



APPROVED CONTRACTOR

Block of flats (20-25)

This certificate is not valid if the serial number has been defaced or altered

ICN2/0091759

ELECTRICAL INSTALLATION CERTIFICATE

Issued in accordance with British Standard 7671 - Requirements for Electrical Installations by an Approved Contractor or Conforming Body enrolled with NICEIC, Warwick House, Houghton Hall Park, Houghton Regis, Dunstable, LU5 5ZX

Original (To the person ordering the work)

DETAILS OF THE CLIENT
Client / Address: BROUGHTON GRANGE RESIDENTS ASSOCIATION

DETAILS OF THE INSTALLATION
Address: BROUGHTON GRANGE WINDSOR RD, SWINDON.
Extent of the installation covered by this certificate: Install 4 way Distribution Board to supply double socket in entrance to flats

DESIGN
I/We, being the person(s) responsible for the design of the electrical installation...
Details of departures from BS 7671, as amended (Regulations 120.3, 120.4):
The extent of liability of the signatory/signatories is limited to the work described above as the subject of this certificate.

CONSTRUCTION
I/We, being the person(s) responsible for the construction of the electrical installation...
Details of departures from BS 7671, as amended (Regulations 120.3, 120.4):
The extent of liability of the signatory is limited to the work described above as the subject of this certificate.

INSPECTION AND TESTING
I/We, being the person(s) responsible for the inspection and testing of the electrical installation...
Details of departures from BS 7671, as amended (Regulations 120.3, 120.4):
The extent of liability of the signatory/signatories is limited to the work described above as the subject of this certificate.

DESIGN, CONSTRUCTION, INSPECTION AND TESTING *
I, being the person responsible for the design, construction, inspection and testing of the electrical installation...
Details of departures from BS 7671, as amended (Regulations 120.3, 120.4):
The extent of liability of the signatory is limited to the work described above as the subject of this certificate.

† Where the inspection and testing have been carried out by an Approved Contractor, the inspection and testing results are to be reviewed by the registered Qualified Supervisor.
†† Where the design, the construction, and the inspection and testing have been the responsibility of one person, the inspection and testing results are to be reviewed by the registered Qualified Supervisor.

Please see the 'Notes for Recipients on the reverse of this page.

PARTICULARS OF THE ORGANISATION(S) RESPONSIBLE FOR THE ELECTRICAL INSTALLATION

DESIGN (1)	Organisation †				
Address:				NICEIC Enrolment No (where appropriate)	
			Postcode	Branch number: (if applicable)	
DESIGN (2)	Organisation †				
Address:				NICEIC Enrolment No (where appropriate)	
			Postcode	Branch number: (if applicable)	
CONSTRUCTION	Organisation	Alexandre Electrical Services			
Address:		1 Fulwulth Grove		NICEIC Enrolment No (Essential information)	027139
			Postcode	Branch number: (if applicable)	
			SN31ET		
INSPECTION AND TESTING	Organisation †				
Address:				NICEIC Enrolment No (where appropriate)	
			Postcode	Branch number: (if applicable)	

SUPPLY CHARACTERISTICS AND EARTHING ARRANGEMENTS

Tick boxes and enter details, as appropriate

System Type(s)	Number and Type of Live Conductors	Nature of Supply Parameters			Characteristics of Primary Supply Overcurrent Protective Device(s)
TN-S	a.c. <input checked="" type="checkbox"/> d.c.	Nominal voltage(s), $U^{(1)}$	V	$U_0^{(1)}$	BS(EN)
TN-C-S <input checked="" type="checkbox"/>	1-phase (2 wire) <input checked="" type="checkbox"/> 1-phase (3 wire)	Nominal frequency, $f^{(1)}$	50 Hz	230 V	1361
TN-C	2-phase (3 wire)	Prospective fault current, $I_{pf}^{(2)(3)}$	1.3 kA	Notes: (1) by enquiry (2) by enquiry or by measurement (3) where more than one supply, record the higher or highest values	Type
TT	3-phase (3 wire) 3-phase (4 wire)	External earth fault loop impedance, $Z_e^{(2)(3)}$	0.21 Ω		Rated current
IT	Other Please state	Number of supplies	1		100 A
					Short-circuit capacity
					33 kA

PARTICULARS OF INSTALLATION AT THE ORIGIN

Tick boxes and enter details, as appropriate

Means of Earthing	Details of Installation Earth Electrode (where applicable)		
Distributor's facility: <input checked="" type="checkbox"/>	Type: (eg rod(s), tape etc)	Location:	
Installation earth electrode:	Electrode resistance, R_A : Ω	Method of measurement:	
Main Switch or Circuit-Breaker	Maximum Demand (Load): 3	kVA / Amps: <input checked="" type="checkbox"/>	Protective measures against electric shock: ADS
Type: BS(EN) 61008	Voltage rating: 230 V	Earthing and Protective Bonding Conductors	
No of Poles: 2	Rated current, I_n : 100 A	Main protective bonding conductors	Bonding of extraneous-conductive-parts (✓)
Supply conductors material: Cu	RCD operating current, $I_{\Delta n}$: 30 mA	Conductor material: <input checked="" type="checkbox"/>	Water service Gas service
Supply conductors csa: 25 mm ²	RCD operating time (at $I_{\Delta n}$): 28 ms	Conductor csa: 16 mm ²	Oil service Structural steel
		Continuity check: <input checked="" type="checkbox"/>	Lightning protection Other incoming services(s)

COMMENTS ON EXISTING INSTALLATION

In the case of an alteration or additions see Section 633

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

NEXT INSPECTION

§ Enter interval in terms of years, months or weeks, as appropriate

I/We, the designer(s), RECOMMEND that this installation is further inspected and tested after an interval of not more than

5 YEARS

† Where the Approved Contractor responsible for the construction of the electrical installation has also been responsible for the design and the inspection and testing of that installation, the 'Particulars of the Organisation responsible for the Electrical Installation' may be recorded only in the section entitled 'CONSTRUCTION'.

‡ Where a number of sources are available to supply the installation, and where the data given for the primary source may differ from other sources, a separate sheet must be provided which identifies the relevant information relating to each additional source.

SCHEDULE OF ITEMS INSPECTED † See note below

PROTECTIVE MEASURES AGAINST ELECTRIC SHOCK

Basic and fault protection

Extra low voltage

NA SELV NA PELV

Double or reinforced insulation

NA Double or Reinforced Insulation

Basic protection

✓ Insulation of live parts ✓ Barriers or enclosures
 NA Obstacles ** NA Placing out of reach **

Fault protection

Automatic disconnection of supply

✓ Presence of earthing conductor
 ✓ Presence of circuit protective conductors
 ✓ Presence of main protective bonding conductors
 NA Presence of earthing arrangements for combined protective and functional purposes
 NA Presence of adequate arrangements for alternative source(s), where applicable
 NA FELV
 ✓ Choice and setting of protective and monitoring devices (for fault protection and/or overcurrent protection)

Non-conducting location **

NA Absence of protective conductors

Earth-free equipotential bonding **

NA Presence of earth-free equipotential bonding

Electrical separation

NA For one item of current using equipment
 NA For more than one item of current using equipment **

Additional protection

✓ Presence of residual current device(s)
 NA Presence of supplementary bonding conductors

** For use in controlled supervised/conditions only

Prevention of mutual detrimental influence

✓ Proximity of non-electrical services and other influences
 NA Segregation of Band I and Band II circuits or Band II insulation used
 NA Segregation of Safety Circuits

Identification

✓ Presence of diagrams, instructions, circuit charts and similar information
 ✓ Presence of danger notices and other warning notices
 ✓ Labelling of protective devices, switches and terminals
 ✓ Identification of conductors

Cables and Conductors

✓ Selection of conductors for current carrying capacity and voltage drop
 NA Erection methods
 NA Routing of cables in prescribed zones
 NA Cables incorporating earthed armour or sheath or run in an earthed wiring system, or otherwise protected against nails, screws and the like
 NA Additional protection by 30mA RCD for cables concealed in walls (where required, in premises not under the supervision of skilled or instructed persons)
 ✓ Connection of conductors
 NA Presence of fire barriers, suitable seals and protection against thermal effects

General

✓ Presence and correct location of appropriate devices for isolation and switching
 ✓ Adequacy of access to switchgear and other equipment
 NA Particular protective measures for special installations and locations
 NA Connection of single-pole devices for protection or switching in line conductors only
 ✓ Correct connection of accessories and equipment
 NA Presence of undervoltage protective devices
 ✓ Selection of equipment and protective measures appropriate to external influences
 ✓ Selection of appropriate functional switching devices

SCHEDULE OF ITEMS TESTED † See note below

✓ External earth fault loop impedance, Z_e
 NA Installation earth electrode resistance, R_A
 ✓ Continuity of protective conductors
 NA Continuity of ring final circuit conductors
 ✓ Insulation resistance between live conductors
 ✓ Insulation resistance between live conductors and Earth
 NA Protection by separation of circuits

NA Basic protection by barrier or enclosure provided during erection
 NA Insulation of non-conducting floors or walls
 ✓ Polarity
 ✓ Earth fault loop impedance, Z_s
 NA Verification of phase sequence
 ✓ Operation of residual current devices
 ✓ Functional testing of assemblies
 ✓ Verification of voltage drop

SCHEDULE OF ADDITIONAL RECORDS* (See attached schedule)

Note: Additional page(s) must be identified by the Electrical Installation Certificate serial number and page number(s).

Page No(s)

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

* Where the electrical work to which this certificate relates includes the installation of a fire alarm system and/or an emergency lighting system (or a part of such systems), this electrical safety certificate should be accompanied by the particular certificate(s) for the system(s).



