

# ELECTRICAL INSTALLATION CERTIFICATE

REQUIREMENTS FOR ELECTRICAL INSTALLATIONS - BS 7671 (IEE Wiring Regulations)

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CERT No. BA/4/12

## DESIGNER (No.1)

Name: [REDACTED]  
 Company: [REDACTED]  
 Address: [REDACTED]  
 Postcode: [REDACTED] Phone No: [REDACTED]

## DESIGNER (No.2)

Name: \_\_\_\_\_  
 Company: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 Postcode: \_\_\_\_\_ Phone No: \_\_\_\_\_

## CONSTRUCTOR(S)

Name(s): \_\_\_\_\_  
 Company: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 Postcode: \_\_\_\_\_ Phone No: \_\_\_\_\_

## INSPECTOR(S)

Name(s): \_\_\_\_\_  
 Company: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 Postcode: \_\_\_\_\_ Phone No: \_\_\_\_\_

## SUPPLY CHARACTERISTICS AND EARTHING ARRANGEMENTS

✓ tick box where applicable

Number of Live Conductors <u>2/2+4</u>	Type of live conductors: <u>a.c. / d.c.</u>
Nature of Supply	Nominal voltage: U <sub>n</sub> <u>240</u> (V) U <sub>o</sub> <u>240</u> (V) Nominal frequency (f): <u>50</u> Hz
	Fault current (earth fault/short-circuit)*: <u>2.6</u> kA External loop impedance (Z <sub>s</sub> ): <u>0.81</u> Ω
Supply Protective Device Characteristics:	BS (EN): <u>60947</u> Rated Current/Current Setting (In) <u>100</u> A
Earthing Arrangements:	TNS <input checked="" type="checkbox"/> TN-CS <input type="checkbox"/> TT <input type="checkbox"/> TNC <input checked="" type="checkbox"/> IT <input type="checkbox"/>

## PARTICULARS OF INSTALLATION REFERRED TO IN THE CERTIFICATE

✓ tick box where applicable

Means of Earthing: Distributor's facility  Installation earth electrode  Maximum demand (load): 2.6 kVA/Amps per phase

## Details of Installation Earth Electrode

Location: MAIN BOARD AREA KITCHEN Type (rods, etc.): \_\_\_\_\_

Electrode Resistance to Earth (R<sub>a</sub>): 0.80 Ω Method of Measurement: EARTH LOOP IMPEDANCE

## Main Protective Conductors

✓ tick box where applicable

Earthing Conductor:	Material: <u>CU</u> c.s.a: <u>16</u> mm <sup>2</sup> Connection(s) verified: <input checked="" type="checkbox"/>
Protective Bonding Conductors:	Material: <u>CU</u> c.s.a: <u>16</u> mm <sup>2</sup> Connection(s) verified: <input checked="" type="checkbox"/>

To: Water Installation Pipe  Gas Installation Pipe  Other Elements

Main Switch or Circuit-breaker Location: KITCHEN AREA  
 BS (EN), type and No. of poles: 2 Current rating: 100 A Fuse rating or setting: 100 Voltage rating: 240 V

Rated residual operating current I<sub>Δn</sub>: 0.11 mA Operating time at I<sub>Δn</sub>: 0.09 ms

## COMMENTS ON EXISTING INSTALLATION

NONE

## SCHEDULE(S)

THE ATTACHED SCHEDULES ARE PART OF THIS DOCUMENT AND THIS CERTIFICATE IS VALID ONLY WHEN THEY ARE ATTACHED TO IT.

No. of Schedules of Inspections attached: 1 No. of Schedules of Test Results attached: 1

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 BS 7671: 2008 (the IEE Wiring Regulations).

The recipient should receive the 'original' certificate and a duplicate should be retained by the contractor. In the event that you are the person ordering or acting on behalf of the owner, this certificate or a copy of it should be passed to the owner immediately. The 'original' certificate should be kept in a safe place and should be

shown to any person carrying out work on or inspecting this installation in the future.

For safety reasons this electrical installation needs to be re-inspected by a competent person at appropriate intervals. Under the section 'Next Inspection' of this certificate is stated the maximum time interval recommended before the next inspection.

The Construction (Design and Management) Regulations require for an installation covered by those Regulations, that a copy of this

certificate together with the relevant schedules of inspection and test results are included in the project health and safety documentation.

This certificate is only intended to be issued for a new installation or for new work carried out on or associated with the alteration or addition to an existing installation.