERING THE REPORT

Client name

Scott Driscoll

Address

22 Bonllwyn

Town

Ammanford

County

Carmarthanshire

Postcode

SA18 2EF

Telephone

-

Mobile

07891215481

Email

lscottl@hotmail.com

INSTALLATION ADDRESS

Occupier name

HMO

Address

140 Western Street

Description of premises

 Domestic Commercial Industrial Other

Installation is

 New An addition An alteration

Town

Swansea

Postcode

SA1 3JY

County

West Glamorgan

Telephone

-

EXTENT OF INSTALLATION

Extent of the electrical installation covered by this certificate

Full Rewire

FOR DESIGN, CONSTRUCTION AND INSPECTION AND TESTING

Trading title

JP Electrical

Postcode

SA106DJ

Company email

jp.electrical@live.co.uk

Address

10 Caelynch

Telephone no

-

Website

www.jp-electrical.net

Town

Skewen

Mobile number

07462529732

County

Neath Port Talbot

Enrolment no

NAPIT31022

Details of departures and permitted exceptions BS 7671 (Regs 120.3, 133.1.3, 133.5, 411.3.3). Risk assessment included.

N/A

I/We, being the person(s) responsible for the design, construction and 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 and inspection and testing, hereby **CERTIFY** that the work for which I have been responsible is to the best of my knowledge and belief in accordance with BS 7671:2018 except for the departures, if any, detailed as follows.

Inspected and tested by

Name (*Capitals*)

Jonathan Pashley

Signature

Position

Electrician

Date

18/05/2019

Certificate authorised by

Name (*Capitals*)

Jonathan Pashley

Signature

Position

Electrician

Date

19/05/2019

NEXT INSPECTION

I / We, recommend that this installation is further inspected and tested no later than 18/05/2024

SUPPLY CHARACTERISTICS AND EARTHING ARRANGEMENTS

Earthing arrangements		Number and type of live conductors			Nature of supply parameters				Supply Protective Device		
TN-S	<input checked="" type="checkbox"/>	AC	<input checked="" type="checkbox"/>	DC	<input type="checkbox"/>	Nominal voltage - U	230 V	U _o	230 V	BS(EN)	1361-II
TN-C-S	<input type="checkbox"/>	1-phase (2 wire)	<input checked="" type="checkbox"/>	1-phase (3 wire)	<input type="checkbox"/>	Nominal frequency - f	50 Hz	No of supplies	1	Type	II
TN-C	<input type="checkbox"/>	2-phase (3 wire)	<input type="checkbox"/>	3 pole	<input type="checkbox"/>	PFC - I _{pf}	3.08 kA	Supply polarity confirmed	<input checked="" type="checkbox"/>	Short circuit capacity (kA)	33
TT	<input type="checkbox"/>	3-phase (3 wire)	<input type="checkbox"/>	3-phase (4 wire)	<input type="checkbox"/>	Other	<input type="checkbox"/>	Maximum demand	60 A	Rated current (A)	60
IT	<input type="checkbox"/>					Earth loop impedance - Z _e	0.09 Ω				

PARTICULARS OF INSTALLATION REFERRED TO IN THIS REPORT

Means of earthing	Details of installation earth electrode (where applicable)			
Distributor's facility <input checked="" type="checkbox"/>	Type: eg rod,tape	N/A	Resistance to earth	N/A Ω
Earth electrode	Location	N/A	Method of measurement	N/A

Main switch / switch fuse /circuit breaker / RCD				Earthing conductor		Main protective bonding conductors		Bonding of extraneous conductive parts							
Type BS(EN)	60947-3	Voltage rating	230 V	Conductor material	Copper	Conductor material	Copper	Water	<input checked="" type="checkbox"/>	Gas	<input checked="" type="checkbox"/>				
No of poles	2	Rated current - I _n	100 A	Conductor csa (mm ²)	16	Conductor csa (mm ²)	10	Oil	N/A	Structural steel	N/A				
Conductor material	Copper	Fuse/device rating or setting	N/A A	Continuity check	<input checked="" type="checkbox"/>			Lightning protection	N/A	Other services	N/A				
Conductor csa (mm ²)	25	RCD operating current, I _n	N/A mA												
		RCD operating time at I _n	N/A ms												
<p><i>Bonding locations and measurements can be found on page ADDITIONAL BONDING INFORMATION at the end of this certificate.</i></p> <table border="1"> <tr> <td>BONDING OUTCOMES</td> <td>Pass <input checked="" type="checkbox"/></td> <td>Not applicable</td> <td>N/A</td> </tr> </table>												BONDING OUTCOMES	Pass <input checked="" type="checkbox"/>	Not applicable	N/A
BONDING OUTCOMES	Pass <input checked="" type="checkbox"/>	Not applicable	N/A												


Location of main switch

Front Porch

SCHEDULES OF INSPECTION

OUTCOMES	Acceptable condition	✓	Not applicable	N/A	Limitation	LIM	Departure from BS 7671	DEP
Item No	DESCRIPTION							OUTCOME Use codes above
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)							N/A
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:							
3.1.1	* Distributor's earthing arrangement (542.1.2.1; 542.1.2.2)							✓
3.1.2	* Installation earth electrode (where applicable) (542.1.2.3)							N/A
3.1.3	* Earthing conductor and connections, including accessibility (542.3; 543.3.2)							✓
3.1.4	* Main protective bonding conductors and connections, including accessibility (411.3.1.2; 543.3.2; 544.1)							✓
3.1.5	* Provision of safety electrical earthing/bonding labels at all appropriate locations (514.13)							✓
3.1.6	* RCD(s) provided for fault protection (411.4.204; 411.5.3)							✓
4.0	BASIC PROTECTION							
4.1	Presence and adequacy of measures to provide basic protection (prevention of contact with live parts) within the installation:							
4.1.1	* Insulation of live parts e.g. conductors completely covered with durable insulating material (416.1)							✓
4.1.2	* Barriers or enclosures e.g. correct IP rating (416.2)							✓
5.0	ADDITIONAL PROTECTION							
5.1	Presence and effectiveness of additional protection methods:							
5.1.1	* RCD(s) not exceeding 30mA operating current (415.1; Part 7), see item 8.14 of this schedule							✓
5.1.2	* Supplementary bonding (415.2; Part 7)							✓
6.0	OTHER METHODS OF PROTECTION							
6.1	Presence and effectiveness of methods which give both basic and fault protection:							
6.1.1	* SELV system, including the source and associated circuits (Section 414)							N/A
6.1.2	* PELV system, including the source and associated circuits (Section 414)							N/A
6.1.3	* Double or reinforced insulation i.e. Class II or equivalent equipment and associated circuits (Section 412)							✓
6.1.4	* Electrical separation for one piece of equipment e.g. shaver supply unit (Section 413)							N/A

Item No	DESCRIPTION	OUTCOME <i>See codes above</i>
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; 526.5)	✓
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; Sections 432, 433, 537.3.1.1)	✓
7.10	Presence of appropriate circuit charts, warning and other notices:	
7.10.1	* Provision of circuit charts/schedules or equivalent forms of information (514.9)	✓
7.10.2	* Warning notice of method of isolation where live parts not capable of being isolated by a single device (514.11)	N/A
7.10.3	* Periodic inspection and testing notice (514.12.1)	✓
7.10.4	* RCD six-monthly test notice; where required (514.12.2)	✓
7.10.5	* AFDD six-monthly test notice, where required	N/A
7.10.6	* Warning notice of non-standard (mixed) colours of conductors present (514.14)	N/A
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 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, 522.6.203, 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 outside enclosure (526.8)	✓
8.12	Single-pole devices for switching or protection in line conductors only (132.14.1; 530.3.3; 643.6)	✓
8.13	Accessories not damaged, securely fixed, correctly connected, suitable for external influences (134.1.1; 512.2; Section 526)	✓

Item No	DESCRIPTION	OUTCOME <i>See codes above</i>
8.14	Provision of additional protection/requirements by RCD not exceeding 30mA:	
8.14.1	* Socket-outlets rated at 32A or less, unless exempt (411.3.3)	✓
8.14.2	* Mobile equipment with a current rating not exceeding 32A for use outdoors (411.3.3)	✓
8.14.3	* Cables concealed in walls at a depth of less than 50mm (522.6.202, .203)	✓
8.14.4	* Cables concealed in walls/partitions containing metal parts regardless of depth (522.6.202; 522.6.203)	N/A
8.14.5	* Final circuits supplying luminaires within domestic (household) premises (411.3.4)	✓
8.15	Presence of appropriate devices for isolation and switching correctly located including:	
8.15.1	* Means of switching off for mechanical maintenance (Section 464; 537.3.2)	✓
8.15.2	* Emergency switching (465.1; 537.3.3)	✓
8.15.3	* Functional switching, for control of parts of the installation and current-using equipment (463.1; 537.3.1)	✓
8.15.4	* 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 under voltage protection e.g. for rotating machines, if required (Sections 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	
	List all other special installations or locations present, if any.	
-		
Comments on existing installation		
BS951 Earth clamp on lead incoming cable no signs of damage		
Inspected by		
Name (Capitals)	Signature	Date
Jonathan Pashley		09/05/2019
Certificate produced by electraform® 2019 based on the MODEL FORM from BS7671:2008+A3:2015		

DB-1 - Front Porch - (Hager) (12 ways)

Applies in every case				Characteristics at this board									
DB name	DB-1			Supplied from	Origin			Supply polarity confirmed	✓				
Location	Front Porch			No of circuits	12	No of phases	1	Phase sequence confirmed	N/A				
Overcurrent protective device for the supply circuit				Measurements at this board									
BS(EN)	1361-II	Rating (A)	60	Voltage Rating (V)	230	Zs (Ω)	0.08	Ipf (kA)	3.08	IΔn (ms)	N/A	5IΔn (ms)	N/A
Main switch at this board													
BS(EN)	60947-3	Rating (A)	100	Voltage Rating (V)	230	Fault current rating (kA)	10	RCD Rating (mA)	N/A	IΔn (ms)	N/A	5IΔn (ms)	N/A


CIRCUIT DETAILS

Cct No	Designation	No of points	Wiring type	Ref method	Conductors			Overcurrent devices					RCD mA
					Live mm ²	cpc mm ²	Dis time ms	BS(EN)	Rating A	Short circuit kA	Voltage Rating V	Max Zs Ω	
1	Cooker	1	A	C	6	2.5	0.4	61009-B	32	6	230	1.37	30
2	Kitchen Ring final	10	A	B	2.5	1.5	0.4	61009-B	32	6	230	1.37	30
3	Bedroom 1 & 2 Sockets	8	A	102	2.5	1.5	0.4	61009-B	20	6	230	2.19	30
4	Bedroom 3 & 4 Sockets	7	A	C	2.5	1.5	0.4	61009-B	20	6	230	2.19	30
5	Living Room Sockets	6	A	102	2.5	1.5	0.4	61009-B	20	6	230	2.19	30
6	Boiler	1	A	C	2.5	1.5	0.4	61009-B	20	6	230	2.19	30
7	Downstairs Lights	4	A	C	1	1	0.4	61009-B	6	6	230	7.28	30
8	Upstairs/Kitchen/Bathroom Lights	11	A	100	1	1	0.4	61009-B	6	6	230	7.28	30
9	Smoke Alarms	10	A	100	1	1	0.4	61009-B	6	6	230	7.28	30
10	Spare	-	-	-	-	-	-	-	-	-	-	-	-
11	Spare	-	-	-	-	-	-	-	-	-	-	-	-
12	Spare	-	-	-	-	-	-	-	-	-	-	-	-

TEST RESULTS DB-1 - Front Porch - (Hager 12 ways)

Cct No	Designation	Ring final circuits (measured end to end)			At least one column to be completed		Insulation resistance			Pol arity	Meas Zs Ω	Meas kA	RCD			AFDD	Circuit vulnerable to test
		(r1) Ω	(rn) Ω	(r2) Ω	R1+R2 Ω	R2 Ω	IR Test voltage V	L-L MΩ	L-E MΩ				RCD at IΔn	RCD at 5IΔn	RCD Test button	AFDD Test button	
1	Cooker	N/A	N/A	N/A	0.18	N/A	500	>500	>500	✓	0.38	0.64	34	31	✓	N/A	Yes
2	Kitchen Ring final	0.34	0.34	0.53	0.35	N/A	500	>500	>500	✓	0.59	0.41	36	33	✓	N/A	No
3	Bedroom 1 & 2 Sockets	N/A	N/A	N/A	0.73	N/A	500	>500	>500	✓	0.8	0.3	32	31	✓	N/A	Yes
4	Bedroom 3 & 4 Sockets	N/A	N/A	N/A	0.66	N/A	500	>500	>500	✓	0.76	0.32	32	29	✓	N/A	No
5	Living Room Sockets	N/A	N/A	N/A	0.62	N/A	500	>500	>500	✓	0.73	0.33	43	36	✓	N/A	No
6	Boiler	N/A	N/A	N/A	0.32	N/A	500	>500	>500	✓	0.47	0.54	29	31	✓	N/A	Yes
7	Downstairs Lights	N/A	N/A	N/A	0.65	N/A	500	>500	>500	✓	0.85	0.29	28	33	✓	N/A	No
8	Upstairs/Kitchen/Bathroom Lights	N/A	N/A	N/A	1.39	N/A	500	>500	>500	✓	1.65	0.15	28	36	✓	N/A	Yes
9	Smoke Alarms	N/A	N/A	N/A	1.45	N/A	500	>500	>500	✓	1.59	0.15	28	35	✓	N/A	Yes
10	Spare	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	Spare	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	Spare	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

ENGINEER AND TEST INSTRUMENTS

Multifunction 09300200	Continuity -	Insulation resistance -	EFLI Tester -	RCD tester -
Tested by (Capitals) Jonathan Pashley	Signature 		Date 18/05/2019	

Produced by electraform® 2019 based on the MODEL FORM from BS7671:2018 (18th Edition)

ELECTRICAL INSTALLATION CERTIFICATE GUIDANCE FOR RECIPIENTS

This CERTIFICATE is an important and valuable document which 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, inspected and tested in accordance with British Standard 7671 (the IET Wiring Regulations).
- You should have received a Certificate without watermarks and the contractor 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.
- This 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 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 an addition to an existing installation. It should not have been issued for the inspection of an existing electrical installation. An "Electrical Installation Condition Report (EICR)" should have been issued for such an inspection.
- This Certificate is only valid if accompanied by the Schedule of Inspections and the Schedule(s) of Test Results.

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	MICC cables	Includes FP200; Hi-Tuff; etc;

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