



ELECTRICAL INSTALLATION CERTIFICATE

CERTIFICATE No: EICS-20240821220259

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

19 Wood Street
Bolton
BL1 1EB

The following work was carried out at the address above

Electrical Installation to the Ground and 1st Floor and all associated electrical circuits relating to the conversion from office space to residential.

Company issuing this Certificate

Electrical Installation Contractors Ltd

Unit 24, Pilsworth Way

Bury

England

BL98RE

01615118748

sales@e-i-c.co.uk

CPS Enrolment No: D609025

Issued on

14/08/2024

Inspected by

Ryan Burton

A handwritten signature in black ink, appearing to be 'R Burton', written over a horizontal line.

Reviewed by

Ryan Burton

A handwritten signature in black ink, appearing to be 'R Burton', written over a horizontal line.

Recommended re-test

14/08/2029

Certificate generated by electraform® certification software 2024 | www.electraform.co.uk

DETAILS OF THE CLIENT

Peter Wu
19 Wood Street
Bolton
-
BL1 1EB

☎: -
📠: -
✉: -
👤: Peter Wu

DETAILS OF THE INSTALLATION

Peter Wu
19 Wood Street
Bolton
-
BL1 1EB

☎: -
📠: -
✉: -
👤: -

EXTENT OF INSTALLATION COVERED BY THIS CERTIFICATE

Extent of the electrical installation covered by this certificate

Electrical Installation to the Ground and 1st Floor and all associated electrical circuits relating to the conversion from office space to residential.

Description of premises

- ☒ Residential
☐ Commercial
☐ Industrial
☐ Other
-

Installation is

- ☒ New
☐ An addition
☐ 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.

-

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

FOR DESIGN, CONSTRUCTION AND INSPECTION AND TESTING

Electrical Installation Contractors Ltd
Unit 24, Pilsworth Way
Bury
England
BL98RE

☎: 01615118748
📠: -
✉: sales@e-i-c.co.uk
🌐: www.e-i-c.co.uk
Registration no: D609025

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

Ryan Burton

Signature

R Burton

Position

Electrician

Date

14/08/2024

Certificate authorised by

Name

Ryan Burton

Signature

R Burton

Position

Electrician

Date

14/08/2024

NEXT INSPECTION

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

14/08/2029

Certificate produced by electroform based on the MODEL FORM from BS7671:2018+A2:2022 (18th Edition)

SUPPLY CHARACTERISTICS AND EARTHING ARRANGEMENTS

Earthing arrangements		Number and type of live conductors				Nature of supply parameters				Supply Protective Device	
TN-S	☐	AC	☒	DC	☐	Nominal voltage - U	400 V	U _o	400 V	BS(EN)	1361-II
TN-C-S	☒	1-phase (2 wire)	☐	1-phase (3 wire)	☐	2 pole	☐	Nominal frequency - f	50 Hz	No of supplies	1
TN-C	☐	2-phase (3 wire)	☐	3 pole	☐	PFC - Ip _f	2.73 kA	Supply polarity confirmed	☒	Short circuit capacity (kA)	33
TT	☐	3-phase (3 wire)	☒	3-phase (4 wire)	☐	Other	☐	Earth loop impedance - Z _e	0.09 Ω	Maximum demand	100 A
IT	☐									Rated current (A)	100

PARTICULARS OF INSTALLATION REFERRED TO IN THIS REPORT

Means of earthing		Details of installation earth electrode (where applicable)			
Distributor's facility	☒	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)	60947-2	Voltage rating	230 V	Conductor material	Copper	Conductor material	Copper	Water	☒	Gas	-
No of poles	2	Rated current - I _n	100 A	Conductor csa (mm ²)	16	Conductor csa (mm ²)	10	Oil	-	Structural steel	-
Conductor material	Copper	Fuse/device rating or setting	N/A A	Continuity check	☒			Lightning protection	-	Other services	-
Conductor csa (mm ²)	25	RCD operating current, I _{Δn}	N/A mA								
RCD time delay (ms)	LIM ms	RCD operating time at I _{Δn}	N/A ms								

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

BONDING OUTCOMES	Pass	Not applicable	No access
	☒	☐	☐

Location of main switch

Basement

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	☐	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	☒
7.0	Distribution equipment	☒	14.0	Prosumer's low voltage electrical installation(s)	☐

Basement DB - Basement - (Live) (30 ways)

Applies in every case								Characteristics at this board									
DB name	Basement DB			Supplied from	Origin			Supply polarity confirmed			☒						
Location	Basement			No of circuits	30		No of phases	3		Phase sequence confirmed		☒					
SPD Details		Type T1	☒	Type T2			Type T3			SPD Operation status confirmed		LIM					
Overcurrent protective device for the supply circuit								Measurements at this board									
BS(EN)	60947-2		Rating (A)	125		Voltage Rating (V)	400		Zs (Ω)	0.09		Ipf (kA)	2.73		IΔn (ms)	N/A	

CIRCUIT DETAILS

Cct No	Designation	No of points	Wiring type	Ref method	Conductors			Dis time (s)	Overcurrent devices					RCD	
					Live (mm ²)	cpc (mm ²)			BS(EN)	Rating (A)	Short circuit (kA)	Voltage Rating (V)	Max Zs (Ω)	RCD type	IΔn (mA)
1L1	First Floor Ring	-	A	100	2.5	1.5	0.4		61009-B	32	6	230	1.37	-	-
1L2	Ground Floor Ring	-	A	100	2.5	1.5	0.4		61009-B	32	6	230	1.37	-	-
1L3	Kitchen Ring	-	A	100	2.5	1.5	0.4		61009-B	32	6	230	1.37	-	-
2L1	Ground Floor Ring	-	A	100	2.5	1.5	0.4		61009-B	32	6	230	1.37	-	-
2L2	Ground Floor Ring	-	A	100	2.5	1.5	0.4		61009-B	32	6	230	1.37	-	-
2L3	Ground 1 Shower	-	A	100	6	2.5	0.4		61009-B	32	6	230	1.37	-	-
3L1	Up1 Shower	-	A	100	6	2.5	0.4		61009-B	32	6	230	1.37	-	-
3L2	Ground 2 Shower	-	A	100	6	2.5	0.4		61009-B	32	6	230	1.37	-	-
3L3	Cooker	-	A	100	6	2.5	0.4		61009-B	32	6	230	1.37	-	-
4L1	Spare	-	-	-	-	-	-		-	-	-	-	-	-	-
4L2	Spare	-	-	-	-	-	-		-	-	-	-	-	-	-
4L3	Spare	-	-	-	-	-	-		-	-	-	-	-	-	-
5L1	Spare	-	-	-	-	-	-		-	-	-	-	-	-	-
5L2	Spare	-	-	-	-	-	-		-	-	-	-	-	-	-
5L3	Spare	-	-	-	-	-	-		-	-	-	-	-	-	-
6L1	Lights	-	A	100	1	1	0.4		61009-B	6	6	230	7.28	-	-
6L2	Lights	-	A	100	1	1	0.4		61009-B	6	6	230	7.28	-	-
6L3	Spare	-	-	-	-	-	-		-	-	-	-	-	-	-
7L1	Spare	-	-	-	-	-	-		-	-	-	-	-	-	-
7L2	Spare	-	-	-	-	-	-		-	-	-	-	-	-	-
7L3	Spare	-	-	-	-	-	-		-	-	-	-	-	-	-
8L1	Spare	-	-	-	-	-	-		-	-	-	-	-	-	-
8L2	Spare	-	-	-	-	-	-		-	-	-	-	-	-	-
8L3	Spare	-	-	-	-	-	-		-	-	-	-	-	-	-
9L1	Up Shower 2	-	A	100	6	2.5	0.4		61009-B	6	6	230	7.28	-	-
9L2	Up Shower 3	-	A	100	6	2.5	0.4		61009-B	6	6	230	7.28	-	-
9L3	Up Ring 2	-	A	100	2.5	1.5	0.4		61009-B	6	6	230	7.28	-	-
10L1	Up Ring 3	-	A	100	2.5	1.5	0.4		61009-B	6	6	230	7.28	-	-
10L2	Fire Panel	-	A	100	1.5	1.5	0.4		60898-B	10	6	230	4.37	-	-
10L3	Spare	-	-	-	-	-	-		-	-	-	-	-	-	-

TEST RESULTS Basement DB - Basement - (Live 30 ways)

Cct No	Designation	Ring final circuits (measured end to end)			At least one column to be completed		Insulation resistance						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)	Polarity	Meas Zs (Ω)	Meas kA	RCD at IΔn (ms)	RCD Test button	AFDD Test button	
1L1	First Floor Ring	0.11	0.12	0.16	-	-	500	2000	2000	✓	-	6	-	✓	-	-
1L2	Ground Floor Ring	0.09	0.09	0.12	-	-	500	2000	2000	✓	-	6	-	✓	-	-
1L3	Kitchen Ring	0.32	0.32	0.41	-	-	500	2000	2000	✓	-	6	-	✓	-	-
2L1	Ground Floor Ring	0.17	0.16	0.22	-	-	500	2000	2000	✓	-	6	-	✓	-	-
2L2	Ground Floor Ring	0.22	0.21	0.30	-	-	500	2000	2000	✓	-	6	-	✓	-	-
2L3	Ground 1 Shower	-	-	-	0.21	-	500	-	2000	✓	-	6	-	✓	-	-
3L1	Up1 Shower	-	-	-	0.17	-	500	-	2000	✓	-	6	-	✓	-	-
3L2	Ground 2 Shower	-	-	-	0.33	-	500	-	2000	✓	-	6	-	✓	-	-
3L3	Cooker	-	-	-	0.28	-	500	-	2000	✓	-	6	-	✓	-	-
4L1	Spare	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4L2	Spare	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4L3	Spare	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5L1	Spare	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5L2	Spare	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5L3	Spare	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6L1	Lights	-	-	-	1.17	-	500	-	2000	✓	-	6	-	✓	-	-
6L2	Lights	-	-	-	2.14	-	500	-	2000	✓	-	6	-	✓	-	-
6L3	Spare	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7L1	Spare	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7L2	Spare	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7L3	Spare	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8L1	Spare	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8L2	Spare	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8L3	Spare	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9L1	Up Shower 2	-	-	-	0.38	-	500	-	2000	✓	-	6	-	✓	-	-
9L2	Up Shower 3	-	-	-	0.41	-	500	-	2000	✓	-	6	-	✓	-	-
9L3	Up Ring 2	0.37	0.37	0.49	-	-	500	2000	2000	✓	-	6	-	✓	-	-
10L1	Up Ring 3	0.44	0.39	0.51	-	-	500	2000	2000	✓	-	6	-	✓	-	-
10L2	Fire Panel	-	-	-	0.17	-	500	-	2000	✓	-	6	-	✓	-	-
10L3	Spare	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

ENGINEER AND TEST INSTRUMENTS FOR Basement DB - Basement

MFT	-	Continuity	-	Ins res	-	EFLI	-	RCD	-
Tested by	Ryan Burton		RB				Date	14/08/2024	

ADDITIONAL BONDING INFORMATION

Water bond details

Water bond size

 mm²

Water bond measurement

 Ω

Water bond location

Additional notes

Gas bond details

Gas bond size

 mm²

Gas bond measurement

 Ω

Gas bond location

Additional notes

Oil bond details

Oil bond size

 mm²

Oil bond measurement

 Ω

Oil bond location

Additional notes

Structural steel bond details

Steel bond size

 mm²

Steel bond measurement

 Ω

Steel bond location

Additional notes

Lightning conductor bond details

Lightning conductor size

 mm²

Lightning conductor measurement

 Ω

Lightning conductor location(s)

Additional notes

Other bond details

Other bonding conductor size

 mm²

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	CY cable - flexible instrumentation cable with a tinned copper wire braid and a PETP separator	VIR - Vulcanised Indian Rubber cable - no longer manufactured		

Certificate produced by electroform based on the MODEL FORM from BS7671:2018+A2:2022 (18th Edition)