

ELECTRICAL INSTALLATION CERTIFICATE (BS 7671:2001 as amended)



DETAILS OF THE CLIENT

Client/
Address

DETAILS OF THE INSTALLATION

Installation/
Address

Extent of the
installation
covered
in this
certificate

The installation is:

New

An
Addition

An
alteration

FOR DESIGN

I/We being the person(s) responsible for the design of the electrical installation (as indicated by my/our signatures below), particulars of which are described above, have exercised reasonable skill and care when carrying out the design hereby CERTIFY that the design work for which I/We have been responsible is, to the best of my/our knowledge and belief in accordance with BS 7671:2001 amended to

except for the departures, if any detailed as follows:

Details of departures from BS 7671:2001 as amended (Regulations 120-01-03, 120-02):

The extent of liability of the signatories is limited to the work described above as the subject of this certificate.

For the DESIGN of the installation:

Signature

Date

Name

Designer 1

Signature

Date

Name

Designer 2 **

**(where there is mutual responsibility for the design)

FOR CONSTRUCTION

I/We being the person(s) responsible for the construction of the electrical installation (as indicated by my/our signatures below), particulars of which are described above, have exercised reasonable skill and care when carrying out the construction hereby CERTIFY that the construction work for which I/We have been responsible is, to the best of my/our knowledge and belief in accordance with BS 7671:2001 amended to

except for the departures, if any detailed as follows:

Details of departures from BS 7671:2001 as amended (Regulations 120-01-03, 120-02):

The extent of liability of the signatories is limited to the work described above as the subject of this certificate.

For the CONSTRUCTION of the installation:

Signature

Date

Name

Constructor

FOR INSPECTION & TESTING

I/We being the person(s) responsible for the inspection and testing of the electrical installation (as indicated by my/our signatures below), particulars of which are described above, have exercised reasonable skill and care when carrying out the inspection and testing hereby CERTIFY that the work for which I/we have been responsible is, to the best of my/our knowledge and belief in accordance with BS 7671:2001, amended to

except for the departures, if any detailed as follows:

Details of departures from BS 7671:2001 as amended (Regulations 120-01-03, 120-02):

The extent of liability of the signatories is limited to the work described above as the subject of this certificate.

For the INSPECTION and TEST of the installation:

Signature

Date

Name

Inspector

Reviewed by

Signature

Date

Name

Qualifying
Supervisor

PARTICULARS OF THE SIGNATORIES TO THE ELECTRICAL INSTALLATION CERTIFICATE

DESIGNER (No 1)	Organisation	<input style="width:100%;" type="text"/>	
Address	<input style="width:100%;" type="text"/>	Enrolment No. (where appropriate)	<input style="width:100%;" type="text"/>
		Branch No. (if applicable)	<input style="width:100%;" type="text"/>
DESIGNER (No 2)	Organisation	<input style="width:100%;" type="text"/>	
Address	<input style="width:100%;" type="text"/>	Enrolment No. (where appropriate)	<input style="width:100%;" type="text"/>
		Branch No. (if applicable)	<input style="width:100%;" type="text"/>
CONSTRUCTOR	Organisation	<input style="width:100%;" type="text"/>	
Address	<input style="width:100%;" type="text"/>	Enrolment No. (where appropriate)	<input style="width:100%;" type="text"/>
		Branch No. (if applicable)	<input style="width:100%;" type="text"/>
INSPECTOR	Organisation	<input style="width:100%;" type="text"/>	
Address	<input style="width:100%;" type="text"/>	Enrolment No. (where appropriate)	<input style="width:100%;" type="text"/>
		Branch No. (if applicable)	<input style="width:100%;" type="text"/>

SUPPLY CHARACTERISTICS AND EARTHING ARRANGEMENTS

System Type(s)	Number and Type of Live Conductors	Nature of Supply Parameters	Supply protective device characteristics
TN-S <input type="checkbox"/>	a.c. <input type="checkbox"/> d.c. <input type="checkbox"/>	Nominal Voltage U <input type="text"/> V U _o <input type="text"/> V	BS(EN) <input style="width:100%;" type="text"/>
TN-C-S <input type="checkbox"/>	1-Phase (2 wire) <input type="checkbox"/> 1-Phase (3 wire) <input type="checkbox"/> 2 Pole <input type="checkbox"/>	Nominal frequency f <input type="text"/> Hz	Type <input style="width:100%;" type="text"/>
TN-C <input type="checkbox"/>	2-Phase (3 wire) <input type="checkbox"/> 3 Pole <input type="checkbox"/>	Prospective fault current I _{pf} <input type="text"/> kA	<input style="width:100%;" type="text"/>
TT <input type="checkbox"/>	3-Phase (3 wire) <input type="checkbox"/> 3-Phase (4 wire) <input type="checkbox"/> Other <input type="checkbox"/>	External loop impedance Z _e <input type="text"/> Ω	Nominal current rating <input type="text"/> A
IT <input type="checkbox"/>	Other <input style="width:100%;" type="text"/>	Number of supplies <input type="text"/>	Short circuit capacity <input type="text"/> kA

PARTICULARS OF INSTALLATION REFERRED TO IN THE CERTIFICATE

Means of Earthing	Details of Installation Earth Electrode (where applicable)		
Supplier's facility <input type="checkbox"/>	Type (eg rod(s), tape etc) <input style="width:100%;" type="text"/>	Location <input style="width:100%;" type="text"/>	
Installation earth electrode <input type="checkbox"/>	Electrode resistance, R _A <input type="text"/> Ω	Method of measurement <input style="width:100%;" type="text"/>	
Main Switch or Circuit-Breaker		Maximum Demand (load)	Method of protection against indirect contact
Type BS(EN) <input type="text"/>	Voltage rating <input type="text"/> V	<input type="text"/> A per phase	<input style="width:100%;" type="text"/>
No of poles <input type="text"/>	Current rating <input type="text"/> A	Main Protective Conductors	
Supply conductors material <input type="text"/>	RCD Operating current, I _{Δn} <input type="text"/> mA	Earthing Conductor	Main equipotential bonding conductors
Supply conductors csa <input type="text"/> mm ²	RCD Operating time at, I _{Δn} <input type="text"/> ms	material <input style="width:100%;" type="text"/>	material <input style="width:100%;" type="text"/>
		csa <input type="text"/> mm ²	csa <input type="text"/> mm ²
		Continuity check <input type="checkbox"/>	Continuity check <input type="checkbox"/>
		Bonding of extraneous conductive parts	
		Water <input type="checkbox"/>	Gas <input type="checkbox"/>
		Oil <input type="checkbox"/>	Steel <input type="checkbox"/>
		Lightning <input type="checkbox"/>	Other <input type="checkbox"/>

COMMENTS ON EXISTING INSTALLATION

Where appropriate comments on the existing installation are to be found on page(s)

NEXT INSPECTION

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

SCHEDULE OF ITEMS INSPECTED (see section 712 of BS 7671: 2001)

Method of protection against electric shock:		Prevention of mutual detrimental influence	
<input type="checkbox"/>	(i) SELV	<input type="checkbox"/>	a. Proximity of non-electrical services and other influences
<input type="checkbox"/>	(ii) Limitation of discharge of energy	<input type="checkbox"/>	b. Segregation of Band 1 and Band 2 cables or Band1 insulation used
		<input type="checkbox"/>	c. Segregation of safety circuits
Protection against direct contact:		Identification	
<input type="checkbox"/>	(i) Insulation of live parts	<input type="checkbox"/>	Presence of diagrams, instructions, circuit charts and similar information
<input type="checkbox"/>	(ii) Barriers or enclosures	<input type="checkbox"/>	Presence of danger notices and other warning notices
<input type="checkbox"/>	(iii) Obstacles	<input type="checkbox"/>	Labelling of protective devices, switches and terminals
<input type="checkbox"/>	(iv) Placing out of reach	<input type="checkbox"/>	Identification of conductors
<input type="checkbox"/>	(v) PELV		
<input type="checkbox"/>	(vi) Presence of RCD for supplementary protection	Cables and conductors	
		<input type="checkbox"/>	Routing of cables in prescribed zones or within mechanical protection
		<input type="checkbox"/>	Connection of conductors
		<input type="checkbox"/>	Erection methods
		<input type="checkbox"/>	Selection of conductors for current-carrying capacity and voltage drop
		<input type="checkbox"/>	Presence of fire barriers and protection against thermal effects
Protection against indirect contact:		General	
<input type="checkbox"/>	(i) EEBAD including:	<input type="checkbox"/>	Presence and correct location of appropriate devices for isolation and switching
<input type="checkbox"/>	Presence of earthing conductors	<input type="checkbox"/>	Adequacy of access to switchgear and other equipment
<input type="checkbox"/>	Presence of circuit protective conductors	<input type="checkbox"/>	Particular protective measures for special installations and locations
<input type="checkbox"/>	Presence of main equipotential bonding conductors	<input type="checkbox"/>	Connection of single pole devices for protection or switching in phase conductors only
<input type="checkbox"/>	Presence of supplementary equipotential bonding conductors	<input type="checkbox"/>	Correct connection of accessories and equipment
<input type="checkbox"/>	Presence of earthing arrangements for combined protective and functional purposes	<input type="checkbox"/>	Presence of undervoltage protective devices
<input type="checkbox"/>	Presence of adequate arrangements for alternate sources, where applicable	<input type="checkbox"/>	Choice and setting of protective and monitoring devices (for protection against indirect contact and/or overcurrent)
<input type="checkbox"/>	Presence of residual current devices	<input type="checkbox"/>	Selection of equipment and protective measures appropriate to external influences
<input type="checkbox"/>	(ii) Use of Class II equipment or equivalent insulation	<input type="checkbox"/>	Selection of appropriate functional switching devices
<input type="checkbox"/>	(iii) Non-conducting location:		
<input type="checkbox"/>	Absence of protective conductors		
<input type="checkbox"/>	(iv) Earth-free local equipotential bonding:		
<input type="checkbox"/>	Presence of earth-free equipotential bonding conductors		
<input type="checkbox"/>	(v) Electrical separation		

SCHEDULE OF ITEMS TESTED (see section 713 of BS 7671: 2001)

<input type="checkbox"/>	External earth fault loop impedance, Z_e	<input type="checkbox"/>	Protection by Separation of circuits
<input type="checkbox"/>	Installation earth electrode resistance, R_A	<input type="checkbox"/>	Protection against direct contact, by barrier or enclosure provided during erection
<input type="checkbox"/>	Continuity of protective conductors	<input type="checkbox"/>	Insulation of non-conducting floors and walls
<input type="checkbox"/>	Continuity of ring final circuit conductors	<input type="checkbox"/>	Polarity
<input type="checkbox"/>	Insulation resistance between live conductors	<input type="checkbox"/>	Earth fault loop impedance, Z_s
<input type="checkbox"/>	Insulation resistance between live conductors and earth	<input type="checkbox"/>	Operation of residual current devices
<input type="checkbox"/>	Site applied insulation	<input type="checkbox"/>	Functional testing of assemblies

SCHEDULE OF ADDITIONAL RECORDS (see attached schedule)

Schedules of additional records are included on pages

SCHEDULE OF CIRCUIT DETAILS FOR THE INSTALLATION

BOARD DETAILS

TO BE COMPLETED IN EVERY CASE		ONLY TO BE COMPLETED IF THE DISTRIBUTION BOARD IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION			
Location of distribution board	<input type="text"/>	Supply to distribution board is from	<input type="text"/>	Associated RCD (if any)	
Distribution board designation	<input type="text"/>	No of phases	<input type="text"/>	Nominal Voltage	<input type="text"/> V
		Overcurrent protective device for the distribution circuit		RCD No of poles	<input type="text"/>
		Type BS(EN)	<input type="text"/>	Rating	<input type="text"/> A
				RCD rating, I _{Δn}	<input type="text"/> mA

CIRCUIT DETAILS

Circuit number and phase	Circuit designation	Type of wiring	Reference method	No of points served	Circuit conductors csa		Max. permitted disconnection time s	Overcurrent protective device				RCD	Max. permitted Zs Ω
					Live mm ²	cpc mm ²		BS(EN)	Type No	Rating A	Short circuit capacity kA	Op. current I _{Δn}	

WIRING CODES

A	B	C	D	E	F	G	H	O
PVC/PVC cables	PVC cables in metallic conduit	PVC cables in non-metallic conduit	PVC cables in metallic trunking	PVC cables in non-metallic trunking	PVC/SWA cables	XLPE/SWA cables	Mineral insulated cables	Other

BOARD TESTS

ONLY TO BE COMPLETED IF THE DISTRIBUTION BOARD IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION

TEST INSTRUMENTS (SERIAL NUMBERS) USED

Zs Ω Operating times of associated RCD (if any) At I Δ n ms At 5I Δ n ms (if applicable)

Earth fault loop impedance RCD Insulation resistance Other Continuity Other

CIRCUIT TESTS

Table with columns for Circuit number and phase, Circuit impedances (r1, rn, r2, R1+R2, R2), Insulation resistance (Phase/Phase, Phase/Neutral, Phase/Earth, Earth/Neutral), Polarity, Maximum measured earth fault loop impedance, and RCD operating times.

TESTED BY

Signature

Position

Name

Date of testing