

Option to auto display your company letter head here

ELECTRICAL INSTALLATION CERTIFICATE		Up to 100A Supply	CERTIFICATE NUMBER
REQUIREMENTS FOR ELECTRICAL INSTALLATIONS - BS 7671 :2018			EIC
DETAILS OF THE ELECTRICAL CONTRACTOR		CLIENT DETAILS	
Trading Title and Address		Name and Address of client	
Postcode		Postcode	
Tel No		Tel No	
INSTALLATION ADDRESS			
Installation Address			
Postcode			
Tel No			
INSTALLATION DETAILS			Date Works completed:
Description and extent of installation covered by this certificate			The Installation is:
			New installation
			An Addition
			An Alteration
Where necessary, continue on a separate numbered page: page No(s)			Replacement of a consumer unit
FOR DESIGN, CONSTRUCTION, INSPECTING AND TESTING			
I/We being the person(s) responsible for the design, construction, inspection and testing of the electrical installation (as indicated by my/our signature below), 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/we have been responsible is to the best of my knowledge and belief in accordance with BS7671: 2018 amended to (date) except for the departures, if any, detailed as follows:		The extent of the 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:	
Details of departures from BS 7671, as amended (Regulations 120.3, 133.1.3 and 133.5):		Signature	Name
			Date
Details of permitted exceptions (Regulation 411.3.3)		The results of the inspection and testing reviewed by the Qualified Supervisor	
		Signature	Date
Where applicable, a suitable risk assessment(s) must be attached to this certificate: Risk assessment attached: <input type="checkbox"/>		NEXT INSPECTION Enter interval in terms of years, months or weeks, as appropriate.	
		I/We recommend that this installation is further inspected and tested after an interval of not more than: <input type="text"/> *	
		COMMENTS ON EXISTING INSTALLATION (In case if an addition or alteration - see Regulation 644.1.2)	
SCHEDULE(S)			
Page no(s)	Inspection Schedule	Page no(s)	Schedule(s) of circuit and test results
		The attached Schedules are part of this document and this certificate is valid only when they are attached to it.	

SUPPLY CHARACTERISTICS AND EARTHING ARRANGEMENTS

CERTIFICATE NUMBER

** Where the installation is supplied by more than one source, the higher or highest values of prospective fault current, I_{pf} , and external fault loop impedance, Z_e , must be recorded.

Earthing arrangements		Number and Type of Live Conductors				Nature of Supply Parameters				EIC	Supply Protective Device	
TN-S	Other sources of supply (as detailed on attached schedule)	1-phase, 2-wire	2-phase, 3-wire	-	Nominal voltage, U/U ₀	230	V	Nominal Frequency	50	Hz	BS (EN)	
TN-C-S		3 phase, 3-wire	3-phase, 4-wire	-		Confirmation of supply polarity	External earth fault loop impedance, $Z_e^{(2)}$ **			Ω	Type	
TT		-	State Other	-			Prospective fault current, $I_{pf}^{(2)}$ **		kA	Rated current		A

PARTICULARS OF THE INSTALLATION REFERRED TO IN THIS CERTIFICATE

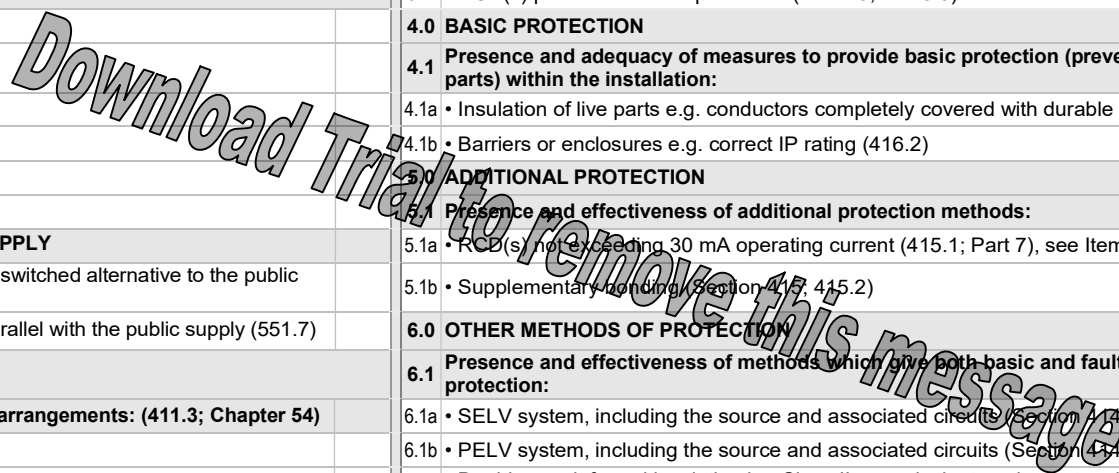
Mean of Earthing	Details of Installation Earth Electrode (Where applicable)				Maximum demand (load)		kVA	Main Switch / Switch-Fuse / Circuit-breaker RCD		Voltage rating	230	V
Distributor's Facility	Type (e.g rods, tape etc)	-	Location	-	(Select as appropriate)			No of poles		Current rating		A
Installation earth electrode	Electrode resistance to earth R_A	-	Ω		Location					Fuse/device rating or setting		A
Main protective conductors				Main Protective Bonding Connections				If RCD Main Switch:				
Earthing Conductor	Material	Copper	csa	mm ²	Connection / continuity verified	Water installation pipes	Oil installation pipes	Rated residual operating current $I_{\Delta n}$ =				mA
	Main protective bonding conductors	Material	Copper	csa	mm ²	Connection / continuity verified	Gas installation pipes	Structural steel	Rated time delay			ms
							Lightning Protection	Other incoming service(s)	State Details	Measured operating time		

SCHEDULE OF INSPECTION All boxes must be completed "✓" indicates that an inspection was carried out and that the result was **satisfactory** "N/A" indicates that that an inspection was **not applicable** to a particular item

1.0 External condition of intake equipment (visual inspection only) (An "X" indicates inadequacies identified with the intake equipment and it is recommended the person ordering the certificate informs the appropriate authority.)	3.1e • Provision of safety electrical earthing / bonding labels at all appropriate locations (514.13)	
1.1 Service cable	3.1f • RCD(s) provided for fault protection (411.4.9; 411.5.3)	
1.2 Service head	4.0 BASIC PROTECTION	
1.3 Earthing arrangement	4.1 Presence and adequacy of measures to provide basic protection (prevention of contact with live parts) within the installation:	
1.4 Meter tails	4.1a • Insulation of live parts e.g. conductors completely covered with durable insulating material (416.1)	
1.5 Metering equipment	4.1b • Barriers or enclosures e.g. correct IP rating (416.2)	
1.6 Isolator (where present)	5.0 ADDITIONAL PROTECTION	
2.0 PARALLEL OR SWITCHED ALTERNATIVE SOURCES OF SUPPLY	5.1 Presence and effectiveness of additional protection methods:	
2.1 Adequate arrangements where a generating set operates as a switched alternative to the public supply (551.6)	5.1a • RCD(s) not exceeding 30 mA operating current (415.1; Part 7), see Item 8.14 of this schedule	
2.2 Adequate arrangements where a generating set operates in parallel with the public supply (551.7)	5.1b • Supplementary bonding (Section 415.2)	
3.0 AUTOMATIC DISCONNECTION OF SUPPLY	6.0 OTHER METHODS OF PROTECTION	
3.1 Presence and adequacy of earthing and protective bonding arrangements: (411.3; Chapter 54)	6.1 Presence and effectiveness of methods which give both basic and fault protection:	Source and associated circuit details
3.1a • Distributor's earthing arrangement (542.1.2.1; 542.1.2.2)	6.1a • SELV system, including the source and associated circuits (Section 414)	
3.1b • Installation earth electrode (where applicable) (542.1.2.3)	6.1b • PELV system, including the source and associated circuits (Section 414)	
3.1c • Earthing conductor and connections, including accessibility (Section 526; 542.3; 543.3.2; 543.1.1)	6.1c • Double or reinforced insulation i.e. Class II or equivalent equipment and associated circuits (Section 412)	
3.1d • Main protective bonding conductors and connections, including accessibility (411.3.1.2; 543.3.2)	6.1d • Electrical separation for one item of equipment e.g. shaver supply unit (Section 413)	

Note: This form is suitable for many types of smaller installation, not exclusively domestic

All items inspected in order to confirm, as appropriate, compliance with the relevant clauses in BS 7671. The list of item and associated examples where given are not exhaustive.



SCHEDULE OF INSPECTION

EIC

7.0 CONSUMER UNIT(S) / DISTRIBUTION BOARD(S):		
7.1	Adequacy of access and working space for items of electrical equipment including switchgear (132.12)	8.12 Single-pole devices for switching or protection in line conductors only (132.14.1; 530.3.2; 643.6)
7.2	Components are suitable according to assembly manufacturer's instructions or literature (536.4.203)	8.13 Accessories not damaged, securely fixed, correctly connected, suitable for external influences (134.1.1; 512.2; Section 526)
7.3	Presence of linked main switch(es) (462.1.201)	8.14 Provision of additional protection by RCD not exceeding 30mA:
7.4	Isolators, for every circuit or group of circuits and all items of equipment (462.2)	8.14a • Socket-outlets rated at 20 A or less, unless exempt (411.3.3)
7.5	Suitability of enclosure(s) for IP and fire ratings (416.2; 421.1.6; 421.1.201; 526.5)	8.14b • Supplies for mobile equipment with a current rating not exceeding 32 A for use outdoors (411.3.3)
7.6	Protection against mechanical damage where cables enter equipment (522.8.1; 522.8.5, 522.8.11)	8.14c • Cables concealed in walls at a depth of less than 50mm (522.6.202; 522.6.203)
7.7	Confirmation that ALL conductor connections are correctly located in terminals and are tight and secure (526.1)	8.14d • Cables concealed in walls / partitions containing metal parts regardless of depth (522.6.202; 522.6.203)
7.8	Avoidance of heating effects where cables enter ferromagnetic enclosures e.g. steel (521.5.1)	8.14e • Final circuits supplying luminaires with domestic (household) premises (411.3.4)
7.9	Selection of correct type and ratings of circuit protective devices for overcurrent and fault protection (411.3.2; 411.4, .5, .6; Sections 432, 433; 434)	8.15 Presence of appropriate devices for isolation and switching correctly located including:
7.10 Presence of appropriate circuit charts, warning and other notices:		8.15a • Means of switching off for mechanical maintenance (Section 464; 537.3.2)
7.11	• Provision of circuit charts/schedules or equivalent forms of information (514.9.1)	8.15b • Emergency switching (465.1; 537.3.3)
7.11a	• Warning notice of method of isolation where live parts not capable of being isolated by a single device (514.11)	8.15c • Functional switches, for control of parts of the installation and current-using equipment (463.1; 537.3.1)
7.11b	• Periodic inspection and testing notice (514.12.1)	8.15d • Firefighter's switches (537.4)
7.11c	• RCD quarterly test notice; where required (514.12.2)	9.0 CURRENT-USING EQUIPMENT (PERMANENTLY CONNECTED)
7.11d	• AFDD six monthly test notice; where required	9.1 Equipment not damaged, securely fixed and suitable for external influences (134.1.1; 416.2; 512.2)
7.11d	• Warning notice of non-standard (mixed) colours of conductors present (514.14)	9.2 Provision of overload and/or undervoltage protection e.g. for rotating machines, if required (Sections 445, 552)
7.12	Presence of labels to indicate the purpose of switchgear and protective devices (514.1.1; 514.8)	9.3 Installed to minimize the build-up of heat and restrict the spread of fire (421.1.4; 559.4.1)
8.0 CIRCUITS		9.4 Adequacy of working space. Accessibility to equipment (132.12; 513.1)
8.1	Adequacy of conductors for current-carrying capacity with regard to type and nature of the installation (Section 523)	10.0 LOCATION(S) CONTAINING A BATH OR SHOWER (SECTION 701)
8.2	Cable installation methods suitable for the location(s) and external influences (Section 522)	10.1 30mA protection for all LV circuits equipment suitable for the zones, supplementary bonding (where required) etc.
8.3	Segregation/separation of Band I (ELV) and Band II (LV) circuits, and electrical and non-electrical services (528)	OTHER PART 7 SPECIAL INSTALLATION OR LOCATIONS
8.4	Cables correctly erected and supported throughout, with protection against abrasion (Sections 521, 522)	11.0 List all other special installations or locations present, if any. (Record separately the results of particular inspections applied)
8.5	Provision of fire barriers, sealing arrangements where necessary (527.2)	
8.6	Non-sheathed cables enclosed throughout in conduit, ducting or trunking (521.10.1; 526.8)	
8.7	Cables concealed under floors, above ceilings or in walls/partitions, adequately protected against damage (522.6.201, .202, .203, .204)	
8.8	Conductors correctly identified by colour, lettering or numbering (Section 514)	
8.9	Presence, adequacy and correct termination of protective conductors (411.3.1.1; 543.1)	
8.10	Cables and conductors correctly connected, enclosed and with no undue mechanical strain (Section 526)	
8.11	No basic insulation of a conductor visible outside enclosure (526.8)	
		INSPECTED BY _____ Signature _____
		_____ Name (CAPITALS) _____
		_____ Date _____

SCHEDULE OF CIRCUIT DETAILS FOR THE INSTALLATION

CERTIFICATE NUMBER

EIC

Distribution Board (DB) Reference No		Details of circuits and/or installed equipment vulnerable to damage when testing			
Location					
Z _s at DB	Ω	I _{pf} at DB	kA	Correct supply polarity confirmed	Phase sequence confirmed (where appropriate)

CIRCUIT DESCRIPTION

TEST RESULTS

Circuit Ref	Circuit description	Type of wiring (see code)	Reference method	Number of points served	Circuit conductors - CSA		Max disconnection time permitted by BS7671 (s)	Overcurrent protective devices			RCD		Ring final circuit continuity (Ω)	Insulation resistance			Max measured earth fault loop impedance, Z _s	RCD		AFDD	Remarks (Continue on a separate sheet if necessary)
					Live	cpc		Rating (A)	Breaking capacity (kA)	Operating current, I _{pn} (mA)	Maximum Z _s permitted by BS7671 *	Live/Live		Live/Earth	Test Voltage DC (V)	Polarity (√)		Disconnection Time (ms)	RCD test button operation (√)	Manual AFDD test button operation (√)	
					(mm ²)	(mm ²)		(A)	(kA)	(mA)	(mm ²)	(MΩ)		(MΩ)	(V)	(√)		(ms)	(√)	(√)	

Download Trial to remove this message

Codes for Type of Wiring: A- Thermoplastic insulated/sheathed cables, B - Thermoplastic cables in metallic conduit, C - Thermoplastic cables in non-metallic conduit, D - Thermoplastic cables in metallic trunking, E - Thermoplastic cables in non-metallic trunking, F- Thermoplastic/SWA cables, G- Thermosetting/SWA cables, H - Mineral insulated cables, O - Other Details (please state)

* Where the maximum permitted earth fault loop impedance value stated in Max disconnection time permitted by BS7671 column is not taken from BS 7671, state the source of the data in the appropriate cell in the "Remarks" column

TEST INSTRUMENTS (Serial Numbers)	Insulation resistance	Continuity	Earth fault loop impedance
	Multi-functional	Earth electrode resistance	RCD

Download Trial to remove this message

ELECTRICAL INSTALLATION CERTIFICATE

GUIDANCE FOR RECIPIENTS

This safety Certificate has been issued to confirm that the electrical installation (or part of the installation) relates has been designed, constructed and inspected and tested in accordance with British Standard 7671 (the IET 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, together with schedules is included in the project health and safety documentation.

For safety reasons, the electrical installation will need to be 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 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 a periodic inspection of an existing electrical installation. An "Electrical Installation Condition Report" should be issued for such an inspection.

This certificate is only valid if accompanied by the Schedule(s) of Inspections and the Schedule(s) of Test Results.

Option to auto display your company letter head here

DISTRIBUTION BOARD CHART REFERENCE

Distribution Board (DB) Ref No		Details of circuits and/or installed equipment vulnerable to damage when testing											
Location		I of at DB								Correct supply polarity confirmed		Phase sequence confirmed	
CIRCUIT REF	DESCRIPTION	WIRING TYPE (SEE CODE)	METHOD	NO OF POINTS SERVED	CONDUCTORS CSA (mm ²)		MAX DISC TIME (S)	OVERCURRENT PROTECTIVE DEVICE			RCD (MA)	MAXIMUM PERMITTED ZS (Ω)	
					LV	HV		CPC	BS (EN)	TYPE NO			RATING (A)

Download Trial to remove this message

CODES FOR TYPE OF WIRING

A	B	C	D	E	F	G	H	O (Other – please state)
Thermoplastic insulated/ sheathed cables	Thermoplastic cables in metallic conduit	Thermoplastic cables in non-metallic conduit	Thermoplastic cables in metallic trunking	Thermoplastic cables in non-metallic trunking	Thermoplastic/ SWA cables	Thermosetting/SWA cables	Mineral insulated cables	

Name of contractor	Address of contractor	Enrolment number
--------------------	-----------------------	------------------