

ELECTRICAL INSTALLATION CERTIFICATE

Requirements for Electrical Installations - BS 7671: 2018+A2:2022
(IET Wiring Regulations 18th Edition)

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 BS 7671 (the IET Wiring Regulations).

You should have received an 'original' Certificate and the person that issued the Certificate should have retained a duplicate.

If you were the person ordering this work, but not the owner of the installation, you should pass this Certificate, or a full copy of it, immediately to the owner. The original Certificate is to be retained in a safe place and be shown to any person inspecting or undertaking 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 document.

For safety reasons, the electrical installation will need to be re-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 in Section 3 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 and testing of an existing electrical installation. An "Electrical Installation Condition Report" should be 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 that 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, manufacturer's instructions shall be followed with respect to test button operation.

Where the installation includes a surge protective device (SPD) the status indicator should be checked to confirm it is in operational condition in accordance with manufacturer's information. If the indication shows that the device is not operational, seek expert advice. For safety reasons it is important that 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.

ELECTRICAL INSTALLATION CERTIFICATE
[BS 7671: 2018+A2:2022 as amended]

FT/EIC 5973000001145

for Domestic and Similar Premises up to 100 A

Requirements for Electrical Installations
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Client Details

Client	MR. Abdul Tohid & Mrs Saddam Nazir	Installation	Mr.Abdul Tohid & Mrs Saddam Nazir
Address	117 Oxbarn Avenue Wolverhampton	Address	12 South Grove Manchester Lancashire
Postcode	WV37HQ	Postcode	M13 0AU

Details of the Installation

Description of premises Domestic ☒ Commercial ☐ Industrial ☐ Date of original installation 24/08/23

Installation is New ☒ Addition ☐ Alteration ☐ Records Available Yes ☐ No ☒ RCD Risk assessment attached ☐

Description of the installation
House rewire ,all new wiring ,consumer unit ,and fittings

Extent of the installation covered by this certificate
whole house electrical installation

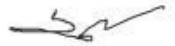
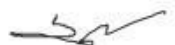
Details of departures from BS 7671 (regulations 120.3, 133.1.3 and 133.5)
N/A

Details of permitted exception. (regulation 411.3.3) where applicable a suitable risk assessment(s) must be attached to this certificate
N/A

Declaration for Design, Construction, Inspection and Testing (for sole person responsibility)

I being the person responsible for design, construction, inspection and the test of the electrical installation (as indicated by my signature below), particulars of which are described in Section 2, having exercised reasonable skill and care when carrying out the design, construction, inspection and test hereby CERTIFY that the design, construction, inspection and test for which i have been responsible is to the best of my knowledge and belief in accordance with BS 7671:2018, amended to 2022 except for the departures, if any, listed below. The extent of liability of the signatory or the signatories is limited to work described in Section 2 as subject of this certificate.

For the DESIGN / CONSTRUCTION / INSPECTION & TEST of the installation:

Company	Smart Solutions Electronics LTD	Position	Test engineer
Inspector Name	Lucas Szachulowicz	Date	24/09/2023
Address	72 Ardenfield Denton, Lancashire M34 7LN	Scheme No.	Napit Branch No. 61679
		Signature	
Reviewed By	Lucas Szachulowicz	Reviewed By	
Reviewed By Date	24/09/2023	Signature	

Next inspection I the designer recommend that this installation is further inspected after an interval of not more than 10 years

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Supply Characteristics and Earthing Arrangements

Earthing Arrangements TN-S ☐ TN-C-S ☒ TT ☐ Other ☐ If Other please specify N/A

Number & Type of live conductors AC ☒ DC ☐ No. of phases 1 No. of wires 2

Nature of Supply Parameters (Note: ⁽¹⁾ by enquiry, ⁽²⁾ by enquiry or by measurement)

Nominal voltage, U/U₀ ⁽¹⁾ 230 v Nominal frequency, f⁽¹⁾ 50 Hz Confirmation of polarity ☒

Prospective fault current, I_{pf} ⁽²⁾ 1.32 kA External loop impedance, Z_e ⁽²⁾ 0.23 Ω

Supply Protective Device BS (EN) 1361 HBC Type 2 Type 2 Rated Current 100 A

No. of Additional Supplies N/A

Particulars of Installation at the Origin

Details of installation Earth Electrode (where applicable) Type (e.g. rod(s), tape etc) Distributors facility ☒ Installation Earth Electrode ☐
Location Electrode resistance to earth Maximum Demand (load) 60 Amps ☒ KVA

Main Protective Conductors	Material	csa	(✓) or Value	(✓) or Value
Earthing Conductor	Copper	10 mm ²	Continuity Verified ☒	Connection Verified ☒ Ω
Protective Bonding Conductor	Copper	10 mm ²	Continuity Verified ☒	Connection Verified ☒ Ω

Main Supply Conductor	Material	csa	(connection / continuity) (✓) or Value	(✓) or Value
	Copper	16 mm ²	Water installation ☒ Ω	To structural steel ☐ Ω
Main Switch Location	Entrance hallway		Gas installation pipes ☒ Ω	To lightning protection ☐ Ω
			Oil installation pipes ☐ Ω	Other ☐ Ω

Fuse/device rating or setting 100 A Voltage rating 230 V BS(EN) 60947 No. of Poles 2 Current Rating 100 A
If RCD main switch: Rated residual operating current I_{Δn} N/A mA Rated time delay N/A ms Measured operating trip time N/A ms

Comments on existing installation (in case of addition or alteration see section 644.1.2) use continuation sheet if needed

N/A

(For additions or alterations) cables concealed within trunking and conduits, or cables or conduits concealed under floors, in roof spaces and generally within the fabric of the building or underground may not have been inspected.

Schedule of Inspection - Outcomes

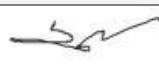
Indicates an inspection has been carried out and the result is satisfactory			Indicates the inspection is not applicable to a particular item		
		✓			N/A
1.0	Condition of consumer's intake equipment (visual inspection only)	✓	8.0	Circuits (Distribution and Final)	✓
2.0	Parallel or switched alternative sources of supply	N/A	9.0	Isolation and switching	✓
3.0	Protective measure: Automatic Disconnection of Supply (ADS)	N/A	10.0	Current-using equipment (permanently connected)	✓
4.0	Basic Protection	✓	11.0	Identification and notices	✓
5.0	Protective measure other than ADS	N/A	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)	✓

SCHEDULES: This certificate is only valid when (enter quantities of schedules attached) 1 schedules of circuit details and test results are attached

Inspector's Name: Lucas Szachulowicz

Signature

Date: 24/09/2023



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Wiring Types: **A** PVC/PVC, **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** SWA/XPLE cables, **H** Mineral Insulated, **MW** Metal Work, **FM** Ferrous Metal, **O** Other

* SPD Type. Where a combined T1 + T2 or T2 + T3 device is installed, indicate by ticking both boxes.
† Where a T3 SPD is installed to protect sensitive equipment, enter Details of Circuits, of the Schedule of Test Results. (See Section 534 of BS 7671:2018+A2:2022.)
‡ See Table 4A2 of Appendix 4 of BS 7671:2018+A2:2022.
§ Where the maximum permitted earth fault loop impedance value stated in Max Zs column is taken from a source other than the tabulated values given in Chapter 41 of BS 7671:2018+A2:2022, state the source of the data in the appropriate cell for the circuit in the change to Schedule of Test Results

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[illegible]

Details of circuits and/or installed equipment vulnerable to damage when testing		Date(s) dead testing		24/09/2023		To		24/09/2023											
N/A		Date(s) live testing		24/09/2023		To		24/09/2023											
Test instrument serial number(s)																			
Loop impedance		1008123102038643		Insulation resistance		1008123102038643		Continuity		1008123102038643		RCD		1008123102038643		E/Electrode		N/A	
Tested by: Name (capital letters)				LUCAS SZACHULOWICZ				Signature											
Position		Test engineer		Date		24/09/2023													