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# ELECTRICAL INSTALLATION CERTIFICATE – DCP/4

Issued in accordance with BS7671 – Requirements for Electrical Installations

This safety certificate is an important and valuable document which should be retained for future reference

## DETAILS OF THE CLIENT

Client and address: J. Bloggs  
10 Smith Drive,  
Smith House,  
Smithville,  
SM5 2RT

## ADDRESS OF THE INSTALLATION

Installation address: 10 Smith Drive,  
Smith House,  
Smithville,  
SM5 2RT

## DETAILS OF THE INSTALLATION

Extent of the installation work covered by this certificate: Disconnect existing kitchen socket outlets. Rewire kitchen socket outlets on surface mini trunking. Install new 32A Ringmain to feed kitchen power. Replace consumer unit, with modern Twin RCD unit, utilising existing wiring.

The installation is:

New   
An addition   
An alteration

## DESIGN, CONSTRUCTION, INSPECTION AND TESTING

I being the person responsible for the design, construction, inspection & testing of the 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, inspection & 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, amended to '-' except for the departures, if any, detailed as follows:

Details of departures from BS 7671 (Regulations 120.3 and 120.4):

NONE

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

Signature: INSERT SIGNATURE Name: \_\_\_\_\_ Date: 20/10/13

The results of the inspection and testing reviewed by the Qualified Supervisor

Signature: INSERT SIGNATURE Name: \_\_\_\_\_ Date: 20/10/13

## PARTICULARS OF THE ELECTRICAL INSTALLER

Trading title: Smithville Electrical Ltd.

Address: 20 Smithingdon Street, Smithville.

Phone Number: 0181 111 1111

Registration No: Number here Website: - Email: -

## NEXT INSPECTION

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

I recommend that this installation is further inspected and tested after an interval of not more than 5 Yrs

## SCHEDULE OF ADDITIONAL RECORDS

NONE

## COMMENTS ON EXISTING INSTALLATION

NONE

This form is based on the model Electrical Installation Certificate shown in Appendix 6 of BS7671 (as amended).

Please see the 'Guidance Notes for Recipients' page.

# ELECTRICAL INSTALLATION CERTIFICATE – DCP/4

SUPPLY CHARACTERISTICS <small>Tick boxes, as appropriate</small>				Nature of supply parameters				Characteristics of primary supply overcurrent protective device(s)			
System type(s)	Number and type of live conductors	Nominal voltage(s) U (1)	Nominal frequency, f (1)	BS(EN)	Type			Rated current			
TN-S <input checked="" type="checkbox"/>	1-phase (2 wire) <input checked="" type="checkbox"/>	230	50	1361	IIb			60			
TN-C-S <input type="checkbox"/>	3-phase (3 wire) <input type="checkbox"/>	U <sub>o</sub> (1) 230	External earth fault loop impedance, z <sub>e</sub> (1) 0.80								
TT <input type="checkbox"/>	Other <input type="checkbox"/>	Prospective fault current, I <sub>pf</sub> (2)(3) -	3-phase Prospective fault current, I <sub>pf</sub> (2)(3) N/A				Short-circuit capacity 33kA				

PARTICULARS OF INSTALLATION AT THE ORIGIN <small>Tick boxes, as appropriate</small>				Main switch or circuit-breaker			
Means of earthing	Details of installation earth electrode (where applicable)	Measured Z <sub>e</sub> (Ω) 0.14	Maximum demand (Load) <40A	Type BS(EN) 60947-3	Voltage rating 240		
Distributor's facility <input checked="" type="checkbox"/>	Type (eg rod(s), tape etc) N/A	Protective measures for fault protection EEBADS	Number of smoke alarms N/A	No of poles 2	Rated current, I <sub>A</sub> 100		
Installation earth electrode <input type="checkbox"/>	Electrode resistance, R <sub>A</sub> N/A	Method of measurement N/A	Supply conductors material Cooper	RCD operating current, I <sub>Δn</sub> N/A			
Earthing conductor		Main protective bonding conductors and bonding of extraneous-conductive-parts					
Conductor material Copper	Conductor material Copper	Conductors csa 10mm <sup>2</sup>	Gas service <input checked="" type="checkbox"/>	Supply conductors csa Cooper	RCD operating time, I <sub>Δn</sub> N/A		
Conductor csa 16mm	Continuity check <input checked="" type="checkbox"/>	Location Meter	Other incoming service N/A	Supply conductors csa 16mm			

SCHEDULE OF ITEMS TESTED		Additional protection		Cables and conductors (cont)	
<input checked="" type="checkbox"/> Protective measures against electric shock	<input checked="" type="checkbox"/> Presence of residual current devices	<input checked="" type="checkbox"/> Routine of cables in prescribed zones			
<input type="checkbox"/> Basic and fault protection	<input type="checkbox"/> Presence of supplementary bonding conductors	<input 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"/> SELV	<input type="checkbox"/> Prevention of mutual detrimental influence	<input checked="" type="checkbox"/> Additional protection by 30 mA RCD (where required, in premises not under the supervision of skilled or instructed persons)			
<input type="checkbox"/> Double or reinforced insulation	<input checked="" type="checkbox"/> Proximity to non-electrical services and other influences	<input type="checkbox"/> Connection of conductors			
<input type="checkbox"/> Basic protection	<input type="checkbox"/> Segregation of Band I and Band II circuits or Full II insulation used	<input type="checkbox"/> Presence of fire barriers, suitable seals and protection against thermal effects			
<input checked="" type="checkbox"/> Insulation of live parts	<input type="checkbox"/> Segregation of safety circuits	<input type="checkbox"/> Identification			
<input type="checkbox"/> Barriers or enclosures	<input type="checkbox"/> Identification	<input checked="" type="checkbox"/> Present and correct location of appropriate devices for isolation and switching			
<input type="checkbox"/> Fault protection	<input checked="" type="checkbox"/> Presence of diagrams, instructions, circuit charts and similar information	<input checked="" type="checkbox"/> Adequacy of access to switchgear and other equipment			
<input type="checkbox"/> 1. Automatic disconnection of supply:	<input type="checkbox"/> Presence of danger notices	<input checked="" type="checkbox"/> Particular protective measures to special installations and locations			
<input checked="" type="checkbox"/> Presence of earthing conductor	<input checked="" type="checkbox"/> Presence of other warning notices, including presence of mixed wiring colours	<input checked="" type="checkbox"/> Connection of single-pole devices for protection or switching in line conductors only			
<input checked="" type="checkbox"/> Presence of circuit protective conductors	<input checked="" type="checkbox"/> Labelling of protective devices, switches and terminals	<input checked="" type="checkbox"/> Correct connection of accessories and equipment			
<input checked="" type="checkbox"/> Presence of main protective bonding conductors	<input checked="" type="checkbox"/> Identification of conductors	<input checked="" type="checkbox"/> Selection of equipment & protective measures appropriate to external influences			
<input checked="" type="checkbox"/> Choice and setting of protective devices (for fault protection and/or overcurrent)	<input type="checkbox"/> Cables and conductors	<input checked="" type="checkbox"/> Selection of appropriate functional switching devices			
<input type="checkbox"/> 2. Electrical separation	<input checked="" type="checkbox"/> Selection of conductors for current carrying capacity and voltage drop				
<input type="checkbox"/> For one item of current-using equipment	<input checked="" type="checkbox"/> Erection methods				

\*N/A to indicate an inspection has been carried out and the result is satisfactory. 'N/A' to indicate that the inspection is not applicable to the particular item. This form is based on the model Electrical Installation Certificate shown in Appendix 6 of BS7671 (as amended).

# ELECTRICAL INSTALLATION CERTIFICATE – DCP/4

CIRCUIT DETAILS													TEST RESULTS																
Circuit number	Circuit Designation  *To be completed only where this consumer unit is remote from the origin of the installation. Record details of this circuit supplying this consumer unit in the first box.	D=Distribution circuit F= Final Circuit	Reference Method	No. points served	Circuit conductors		Max disconnection time (s)	Overcurrent protective devices			RCD Maximum Zs permitted by BS7671	Circuit Impedances (Ω)					Insulation Resistance				Polarity	Maximum measured earth fault loop impedance Zs Ω	RCD operating times						
					Live mm2	Cpc mm2		BS (EN)	Type No	Rating (A)		Capacity (KA)	Op. current I <sub>n</sub>	Ring final circuits only			All circuits (At least one column to be completed)		L/L MΩ	L/N MΩ			L/E MΩ	N/E MΩ	at I <sup>n</sup> ms	at 5 <sup>n</sup> ms			
														r1	rN	r2	R1+R2	R2											
*	Main switch	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1	Spare	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
2	Spare	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	RCD A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
3	Downstairs sockets	F	-	15	2.5	1.5	0.4	60898	20	6	30	1.84	0.41	2.80	0.64	0.36	-	N/A	LIM	>1.0	>1.0	√	0.82	27	17				
4	Upstairs lighting	F	-	5	1.0	1.0	0.4	60898	B	6	6	30	6.13	-	-	-	0.67	-	N/A	LIM	>16	>16	√	1.19	27	17			
5	Hob	F	-	1	6.0	2.5	0.4	60898	B	32	6	30	1.15	-	-	-	0.14	-	N/A	>33	>40	>40	√	0.22	27	17			
6	Spare	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	RCD B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
7	Upstairs sockets	F	-	7	2.5	1.5	0.4	60898	B	32	6	30	1.15	0.19	0.20	0.37	0.22	-	N/A	>299	>299	>1.5	√	0.65	27	18			
8	Downstairs lighting	F	-	7	1.0	1.0	5	60898	B	6	6	30	6.13	-	-	-	0.52	-	N/A	>1.5	>16	>16	√	1.02	27	18			
9	Shower	F	-	1	6.0	2.5	0.4	60898	B	32	6	30	1.15	-	-	-	0.14	-	N/A	>299	>299	>299	√	0.68	27	18			
10	Kitchen Ringmain	F	-	10	2.5	1.5	0.4	60898	B	32	6	30	1.15	0.41	0.34	0.59	0.49	-	N/A	>299	>299	>299	√	0.66	26	19			
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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Location of consumer unit(s)		<b>METER CUPBOARD</b>					Designation of consumer unit					<b>B 1</b>					PFC at Consumer unit		<b>1.69KA</b>										

CIRCUIT DETAILS												
Multi-Functional		Insulation Resistance		Continuity		Earth electrode resistance		Earth fault loop impedance		RCD		

## ELECTRICAL INSTALLATION CERTIFICATE GUIDANCE FOR RECIPIENTS

This safety Certificate has been issued to confirm that the electrical installation work to which it relates has been designed, constructed, inspected and tested in accordance with British Standard 7671 (the IET Wiring Regulations).

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

This 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 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 addition or alteration to an existing installation. It should not have been issued for the inspection of an existing electrical installation. An "Electrical Installation Condition Report" should be issued for such an inspection.