

DOMESTIC ELECTRICAL INSTALLATION CERTIFICATE [FOR A SINGLE DWELLING]



Details of the Client

Client and address
XXXXXXXXXX
XXXXXXXXXX
XXXXXXXXXX
PostCode XXXXX

Address of the Installation

Installation address
XXXXXXXXXX
XXXXXXXXXX
PostCode XXXXX

Details of the Installation

Extent of the installation work covered by this Certificate
CCU Replacement.
Complete rewire of all the circuits.
Upgrade of the main protective bonding conductors.

The installation is
New:
An Addition: N/A
An Alteration: N/A

Design, Construction, Inspection and Testing

I being the person(s) responsible for the design, construction and testing of the electrical installation (as indicated by my signature(s) adjacent), particulars of which are described above, having exercised reasonable skill and care when carrying out the design, construction, inspection and testing, hereby CERTIFY that the said work for which I have been responsible is, to the best of my knowledge and belief, in accordance with BS7671: 2008 amended to July 2011 (date) except for the departures, if any, detailed as follows:
Details of departures from BS 7671, as amended (Regulations 120.3, 133.5)
None.

The extent of liability of the signatory is limited to the work described above as the subject of this certificate For the DESIGN, the CONSTRUCTION and the INSPECTION AND TESTING of the installation

Signature XXXXXXXX Date 31/10/2014

The results of the Inspection and Testing reviewed by the Qualified Supervisor

Signature XXXXXXXX Date 31/10/2014

Particulars of the Electrical Contractor

Trading Title XXXXXXXX

Address
XXXXXXXXXX
XXXXXXXXXX
XXXXXXXXXX
PostCode XXXXX

NICEIC Enrolment Number XXXXXXXX Branch No.(if Applicable) 000

Next Inspection

φ Enter interval as appropriate
I RECOMMEND that this installation is further inspected and tested after an interval of not more than φ 5 Years or change of tenancy

Comments on Existing Installation

Note: Enter 'NONE' or, where appropriate, the page number(s) of additional page(s) of comments on the existing installation
None.

Schedule of Additional Records

1

Supply Characteristics

| System Type(s) | | Number and type of live conductors Tick boxes and enter details, as appropriate | | | | Nature of supply parameters <i>Notes(1) by enquiry (2) by enquiry or by measurement (3) where more than one supply, record the higher or highest values</i> | | | | Characteristics of primary supply overcurrent protective device(s) | | | | | | | |
|----------------|-------------------------------------|--|-------------------------------------|------------------|-----|--|---|--------------------------|-----|--|--------------|------|------------------------|--------------------------|-------------------------------------|------------------------|----|
| TN-S | <input checked="" type="checkbox"/> | 1-Phase (2 Wire) | <input checked="" type="checkbox"/> | 1-Phase (3 Wire) | N/A | Number of sources | 1 | Nominal Voltage(s) U (1) | N/A | V | Single-Phase | | BS(EN) | 88-2 Fuse HRC | | | |
| TN-C-S | N/A | 3-Phase (3 Wire) | N/A | 3-Phase (4 Wire) | N/A | | Nominal frequency f (1) | 50 | Hz | Prospective fault current, Ipf(2)(3) | | 1.54 | kA | Type | gG | | |
| TT | N/A | Other | N/A | | | | Nominal Voltage(s) U ₀ (1) | 230 | V | 3-Phase | | | Nominal Current rating | 100 | A | | |
| | | | | | | | External earth fault loop impedance, Ze (1) | 0.80 | Ω | Prospective fault current, Ipf (2)(3) | | N/A | kA | Confirmation of polarity | <input checked="" type="checkbox"/> | Short-Circuit Capacity | 80 |

Particulars of Installation at the Origin

| Means of Earthing | | | | Tick boxes and enter details, as appropriate | | | | Main Switch or Circuit Breaker | | | | | | | | | | | | | | | | | | |
|------------------------------|-------------------------------------|--------------------------|-----|---|----------------------------------|--|--------------------|--------------------------------|----------------|------|-----------------|--|-------------------------------------|-------------|-------------------------------|-----|-------------------------------------|------------------|-----|---------------------------|-----|-----------------------|----|----------------------------|-----|----|
| Distributor's facility | <input checked="" type="checkbox"/> | Type | N/A | Location | N/A | Protective measures for fault protection | ADS | Measured Ze | 0.15 | Ω | Type BS(EN) | 60947-3 | Voltage Rating | 230 | V | | | | | | | | | | | |
| Installation earth electrode | N/A | Electrode resistance, RA | N/A | Ω | Method of Measurement | N/A | | Maximum demand (Load) | 45 | Amps | No. of Poles | 2 | Current Rating, I | 100 | A | | | | | | | | | | | |
| Earthing Conductor | | | | Main protective bonding conductors of extraneous-conductive-parts | | | | Number of smoke alarms | | | | 0 | Supply conductors material | Copper | *RCD Operating current at IΔn | N/A | mA | | | | | | | | | |
| Conductor Material | Copper | Conductor csa | 16 | mm ² | Continuity / connection verified | <input checked="" type="checkbox"/> | Conductor Material | Copper | Conduct or csa | 10 | mm ² | Water Service | <input checked="" type="checkbox"/> | Oil Service | N/A | Gas | <input checked="" type="checkbox"/> | Structural Steel | N/A | Other incoming Service(s) | N/A | Supply conductors csa | 25 | *RCD Operating time at IΔn | N/A | ms |
| | | | | | | | | | | | | * applicable only where an RCD is used as a main circuit breaker | | | | | | | | | | | | | | |

Schedule of Items Inspected

| Protective measures against electric shock | | | Prevention of mutual detrimental influence | | | Cables and Conductors | | | General | | |
|--|-------------------------------------|---|--|-------------------------------------|---|-------------------------------------|-------------------------------------|--|-------------------------------------|-------------------------------------|--|
| <input type="checkbox"/> | N/A | SELV. | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Proximity of non-electrical services and other influences. | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | Selection of conductors for current carrying capacity and voltage drop. | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | Presence and correct location of appropriate devices for isolation and switching. |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | Insulation of live parts | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | Segregation of Band I and Band II circuits or Band II insulation used. | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | Erection methods. | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | Adequacy of access to switchgear and other equipment. |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | Presence of earthing conductor | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | Segregation of safety circuits. | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | Routing of cables in prescribed zones | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | Particular protective measures for special installations and locations. |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | Presence of main protective bonding conductors | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | Identification | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | Cables incorporating earthed armour or sheath or run in an earthed wiring system, or otherwise protected against nails, screws and the like. | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Connection of single-pole devices for protection or switching in line conductors only. |
| <input type="checkbox"/> | <input type="checkbox"/> | Presence of adequate arrangements for other source(s), where applicable | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | Presence of diagrams, instructions, circuit charts and similar information. | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | Additional protection by 30mA RCD(where required, in premises not under the supervision of skilled or instructed persons) | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | Correct connection of accessories and equipment. |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | Choice and settings of protective devices (for fault protection and/or overcurrent) | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | Presence of danger notices. | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | Connection of conductors. | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | Selection of equipment and protective measures appropriate to external influences. |
| <input type="checkbox"/> | <input type="checkbox"/> | Electrical separation for one item of current-using equipment | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | Presence of other warning notices, including presence of mixed wiring colours | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | Presence of fire barriers, suitable seals and protection against thermal effects. | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | Selection of appropriate functional switching devices. |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | Presence of residual current device(s) | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | Labelling of protective devices, switches and terminals. | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | |
| <input type="checkbox"/> | <input type="checkbox"/> | Presence of supplementary bonding conductors | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | Identification of conductors. | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | |

Schedule of Items Tested

| | | | | | | | |
|-------------------------------------|---|-------------------------------------|--|-------------------------------------|---------------------------------|-------------------------------------|--|
| <input checked="" type="checkbox"/> | External earth fault loop impedance, Ze | <input checked="" type="checkbox"/> | Continuity of ring final circuit conductors. | <input checked="" type="checkbox"/> | Polarity. | <input checked="" type="checkbox"/> | Operation of residual current device(s). |
| <input type="checkbox"/> | Installation earth electrode resistance, RA | <input checked="" type="checkbox"/> | Insulation resistance between live conductors. | <input checked="" type="checkbox"/> | Earth fault loop impedance, Zs. | <input checked="" type="checkbox"/> | Functional testing of assemblies. |
| <input checked="" type="checkbox"/> | Continuity of protective conductors. | <input checked="" type="checkbox"/> | Insulation resistance between live conductors and earth. | <input type="checkbox"/> | Verification of phase sequence | <input checked="" type="checkbox"/> | Verification of voltage drop. |

✓ to Indicate an Inspection has been carried out and the result was satisfactory

x to Indicate an Inspection has been carried out and the result was unsatisfactory

N/A indicates the inspection was not applicable to a particular item

ELECTRICAL INSTALLATION CERTIFICATE GUIDANCE NOTES FOR RECIPIENTS

This safety certificate has been issued to confirm that the electrical installation work to which it relates has been designed, constructed and inspected in accordance with British Standard 7671:2008 (as amended) (The IEE Wiring Regulations).

You should have received an 'original' Certificate and the contractor should have retained a duplicate Certificate. 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.

The "original" 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 and any schedules are included in the project health and safety documentation

For safety reasons, the electrical installation will need to be inspected at appropriate intervals by a competent person. 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 addition to an existing installation. It should not have been issued for the inspection of an existing electrical installation. An "Electrical Installation Conditioning Report" should be issued for such an inspection.

The certificate is only valid if a test result schedule including test results is appended.

These notes are based on those seen in Appendix 6 BS 7671:2008 (as amended)