CERTIFICATE

mad about electrics

APPROVED CONTRACTOR

ELECTRICAL INSTALLATION CERTIFICATE

CERTIFICATE No: EICS-20220901135701

This is to certify that the electrical installation at the following address complies with the requirements of BS7671:2018+A2:2022 (18th Edition)

146 Lawrence street
York
YO10 3EB

The following work was carried out at the address above

Replace consumer unit.

This Certificate deems the installation to be in the following condition:

SATISFACTORY

Company issuing this Certificate

Mad About Electrics
Unit 2 Pyramid Court, Rosetta Way
York
YO26 5NB
01904787983
info@madaboutelectrics.com
CPS Enrolment No: 50 1089 000

Issued on

14/09/2022

Inspected by	Reviewed by
Luke Livingstone	Zac Loveley

Recommended re-test

5 Years from date of issue

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APPROVED CONTRACTOR

CERTIFICATE NO: EICS-20220901135701

ELECTRICAL INSTALLATION CERTIFICATE (SHORT)

Requirements for electrical installations (BS7671:2018+A2:2022 (18th Edition))

DETAILS OF THE CLIENT

David Blackwell
254 Tadcaster Road
York
North Yorkshire
YO24 1ES

: -
: -
: -
: David Blackwell

DETAILS OF THE INSTALLATION

-
146 Lawrence street
York
-
YO10 3EB

: -
: -
: -
: -

EXTENT OF INSTALLATION COVERED BY THIS CERTIFICATE

Extent of the electrical installation covered by this certificate

Replace consumer unit.

Description of premises

- [x] Residential
- [ ] Commercial
- [ ] Industrial
- [ ] Other

-

Installation is

- [ ] New
- [ ] An addition
- [x] An alteration

DETAILS OF DEPARTURES AND PERMITTED EXCEPTIONS

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

N/A

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

Installation is in poor condition, showing lots of signs of deterioration and in need of modernization. All circuits are electrically sound however further investigation is needed to determine underlying issues with the wiring.

FOR DESIGN, CONSTRUCTION AND INSPECTION AND TESTING

Mad About Electrics
Unit 2 Pyramid Court, Rosetta Way
York
-
YO26 5NB

: 01904787983
: -
: info@madaboutelectrics.com
: www.madaboutelectrics.com
Registration no: 50 1089 000

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APPROVED CONTRACTOR

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 BS7671:2018+A2:2022 (18th Edition) as amended except for the departures, if any, detailed as follows.

Inspected and tested by

Name	Signature
Luke Livingstone	

Position	Date
Electrician	01/09/2022

Certificate authorised by

Name	Signature
Zac Loveley	

Position	Date
Electrician	14/09/2022

NEXT INSPECTION

I, recommend that this installation is further inspected and tested in 5 Years

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SUPPLY CHARACTERISTICS AND EARTHING ARRANGEMENTS

Earthing arrangements

TN-S	✓
TN-C-S	
TN-C	
TT	
IT	

Number and type of live conductors

AC	✓		DC		
1-phase (2 wire)	✓	1-phase (3 wire)		2 pole	
2-phase (3 wire)				3 pole	
3-phase (3 wire)		3-phase (4 wire)		Other	

Nature of supply parameters

Nominal voltage - U	440	V	Uo	230	V
Nominal frequency - f	50	Hz	No of supplies	1	
PFC - Ipf	1.92	kA	Supply polarity confirmed	✓	
Earth loop impedance - Ze	0.12	Ω	Maximum demand	55	A

Supply Protective Device

BS(EN)	1361-II
Type	II
Short circuit capacity (kA)	33
Rated current (A)	100

PARTICULARS OF INSTALLATION REFERRED TO IN THIS REPORT

Means of earthing

Distributor's facility ✓

Earth electrode

Details of installation earth electrode (where applicable)

Type: eg rod, tape: N/A

Resistance to earth: N/A Ω

Location: N/A

Method of measurement: N/A

Main switch / switch fuse /circuit breaker / RCD

Type BS(EN)	60947-3	Voltage rating	230 V
No of poles	2	Rated current - In	100 A
Conductor material	Copper	Fuse/device rating or setting	N/A A
Conductor csa (mm^2)	25	RCD operating current, In	N/A mA
RCD time delay (ms)	N/A ms	RCD operating time at IΔn	N/A ms

Earthing conductor

Conductor material	Copper
Conductor csa (mm^2)	16
Continuity check	✓

Main protective bonding conductors

Conductor material	Copper
Conductor csa (mm^2)	16

Bonding of extraneous conductive parts

Water	✓	Gas	✓
Oil	N/A	Structural steel	N/A
Lightning protection	N/A	Other services	-

Bonding locations and measurements can be found on page ADDITIONAL BONDING INFORMATION at the end of this certificate.

BONDING OUTCOMES	Pass ✓	Not applicable N/A	No access 🔒

Location of main switch

Hall

SCHEDULE OF INSPECTIONS

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

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DB-1 - Hall - (Lewden) (13 ways)

Applies in every case				Characteristics at this board	
DB name	DB-1	Supplied from	Origin	Supply polarity confirmed	✓
Location	Hall	No of circuits	13	Phase sequence confirmed	N/A
		No of phases	1		

SPD Details	Type T1	Type T2	Type T3	SPD Operation status confirmed

Overcurrent protective device for the supply circuit

BS(EN) 1361-II | Rating (A) 100 | Voltage Rating (V) 230

Measurements at this board

Zs (Ω) 0.11 | Ipf (kA) 0.21 | IΔn (ms) N/A

CIRCUIT DETAILS

					Conductors			Overcurrent devices					RCD
Cct No	Designation	No of points	Wiring type	Ref method	Live (mm^2)	cpc (mm^2)	Dis time (s)	BS(EN)	Rating (A)	Short circuit (kA)	Voltage Rating (V)	Max Zs (Ω)	IΔn (mA)
1	Shower	1	A	C	10	6	0.4	61009-B	40	6	230	1.09	30
2	Cooker	1	A	C	6	2.5	0.4	61009-B	32	6	230	1.37	30
3	Spare	-	-	-	-	-	-	-	-	-	-	-	-
4	Downstairs Sockets	10	A	C	2.5	1.5	0.4	61009-B	32	6	230	1.37	30
5	Upstairs Sockets	13	A	C	2.5	1.5	0.4	61009-B	16	6	230	2.73	30
6	Unknown	-	A	C	2.5	1.5	0.4	61009-B	16	6	230	2.73	30
7	Downstairs Lights	12	A	C	1	1	0.4	61009-B	6	6	230	7.28	30
8	Upstairs Lights	9	A	C	1	1	0.4	61009-B	6	6	230	7.28	30
9	Downstairs Sockets	5	A	C	2.5	1.5	0.4	61009-B	32	6	230	1.37	30
10	Kitchen Sockets	14	A	C	2.5	1.5	0.4	61009-B	32	6	230	1.37	30
11	Spare	-	-	-	-	-	-	-	-	-	-	-	-
12	Spare	-	-	-	-	-	-	-	-	-	-	-	-
13	Spare	-	-	-	-	-	-	-	-	-	-	-	-

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TEST RESULTS DB-1 - Hall - (Lewden 13 ways)

		Ring final circuits (measured end to end)			At least one column to be completed		Insulation resistance						RCD		AFDD	
Cct No	Designation	(r1) (Ω)	(rn) (Ω)	(r2) (Ω)	R1+R2 (Ω)	R2 (Ω)	IR Test voltage (V)	L-L (MΩ)	L-E (MΩ)	Polarity	Meas Zs (Ω)	Meas kA	RCD at IΔn (ms)	RCD Test button	AFDD Test button	Circuit vulnerable to test
1	Shower	-	-	-	0.22	-	500	>999	>999	✓	0.34	-	29.2	✓	N/A	No
2	Cooker	-	-	-	0.17	-	500	>999	>999	✓	0.29	-	48.9	✓	N/A	No
3	Spare	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4	Downstairs Sockets	0.25	0.25	0.39	0.14	-	500	>999	>999	✓	1.12	-	48.9	✓	N/A	No
5	Upstairs Sockets	-	-	-	0.30	-	500	>999	>999	✓	0.39	-	28.8	✓	N/A	No
6	Unknown	-	-	-	-	-	500	-	>999	N/A	-	-	28.9	✓	N/A	No
7	Downstairs Lights	-	-	-	0.96	-	500	>999	>999	✓	1.08	-	28.9	✓	N/A	No
8	Upstairs Lights	-	-	-	0.83	-	500	>999	>999	✓	0.94	-	29.0	✓	N/A	No
9	Downstairs Sockets	0.21	0.21	0.36	0.11	-	500	>999	>999	✓	0.62	-	39.0	✓	N/A	No
10	Kitchen Sockets	0.82	0.83	1.37	0.35	-	500	>999	>999	✓	0.91	-	48.9	✓	N/A	No
11	Spare	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	Spare	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13	Spare	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

ENGINEER AND TEST INSTRUMENTS

Multifunction	Continuity	Insulation resistance	EFLI Tester	RCD tester
101309512	-	-	-	-

Tested by (Capitals)	Signature	Date
Luke Livingstone		01/09/2022

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ADDITIONAL BONDING INFORMATION

Water bond details

Water bond size
- mm^2

Water bond measurement
- Ω

Water bond location
-

Additional notes
-

Gas bond details

Gas bond size
- mm^2

Gas bond measurement
- Ω

Gas bond location
-

Additional notes
-

Oil bond details

Oil bond size
- mm^2

Oil bond measurement
- Ω

Oil bond location
-

Additional notes
-

Structural steel bond details

Steel bond size
- mm^2

Steel bond measurement
- Ω

Steel bond location
-

Additional notes
-

Lightning conductor bond details

Lightning conductor size
- mm^2

Lightning conductor measurement
- Ω

Lightning conductor location(s)
-

Additional notes
-

Other bond details

Other bonding conductor size
- mm^2

Bonding conductor measurement
- Ω

Other bonding conductor location(s)
-

Additional notes
-

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 BS 7671.
- You should have received a Certificate without watermarks and the company 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 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 an addition to an existing installation. It should not have been issued for the inspection and testing 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 the Schedule of Inspections has been completed to confirm that all relevant inspections have been carried out and where accompanied by Schedule(s) of Circuit Details and 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 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, manufacturers instructions should be followed with respect to test button operation.
- Where the installation includes a surge protection device (SPD) the status indicator should be checked to confirm it is in operational condition in accordance with manufacturers information. If the indication shows the device is not operational, seek expert advice. **For safety reasons it is important 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.

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	Other cable types not listed here
FP	**TR**	**HT**	**SY**	**YY**	**CY**	**VIR**		
FP 200 - standard fire resistant cable	Tri-rated - BS 6231 high temperature - flame retardant cable	Hi Tuff - waterproof with a tough PVC sheathing for outdoor use	SY cable - flexible instrumentation cable with a galvanised steel wire braid	YY cable - flexible instrumentation cable with a galvanised steel wire braid	CY cable - flexible instrumentation cable with a galvanised steel wire braid and a PETP separator	VIR - Vulcanised Indian Rubber cable - no longer manufactured		

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