

ETHOS

TRIED. TESTED. TRUSTED.

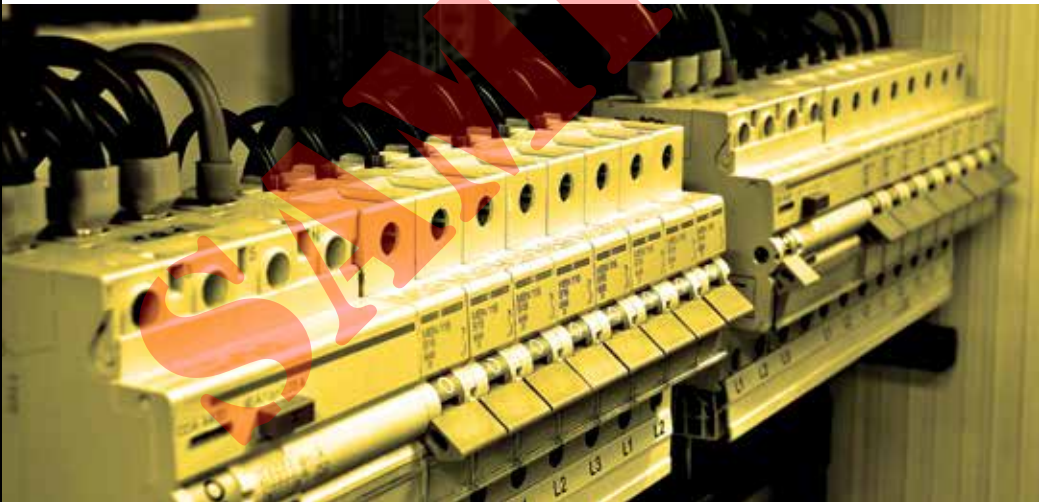
DOMESTIC ELECTRICAL INSTALLATION CERTIFICATES (PART P)

Conforms to the Wiring Regulations 17th Edition
BS 7671:2008 incorporating amendment 3:2015

**ETHOS
7977**

FOR CERTIFYING A NEW ELECTRICAL INSTALLATION IN A SINGLE
DWELLING DESIGNED, CONSTRUCTED AND INSPECTED &
TESTED BY ONE PERSON

THIS PAD OF CERTIFICATES INCLUDES SCHEDULES OF INSPECTIONS AND SCHEDULES OF
CIRCUIT DETAILS/TEST RESULTS.



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PART P - DOMESTIC ELECTRICAL INSTALLATION CERTIFICATE

For a single dwelling

CERT No.

Page 1 of

CLIENT NAME

CLIENT ADDRESS

INSTALLATION ADDRESS

Postcode:

Postcode:

DESCRIPTION AND EXTENT OF THE INSTALLATION tick box(es) as appropriate

New installation

Alteration to an existing installation

Extent of installation covered by this certificate:

FOR THE DESIGN, CONSTRUCTION, AND INSPECTION AND TESTING

I being the person responsible for the Design, Construction and Inspection and Testing of this electrical installation (as indicated by my signature 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 said work for which I have been responsible is to the best of my knowledge and belief in accordance with BS 7671: 2008 as amended (date) except for the departure(s), if any, details as follows:

Details of departure(s) from BS 7671 (see Regulations 120.3 and 133.5):

The extent of liability of the signatory is limited to the work described above as the subject of this certificate. For the design, construction and inspection and testing of the installation:

SIGNATURE

Name (BLOCK LETTERS)

DATE

SUPPLY CHARACTERISTICS AND EARTHING ARRANGEMENTS 1/2/3* Phase(s) 2/3/4* Wire No. of Supplies: ... Freq.: ... Hz U₀: ... V U_i: ... V Polarity Con.:

Fault current - measured (earth fault/short-circuit)

System Type: TN-S TT Means of Earthing: Installation earth electrode Distributor's facility Measured Z_e: Ω

Type of installation earth electrode, where applicable, (eg: rod): Electrode resistance (R_A): Ω

Location: Method of measurement:

MAIN PROTECTIVE CONDUCTORS Earthing Conductor: Material:

CSA:

mm²

Material:

mm²

Continuity and connection verified:

Main protective bonding conductor(s): Material:

CSA:

mm²

Material:

mm²

Continuity and connection verified:

Bonding of extraneous-conductive-parts (✓): Water installation pipes Gas installation pipes Other installation pipework and ducting (state):

PARTICULARS OF THE INSTALLATION Supply conductors material:

Supply conductors csa:

mm²

Supply conductors csa:

mm²

Maximum demand (load):

kVA/A*

MAIN SWITCH ARRANGEMENT Location:

Type BS (EV):

Voltage rating:

V

Current rating I_n:

A

If RCD main switch: RCD operating current I_{Δn}:

ms

Rated time delay:

ms

mA

Measured operating time I_{Δn}:

ms

Number of smoke alarms:

(Where a smoke alarm has been installed, separate certification is required on an appropriate form.)

PARTICULARS OF THE ELECTRICAL CONTRACTOR

TRADING TITLE

Scheme/Part P Registration No.:

ADDRESS

Postcode:

COMMENTS ON EXISTING INSTALLATION

In the case of an alteration or addition see Section 6B33

SCHEDULES OF INSPECTIONS & TEST RESULTS

The attached Schedule(s) of Inspections and Schedule(s) of Test Results are part of this document and this CERTIFICATE is valid only when they are attached to it.

NEXT INSPECTION

I recommend that this installation is further inspected and tested after an interval of not more than years/months*

This Certificate is based on the model forms shown in Appendix 6 of BS 7671

*Delete as appropriate

Signal International Ltd 6/2015

SCHEDULE OF INSPECTIONS (for NEW Work only)

Certificate No.

All boxes must be completed. A ✓ indicates that an inspection was carried out and that the result was satisfactory. An 'N/A' indicates that an inspection was not applicable to the particular installation or an item of equipment.

* For use in controlled/supervised conditions only; so not for general use.

Page 3 of

1.0 DISTRIBUTOR'S */ SUPPLY INTAKE EQUIPMENT

- | | |
|--|--|
| • Condition of service cable <input type="checkbox"/> | • Condition of meter tails - distributor's and consumer's <input type="checkbox"/> |
| • Condition of service head <input type="checkbox"/> | • Condition of metering equipment <input type="checkbox"/> |
| • Condition of distributor's earthing arrangement <input type="checkbox"/> | • Condition of isolator (where present) <input type="checkbox"/> |

* The Distributor should be notified of any unsatisfactory equipment

2.0 PARALLEL OR SWITCHED ALTERNATIVE SOURCES OF SUPPLY

- | | |
|---|---|
| • Presence of adequate arrangements where generator to operate as a switched alternative (551.6) | iv) Means to prevent connection of generator in the event of loss of public supply system or voltage or frequency deviation beyond declared values <input type="checkbox"/> |
| i) Dedicated earthing arrangement that is independent of the public supply <input type="checkbox"/> | v) Means to isolate generator from the public supply system <input type="checkbox"/> |
| • Presence of adequate arrangements where generator to operate in parallel with the public supply system (551.7) | • Presence of warning notices for alternative/additional sources of supply at: |
| i) Correct connection of generator in parallel <input type="checkbox"/> | i) The origin of the installation <input type="checkbox"/> |
| ii) Compatibility of characteristics of means of generation <input type="checkbox"/> | ii) The meter position, where remote from the origin <input type="checkbox"/> |
| iii) Means to provide automatic disconnection of generator in the event of loss of public supply system or voltage or frequency deviation beyond declared values <input type="checkbox"/> | iii) The consumer unit/distribution board to which the alternative/additional sources of supply are connected <input type="checkbox"/> |
| | iv) All points of isolation of all sources of supply <input type="checkbox"/> |

3.0 AUTOMATIC DISCONNECTION OF SUPPLY

- | | |
|---|---|
| • Presence and adequacy of protective earthing and protective bonding arrangements (411.3; Chap 54) | • Accessibility of: |
| i) Distributor's earthing arrangement, or installation earth electrode arrangement <input type="checkbox"/> | i) Earthing conductor connections <input type="checkbox"/> |
| ii) Earthing conductor and connections <input type="checkbox"/> | ii) All protective bonding connections <input type="checkbox"/> |
| iii) Main protective bonding conductor(s) and connection(s) <input type="checkbox"/> | • Functional extra-low voltage (FELV) – requirements satisfied (411.7) <input type="checkbox"/> |
| iv) Earthing/bonding labels are correct and present at all appropriate locations <input type="checkbox"/> | • Reduced low voltage (RLV) – requirements satisfied(411.8) <input type="checkbox"/> |

4.0 BASIC PROTECTION

- | | |
|--|--|
| • Presence and adequacy of protective measures to provide basic protection - for prevention of contact with live parts (Sec 416 & 417) | iii) Obstacles* <input type="checkbox"/> |
| i) Insulation of live parts <input type="checkbox"/> | iv) Placing out of reach* <input type="checkbox"/> |
| ii) Barriers or enclosures <input type="checkbox"/> | |

5.0 ADDITIONAL PROTECTION

- | | |
|---|--|
| • The presence and effectiveness of additional protection methods (Sec 415) | |
| i) Residual current device(s) not exceeding 30 mA operating current - see information in item B of this schedule for more detail <input type="checkbox"/> | ii) Supplementary equipotential bonding <input type="checkbox"/> |

6.0 OTHER METHODS OF PROTECTION

Where used, indicate presence and effectiveness of other methods of protection against electric shock, stating location:

- | | |
|---|---|
| • Basic and fault protection | • Fault protection |
| i) SELV <input type="checkbox"/> | i) Electrical separation for one item of equipment <input type="checkbox"/> |
| ii) PELV <input type="checkbox"/> | ii) Non-conducting location*/Earth-free local equipotential bonding* <input type="checkbox"/> |
| iii) Double insulation/
Reinforced insulation <input type="checkbox"/> | iii) Electrical separation for more than one item of equipment* <input type="checkbox"/> |

7.0 DISTRIBUTION EQUIPMENT

- | | |
|--|--|
| • Adequacy of working space and accessibility <input type="checkbox"/> | • Confirmation of indication that SPD is functional <input type="checkbox"/> |
| • Securely fixed <input type="checkbox"/> | • Presence of legible diagrams, charts or equivalent forms of information (e.g. schedules) at or near each distribution board, where required <input type="checkbox"/> |
| • Insulation of live parts not damaged during erection <input type="checkbox"/> | • Presence of RCD quarterly test notice at or near the origin <input type="checkbox"/> |
| • Adequacy and security of barriers <input type="checkbox"/> | • Presence of non-standard (mixed) cable colour warning notice at or near the appropriate distribution board, where required <input type="checkbox"/> |
| • Suitability of enclosures for IP and fire ratings <input type="checkbox"/> | • Presence of periodic/next inspection and test recommendation label <input type="checkbox"/> |
| • Enclosures not damaged during installation <input type="checkbox"/> | • Presence of other required labelling (e.g. purpose of switchgear) <input type="checkbox"/> |
| • Presence and effectiveness of obstacles <input type="checkbox"/> | • Selection of protective device(s) and base(s); correct type and rating <input type="checkbox"/> |
| • Presence of main switch(es), linked where required <input type="checkbox"/> | • Single-pole control and protective device(s) in line conductor only <input type="checkbox"/> |
| • Operation of main switch(es) (functional check) <input type="checkbox"/> | • Protection against mechanical damage where cables enter equipment <input type="checkbox"/> |
| • Operation of circuit-breakers and RCDs, inc. test button (functional check) <input type="checkbox"/> | • Protection against electromagnetic (heating) effects where cables enter ferromagnetic enclosure(s) <input type="checkbox"/> |
| • RCD(s) provided for fault protection, where specified <input type="checkbox"/> | • Confirmation that all conductor connections, including connections to busbars, are correctly located in terminals and are tight and secure <input type="checkbox"/> |
| • RCD(s) provided for additional protection, where specified <input type="checkbox"/> | |
| • RCD(s) provided for protection against fire, where specified <input type="checkbox"/> | |
| • Confirmation overvoltage protection (SPDs) provided, where specified <input type="checkbox"/> | |

8.0 CIRCUITS

- | | |
|---|---|
| • Conductors correctly identified by colour, lettering or numbering <input type="checkbox"/> | • Examination of cables for signs of mechanical damage during installation <input type="checkbox"/> |
| • Cable(s) correctly erected and supported throughout their length, including escape routes - with protection against abrasion <input type="checkbox"/> | • Examination of insulation of live parts, not damaged during erection <input type="checkbox"/> |

SCHEDULE OF INSPECTIONS (for NEW Work only)

Certificate No.

All boxes must be completed. A ✓ indicates that an inspection was carried out and that the result was satisfactory. An 'N/A' indicates that an inspection was not applicable to the particular installation or an item of equipment.

* For use in controlled/supervised conditions only; so not for general use.

Page 3 of

1.0 DISTRIBUTOR'S */ SUPPLY INTAKE EQUIPMENT

- | | |
|--|---|
| <ul style="list-style-type: none"> ● Condition of service cable <input style="width: 30px; height: 20px;" type="checkbox"/> ● Condition of service head <input style="width: 30px; height: 20px;" type="checkbox"/> ● Condition of distributor's earthing arrangement <input style="width: 30px; height: 20px;" type="checkbox"/> | <ul style="list-style-type: none"> ● Condition of meter tails - distributor's and consumer's <input style="width: 30px; height: 20px;" type="checkbox"/> ● Condition of metering equipment <input style="width: 30px; height: 20px;" type="checkbox"/> ● Condition of isolator (where present) <input style="width: 30px; height: 20px;" type="checkbox"/> |
|--|---|

* The Distributor should be notified of any unsatisfactory equipment

2.0 PARALLEL OR SWITCHED ALTERNATIVE SOURCES OF SUPPLY

- | | |
|---|---|
| <ul style="list-style-type: none"> ● Presence of adequate arrangements where generator to operate as a switched alternative (551.6) <ul style="list-style-type: none"> i) Dedicated earthing arrangement that is independent of the public supply <input style="width: 30px; height: 20px;" type="checkbox"/> ● Presence of adequate arrangements where generator to operate in parallel with the public supply system (551.7) <ul style="list-style-type: none"> i) Correct connection of generator in parallel <input style="width: 30px; height: 20px;" type="checkbox"/> ii) Compatibility of characteristics of means of generation <input style="width: 30px; height: 20px;" type="checkbox"/> iii) Means to provide automatic disconnection of generator in the event of loss of public supply system or voltage or frequency deviation beyond declared values <input style="width: 30px; height: 20px;" type="checkbox"/> | <ul style="list-style-type: none"> iv) Means to prevent connection of generator in the event of loss of public supply system or voltage or frequency deviation beyond declared values <input style="width: 30px; height: 20px;" type="checkbox"/> v) Means to isolate generator from the public supply system <input style="width: 30px; height: 20px;" type="checkbox"/> ● Presence of warning notices for alternative/additional sources of supply at: <ul style="list-style-type: none"> i) The origin of the installation <input style="width: 30px; height: 20px;" type="checkbox"/> ii) The meter position, where remote from the origin <input style="width: 30px; height: 20px;" type="checkbox"/> iii) The consumer unit/distribution board to which the alternative/additional sources of supply are connected <input style="width: 30px; height: 20px;" type="checkbox"/> iv) All points of isolation of all sources of supply <input style="width: 30px; height: 20px;" type="checkbox"/> |
|---|---|

3.0 AUTOMATIC DISCONNECTION OF SUPPLY

- | | |
|--|---|
| <ul style="list-style-type: none"> ● Presence and adequacy of protective earthing and protective bonding arrangements (411.3; Chap 54) <ul style="list-style-type: none"> i) Distributor's earthing arrangement, or installation earth electrode arrangement <input style="width: 30px; height: 20px;" type="checkbox"/> ii) Earthing conductor and connections <input style="width: 30px; height: 20px;" type="checkbox"/> iii) Main protective bonding conductor(s) and connection(s) <input style="width: 30px; height: 20px;" type="checkbox"/> iv) Earthing/bonding labels are correct and present at all appropriate locations <input style="width: 30px; height: 20px;" type="checkbox"/> | <ul style="list-style-type: none"> ● Accessibility of: <ul style="list-style-type: none"> i) Earthing conductor connections <input style="width: 30px; height: 20px;" type="checkbox"/> ii) All protective bonding connections <input style="width: 30px; height: 20px;" type="checkbox"/> ● Functional extra-low voltage (FELV) – requirements satisfied (411.7) <input style="width: 30px; height: 20px;" type="checkbox"/> ● Reduced low voltage (RLV) – requirements satisfied(411.8) <input style="width: 30px; height: 20px;" type="checkbox"/> |
|--|---|

4.0 BASIC PROTECTION

- | | |
|---|--|
| <ul style="list-style-type: none"> ● Presence and adequacy of protective measures to provide basic protection - for prevention of contact with live parts (Sec 416 & 417) <ul style="list-style-type: none"> i) Insulation of live parts <input style="width: 30px; height: 20px;" type="checkbox"/> ii) Barriers or enclosures <input style="width: 30px; height: 20px;" type="checkbox"/> | <ul style="list-style-type: none"> iii) Obstacles* <input style="width: 30px; height: 20px;" type="checkbox"/> iv) Placing out of reach* <input style="width: 30px; height: 20px;" type="checkbox"/> |
|---|--|

5.0 ADDITIONAL PROTECTION

- | | |
|---|---|
| <ul style="list-style-type: none"> ● The presence and effectiveness of additional protection methods (Sec 415) <ul style="list-style-type: none"> i) Residual current device(s) not exceeding 30 mA operating current - see information in item B of this schedule for more detail <input style="width: 30px; height: 20px;" type="checkbox"/> | <ul style="list-style-type: none"> ii) Supplementary equipotential bonding <input style="width: 30px; height: 20px;" type="checkbox"/> |
|---|---|

6.0 OTHER METHODS OF PROTECTION

Where used, indicate presence and effectiveness of other methods of protection against electric shock, stating location:

- | | |
|--|---|
| <ul style="list-style-type: none"> ● Basic and fault protection <ul style="list-style-type: none"> i) SELV <input style="width: 30px; height: 20px;" type="checkbox"/> ii) PELV <input style="width: 30px; height: 20px;" type="checkbox"/> iii) Double insulation/ Reinforced insulation <input style="width: 30px; height: 20px;" type="checkbox"/> | <ul style="list-style-type: none"> ● Fault protection <ul style="list-style-type: none"> i) Electrical separation for one item of equipment <input style="width: 30px; height: 20px;" type="checkbox"/> ii) Non-conducting location*/Earth-free local equipotential bonding* <input style="width: 30px; height: 20px;" type="checkbox"/> iii) Electrical separation for more than one item of equipment* <input style="width: 30px; height: 20px;" type="checkbox"/> |
|--|---|

7.0 DISTRIBUTION EQUIPMENT

- | | |
|---|--|
| <ul style="list-style-type: none"> ● Adequacy of working space and accessibility <input style="width: 30px; height: 20px;" type="checkbox"/> ● Securely fixed <input style="width: 30px; height: 20px;" type="checkbox"/> ● Insulation of live parts not damaged during erection <input style="width: 30px; height: 20px;" type="checkbox"/> ● Adequacy and security of barriers <input style="width: 30px; height: 20px;" type="checkbox"/> ● Suitability of enclosures for IP and fire ratings <input style="width: 30px; height: 20px;" type="checkbox"/> ● Enclosures not damaged during installation <input style="width: 30px; height: 20px;" type="checkbox"/> ● Presence and effectiveness of obstacles <input style="width: 30px; height: 20px;" type="checkbox"/> ● Presence of main switch(es), linked where required <input style="width: 30px; height: 20px;" type="checkbox"/> ● Operation of main switch(es) (functional check) <input style="width: 30px; height: 20px;" type="checkbox"/> ● Operation of circuit-breakers and RCDs, inc. test button (functional check) <input style="width: 30px; height: 20px;" type="checkbox"/> ● RCD(s) provided for fault protection, where specified <input style="width: 30px; height: 20px;" type="checkbox"/> ● RCD(s) provided for additional protection, where specified <input style="width: 30px; height: 20px;" type="checkbox"/> ● RCD(s) provided for protection against fire, where specified <input style="width: 30px; height: 20px;" type="checkbox"/> ● Confirmation overvoltage protection (SPDs) provided, where specified <input style="width: 30px; height: 20px;" type="checkbox"/> | <ul style="list-style-type: none"> ● Confirmation of indication that SPD is functional <input style="width: 30px; height: 20px;" type="checkbox"/> ● Presence of legible diagrams, charts or equivalent forms of information (e.g. schedules) at or near each distribution board, where required <input style="width: 30px; height: 20px;" type="checkbox"/> ● Presence of RCD quarterly test notice at or near the origin <input style="width: 30px; height: 20px;" type="checkbox"/> ● Presence of non-standard (mixed) cable colour warning notice at or near the appropriate distribution board, where required <input style="width: 30px; height: 20px;" type="checkbox"/> ● Presence of periodic/next inspection and test recommendation label <input style="width: 30px; height: 20px;" type="checkbox"/> ● Presence of other required labelling (e.g. purpose of switchgear) <input style="width: 30px; height: 20px;" type="checkbox"/> ● Selection of protective device(s) and base(s); correct type and rating <input style="width: 30px; height: 20px;" type="checkbox"/> ● Single-pole control and protective device(s) in line conductor only <input style="width: 30px; height: 20px;" type="checkbox"/> ● Protection against mechanical damage where cables enter equipment <input style="width: 30px; height: 20px;" type="checkbox"/> ● Protection against electromagnetic (heating) effects where cables enter ferromagnetic enclosure(s) <input style="width: 30px; height: 20px;" type="checkbox"/> ● Confirmation that all conductor connections, including connections to busbars, are correctly located in terminals and are tight and secure <input style="width: 30px; height: 20px;" type="checkbox"/> |
|---|--|

8.0 CIRCUITS

- | | |
|---|--|
| <ul style="list-style-type: none"> ● Conductors correctly identified by colour, lettering or numbering <input style="width: 30px; height: 20px;" type="checkbox"/> ● Cable(s) correctly erected and supported throughout their length, including escape routes - with protection against abrasion <input style="width: 30px; height: 20px;" type="checkbox"/> | <ul style="list-style-type: none"> ● Examination of cables for signs of mechanical damage during installation <input style="width: 30px; height: 20px;" type="checkbox"/> ● Examination of insulation of live parts, not damaged during erection <input style="width: 30px; height: 20px;" type="checkbox"/> |
|---|--|