



DOMESTIC ELECTRICAL INSTALLATION CERTIFICATE

Issued in accordance with British Standard BS 7671 - Requirements for Electrical Installations

Certificate Reference: 0011012

1 DETAILS OF THE CLIENT

Client: **Dr James Holdsworth**

Address: **Apartment 21, 3 Regent Street, Sheffield, S1 4DA**

2 DETAILS AND EXTENT OF THE INSTALLATION

Installation Address: **12 Princess Road,, Hull, HU5 2RD**

Extent of the installation covered by this certificate: **Install earth rod & items 1,3,4,5,6,7,8,9,11 from DEICR1108**

The installation is: New **N/A** An addition **N/A** An alteration

3 COMMENTS ON EXISTING INSTALLATION

N/A

4 NEXT INSPECTION

I RECOMMEND that this installation is further inspected and tested after an interval of not more than: **10 Years**

5 TEST INSTRUMENTS

Details of Test Instruments used (state serial and/or asset numbers):

Multi-functional:	Fluke 1651	Earth electrode resistance:	
Insulation resistance:		Earth fault loop impedance:	
Continuity:		RCD:	


6 DESIGN, CONSTRUCTION, INSPECTION 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 signatures 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 design work for which I/we have been responsible is to the best of my/our knowledge and belief in accordance with BS 7671:2008, amended to 2013 except for the departures, if any, detailed as follows.


Details of departures from BS 7671, as amended (Regulations 120.3, 133.5):

None

The extent of liability of the signatory/signatories 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:

Name: **Tony Douglass** Position: **Electrical Engineer** Signature:  Date: **15/01/2015**

Report reviewed and confirmed by:

Name: **Tony Douglass** Position: **Electrical Engineer** Signature:  Date: **15/01/2015**

7 DETAILS OF THE ELECTRICAL CONTRACTOR

Trading Title: **Merlx LTD**

Address: **Kingston House
Williamson Street
Hull**

Registration Number (if applicable): **033336**

Telephone Number: **01482 635188**

Postcode: **HU9 1EP**

8 SUPPLY CHARACTERISTICS AND EARTHING ARRANGEMENTS						Characteristics of Primary Supply Overcurrent Protective Device(s)			
System Type(s)		Number and Type of Live Conductors			Nature of Supply Parameters				
TN-S	N/A	1-phase (2 wire):	<input checked="" type="checkbox"/>	1-phase (3 wire):	N/A	Nominal voltage(s): U: 240 V U _o : 230 V	BS(EN):	88-3 Fuse	
TN-C-S	N/A	3-phase (3 wire):	N/A	3-phase (4 wire):	N/A	Nominal frequency, f: 50 Hz	Type:		
TT	<input checked="" type="checkbox"/>	Other:	N/A			Prospective fault current, I _{pf} :	Rated current:	LIM	A
Confirmation of supply polarity:				<input checked="" type="checkbox"/>		External earth fault loop impedance, Z _e :	Short-circuit capacity:	LIM	kA

9 PARTICULARS OF INSTALLATION AT THE ORIGIN											
Means of Earthing		Details of Installation Earth Electrode (where applicable)									
Distributor's facility:	N/A	Type:			Location:						
Installation earth electrode:	<input checked="" type="checkbox"/>	Electrode resistance, R _A :			Method of measurement:						
Maximum Demand (Load):		Protective measure(s) against electric shock:	ADS		Measured Z _e :						
Type	Main Switch or Circuit-Breaker			Earthing and Protective Bonding Conductors							
BS(EN):	60947-3 Isolator	Voltage rating:	240 V	Earthing conductor							
Number of poles:	2	Rated current, I _n :	10 A	Conductor material:	Copper	Conductor csa:	16 mm ²	Continuity & connection verified:	<input checked="" type="checkbox"/>		
Supply conductors material:	Copper	RCD operating current:	N/A mA	Main protective bonding conductors							
Supply conductors csa:	16 mm ²	RCD operating time:	N/A ms	Conductor material:	Copper	Conductor csa:	10 mm ²	Continuity & connection verified:	<input checked="" type="checkbox"/>		
				Bonding of extraneous-conductive parts							
				Water service:	<input checked="" type="checkbox"/>	Gas service:	<input checked="" type="checkbox"/>	Oil service:	N/A	Lightning protection:	
				Structural Steel:	N/A	Other incoming service(s):	N/A				

10 SCHEDULE OF ITEMS INSPECTED		
Methods of protection against electric shock	Prevention of mutual detrimental influence	Cables and conductors (Continued)
Basic and fault protection:	<input checked="" type="checkbox"/> Proximity of non-electrical services and other influences	<input checked="" type="checkbox"/> Additional protection provided by 30mA RCD for cables in concealed walls (where required in premises not under the supervision of skilled or instructed persons)
<input checked="" type="checkbox"/> SELV	<input checked="" type="checkbox"/> Segregation of Band I and Band II circuits or use of Band II insulation	<input checked="" type="checkbox"/> Connection of conductors
Double or reinforced insulation:	<input checked="" type="checkbox"/> Segregation of safety circuits	<input checked="" type="checkbox"/> Presence of fire barriers, suitable seals and protection against thermal effects
<input checked="" type="checkbox"/> Double or Reinforced Insulation	Identification	General
Basic protection:	<input checked="" type="checkbox"/> Presence of diagrams, instructions, circuit charts and similar information	<input checked="" type="checkbox"/> Presence and correct location of appropriate devices for isolation and switching
<input checked="" type="checkbox"/> Insulation of live parts	<input checked="" type="checkbox"/> Presence of danger notices	<input checked="" type="checkbox"/> Adequacy of access to switchgear and other equipment
<input checked="" type="checkbox"/> Barriers or enclosures	<input checked="" type="checkbox"/> Presence of other warning notices, including presence of mixed wiring colours	<input checked="" type="checkbox"/> Particular protective measures for special installations and locations
Fault protection:	<input checked="" type="checkbox"/> Labelling of protective devices, switches and terminals	<input checked="" type="checkbox"/> Connection of single-pole devices for protection or switching in line conductors only
Automatic disconnection of supply	<input checked="" type="checkbox"/> Identification of conductors	<input checked="" type="checkbox"/> Correct connection of accessories and equipment
<input checked="" type="checkbox"/> Presence of earthing conductor	Cables and conductors	<input checked="" type="checkbox"/> Selection of equipment and protective measures appropriate to external influences
<input checked="" type="checkbox"/> Presence of circuit protective conductors	<input checked="" type="checkbox"/> Selection of conductors for current carrying capacity and voltage drop	<input checked="" type="checkbox"/> Selection of appropriate functional switching devices
<input checked="" type="checkbox"/> Presence of main protective bonding conductors	<input checked="" type="checkbox"/> Erection methods	
<input checked="" type="checkbox"/> Choice and setting of protective and monitoring devices (for fault protection and/or overcurrent protection)	<input checked="" type="checkbox"/> Routing of cables in prescribed zones or within mechanical protection	
Electrical Separation	<input checked="" type="checkbox"/> Cables incorporating earthed armour or sheath, or run within an earthed wiring system, or otherwise adequately protected against nails, screws and the like	
<input checked="" type="checkbox"/> Provided for one item of current-using equipment		
Additional protection:		
<input checked="" type="checkbox"/> Presence of residual current device(s)		
<input checked="" type="checkbox"/> Presence of supplementary bonding conductors		

11 SCHEDULE OF ITEMS TESTED		
<input checked="" type="checkbox"/> External earth fault loop impedance, Z _e	<input checked="" type="checkbox"/> Insulation resistance between live conductors	<input checked="" type="checkbox"/> Verification of phase sequence
<input checked="" type="checkbox"/> Installation earth electrode resistance, R _A	<input checked="" type="checkbox"/> Insulation resistance between live conductors and earth	<input checked="" type="checkbox"/> Operation of residual current device(s)
<input checked="" type="checkbox"/> Continuity of protective conductors	<input checked="" type="checkbox"/> Polarity	<input checked="" type="checkbox"/> Functional testing of assemblies
<input checked="" type="checkbox"/> Continuity of ring final circuit conductors	<input checked="" type="checkbox"/> Earth fault loop impedance, Z _s	<input checked="" type="checkbox"/> Verification of voltage drop

12 SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS

Designation of consumer unit: **D.B. 1** Location: **Understairs Cupboard** Prospective fault current: **0.645 kA** Type of Wiring O-Other: **N/A**

Circuit number	Circuit designation	Type of wiring	Reference Method	Number of points served	Circuit conductors: csa			Overcurrent protective devices					RCD Maximum Zs permitted by BS7671	Circuit impedances (Ohms)					Insulation resistance (record lower or lowest value)				Polarity	Maximum measured earth fault loop impedance Zs	RCD Operating times				
					Live mm ²	cpc mm ²	Max disconnect time permitted by BS7671 s	BS(EN)	Type No	Rating A	Capacity kA	Operating current mA		Ring final circuits only (measured end to end)			All circuits (one column to be completed)		Line/Line MΩ	Line/Neutral MΩ	Line/Earth MΩ	Neutral/Earth MΩ			At In ms	At 5 In ms	Test button operation		
														r1 (Line)	rn (Neutral)	r2 (cpc)	R1+R2	R2											
1 L1	Bed 1 & 2 Sockets	A	C	4	2.5	1.5	0.4	60898	B	20	6	30	2.30	N/A	N/A	N/A	0.36	N/A	N/A	> 200	> 200	> 200	✓	N/A	14	9	✓		
2 L1	Upstairs sockets	A	C	7	2.5	1.5	0.4	60898	B	20	6	30	2.30	N/A	N/A	N/A	0.50	N/A	N/A	> 200	> 200	> 200	✓	N/A	14	9	✓		
3 L1	Lighting	A	C	3	1.0	1.0	0.4	60898	B	6	6	30	7.67	N/A	N/A	N/A	0.48	N/A	N/A	> 200	> 200	> 200	✓	N/A	14	9	✓		
4 L1	Lighting	A	C	8	1.0	1.0	0.4	60898	B	6	6	30	7.67	N/A	N/A	N/A	2.06	N/A	N/A	> 200	> 200	> 200	✓	N/A	14	9	✓		
5 L1	Shower	A	C	1	6	2.5	0.4	60898	B	32	6	30	1.44	N/A	N/A	N/A	LIM	N/A	N/A	> 200	> 200	> 200	✓	N/A	42	12	✓		
6 L1	Kichen Ring	A	C	6	2.5	1.5	0.4	60898	B	32	6	30	1.44	0.03	0.03	0.05	0.04	N/A	N/A	> 200	> 200	> 200	✓	N/A	42	12	✓		
7 L1	Sockets longe	A	C	6	2.5	1.5	0.4	60898	B	16	6	30	2.87	N/A	N/A	N/A	LIM	N/A	N/A	> 200	> 200	> 200	✓	N/A	42	12	✓		
8 L1	Shower	A	C	1	6	2.5	0.4	60898	B	32	6	30	1.44	N/A	N/A	N/A	LIM	N/A	N/A	> 200	> 200	> 200	✓	N/A	42	12	✓		
9 L1	Fire Alarm	A	C	1	2.5	1.5	0.4	60898	B	10	6	30	4.60	N/A	N/A	N/A	LIM	N/A	N/A	> 200	> 200	> 200	✓	N/A	42	12	✓		
10	Bolier	A	C	1	1.0	1.0	0.4	60898	B	6	6	30	7.67	N/A	N/A	N/A	LIM	N/A	N/A	> 200	> 200	> 200	✓	N/A	42	12	✓		

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GUIDANCE FOR RECIPIENT (to be appended to the Certificate)

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

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 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 new work associated with an alteration or addition 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.

This Certificate is only valid if a Schedule of Inspections and Schedule of Test Results are appended.