NAPIT *Electrical Certificate Installation/Modification*

Requirements for Electrical Installations – BS 7671: 2008
incorporating Amendment No.3,2015 [IET Wiring Regulations 17th Edition]
All ns inspected to confirm as appropriate, compliance with the relevant clauses in BS7671

NA/EIC 546924

1 Details of the Installation

Client
Address MR. BAND 4 WOODWOOD CLOSE ORTON

Postcode

Installation (If different from client)
Address 30 HOLT HILL BIRKENHEAD

Postcode CH41 9DG

2 Description, extent and limitations of the Installation (note 5)

Installation is New Addition Alteration ✓ **Records available** Yes No ✓ **Date of original installation** —

Description of installation UPGRADE ELECTRICS

Extent of installation covered by this Certificate WHOLE

Details of departure from BS7671 (Regulations 120.3 and 133.5)

Details of permitted exceptions. [Regulation 411.3.3] Where applicable a suitable risk assessment[s] must be attached to this certificate

Risk assessment attached

3 For design, construction, inspection and testing (for sole person responsibility.) (for multiple persons responsibility complete sec. 4,5,15)

I being the person responsible for design, construction, inspection and test of the electrical installation (as indicated by my signature below), particulars of which are described in Section 2, having exercised reasonable skill and care when carrying out the design, construction, inspection and test hereby CERTIFY that the design,construction, inspection and test for which I have been responsible is to the best of my knowledge and belief in accordance with BS 7671:2008, amended to 2015 (date)
The extent of liability of the signatory or the signatories is limited to the work described In Section 2 as subject of this certificate.
For the DESIGN I CONSTRUCTION /INSPECTION AND TEST of the installation:

Company name FERRY ELECTRICAL CONTRACTS
Installer HOOSON
Company address 1A NEW FERRY RD. WIRRAL

Postcode CH62 1BG

Signature
Position DOM HUGHES
Date 4.9.17
NAPIT membership No. 16554

4 For construction (if different from sec. 3)

I being the person responsible for construction of the electrical installation (as indicated by my signature below), particulars of which are described in Section 2, having exercised reasonable skill and care when carrying out the construction hereby CERTIFY that the construction work for which I have been responsible Is to the best of my knowledge and belief in accordance with BS7671:2008, amended to (date)
The extent of liability of the signatory or the signatories is limited to the work described in Section 2 as subject of this certificate.
For the CONSTRUCTION of the Installation:

Company name
Installer
Company address

Postcode

Signature
Position
Date
NAPIT membership No.

5 For inspection and testing (if different from sec. 3)

I being the person responsible for the inspection and testing of the electrical installation (as indicated by my signature below), particulars of which are described in Section 2, having exercised reasonable skill and care when carrying out the inspection and testing hereby CERTIFY that the work for which I have been responsible is to the best of my knowledge and belief in accordance with BS7671 :2008, amended to (date)
The extent of liability of the signatory or the signatories Is limited to the work described in Section 2 as subject of this certificate.
For the INSPECTION AND TESTING of the Installation:

Company name
Inspector
Company address

Postcode

Signature
Position
Date
NAPIT membership No.

Next inspection I/We the designer(s) recommend that this installation is further inspected after an interval of not more than 3 years/~~months~~

This form is based on the requirements of Appendix 6 of BS 7671

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6 For Designer 1 (if different from sec.3)

Company name
Designer
Address

Postcode
Date NAPIT Membership No.

I/We being the person(s) responsible for design of the electrical installation (as indicated by my/our signature below), particulars of which are described in Section 2, having 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 BS7671:2008, amended to (date)

Signature

For Designer 2**(if applicable & different from sec.3)

Company name
Designer
Address

Postcode
Date NAPIT Membership No.

I/We being the person(s) responsible for design of the electrical installation (as indicated by my/our signature below), particulars of which are described in Section 2, having 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 BS7671:2008, amended to (date)

Signature

7 Supply characteristics and earthing arrangements

Earthing Arrangements TN-S ✓ TN-C-S TT Other Please specify:

Number a type of live conductors a.c. ✓ d.c. No. of phases 1 No. of wires 2

Nature of Supply Parameters (Note: (1) by enquiry, (2) by enquiry or by measurement)

Nominal voltage, U/U_0 (1) 230 V Nominal frequency, f(1) 50 Hz Confirmation of supply polarity

Prospective fault current, I pf (2) 1·44 kA External loop Impedance, Z_e (2) ·16 Ω

Supply Protective Device BS 1361 Type IIb Nominal Current Rating 100 A

Other Sources of Supply

8 Particulars of installation referred to in this certificate

Means of Earthing Distributor's facility ✓ Installation earth electrode

Details of installation Earth Electrode (where applicable) Type (e.g. rod(s), tape etc)

Location Electrode resistance to earth Ω

Maximum demand (Load)

Main Protective Conductors	**Material**	**Csa (mm²)**	**Verified (connection / continuity)**		
Earthing Conductor	COPPER	16	✓	Water installation pipes ✓	Structural steel
Protective Bonding Conductor	COPPER	10	✓	Gas installation pipes —	Lightning protection
Main Supply Conductor	COPPER	25	✓	Oil installation pipes	Other

Main Switch / Switch-Fuse / Circuit Breaker / RCD

Location Hallway BS(EN) 60947/3 No. of Poles 2 Current Rating 100 A

Fuse/device rating or setting — A Voltage rating — V

If RCD main switch: Rated residual operating current I Δn = — mA Rated time delay — ms

Measured operating trip time — ms (at I Δn)

Comments on existing installation (In the case of addition or alteration see Section 633)

INSTALLATION DUE COMPLETE Re-wire.

(For additions or alterations) cables concealed within trunking and conduits, or cables or conduits concealed under floors, in roof spaces and generally within the fabric of the building or underground may not have been inspected. Schedule of Test Results attached Schedule of Inspections attached

This form is based on the requirements of Appendix 6 of BS 7671

NAPIT *Electrical Test Schedule*

Requirements for Electrical Installations – BS 7671:2008 incorporating Amendment No.3,2015 [IET Wiring Regulations 17th Edition]

EIC/EICR 546924

Please complete all the unshaded areas.

Client

Installation address 30 Hoot Hill Birkenhead

Postcode CH41 9DG

Complete in every case

Location of distribution board: Hallway

Distribution board designation: 1ST

Number of ways: 6

Complete only if the distribution board is not connected directly to the origin of the installation

Supply to distribution board is from:

Overcurrent protective device for the distribution circuit: No. of phases: Nominal Voltage: V

Type BS(EN): Rating: A

Supply polarity confirmed: Phase sequence confirmed:

Characteristics at this distribution board

Z_{db}: Ω Operating times of At $I_{\Delta n}$: ms

I_{pf}: kA associated RCD(if any) at 5 $I_{\Delta n}$: ms

Associated RCD (if any): BS (EN)

RCD No of Poles: $I_{\Delta n}$: mA

Test instrument serial number(s)

Earth fault loop imped.: 1219 1829

Insulation resistance: 9

Continuity: 4

RCD: –

CIRCUIT DETAILS

Circuit No. and line No.	Circuit designation	Type of wiring	Ref. method	No. of points served	Circuit conductors csa: Live (mm²)	CPC (mm²)	Maximum disconnection time (BS:7671) (S)	Overcurrent protective devices: BS EN Number	Type No.	Rating (A)	Breaking Capacity (kA)	RCD operating current $I_{\Delta n}$ (mA)	BS7671 Max. permitted value Z_s Other 1.67 Ω
1	Lights Down	1	A	4	1.0	.75	.4	60898	B	6	6	/	4
2	Lights up	1	A	4	1.0	.75	.4	60898	B	6	6	/	4
3													
4	Socket	1	A	16	2.5	1.5	.4	60898	B	32	6	/	4
5	Cooker	1	A	1	6.0	2.5	.4	60898	B	32	6	/	4
6	Shower	1	A	1	6.0	2.5	.4	60898	B	32	6	/	4

TEST RESULTS

Circuit No. and line No.	Circuit impedence Ω: Ring final circuits only (measured end to end) r_1	r_n	r_2	Figure 8 check (✓)	All circuits to be completed using R1 R2, or R2, not both: R_1+R_2	R_2	Insulation resistance (Record lower reading): Live / Live (MΩ)	Live / Earth (MΩ)	Polarity (✓)	Maximum measured Z_s (Ω)	RCD testing: at $I_{\Delta n}$ ms	at 5 $I_{\Delta n}$ ms	Test Button operation (✓)
1	/	/	/	/	.72	/	>200	>200	✓	.86			
2	/	/	/	/	.85	/	>200	>200	✓	1.01			
3													
4	/	/	/	/	1.23	/	>200	>200	✓	1.39	22	7	/
5	/	/	/	/	.90	/	>200	>200	✓	1.06	22	7	/
6	/	/	/	/	1.08	/	>200	>200	✓	1.24	22	7	/

Details of circuits and/or installed equipment vulnerable to damage when testing

See attached sheets page(s) of

Wiring Ty, 1= PVC/PVC 2= Single Insulated in Conduit or Trunking 3= Mineral Insulated 4= SWA/XPLE 5= FP200 6= Other

Tested by: Name (capital letters) C J HOWSON

Position DIY HOWSON

Signature

Date(s) 4.9.17

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