



7.10.6	Warning notice of non-standard (mixed) colours of conductors' present (514.14)	✓
7.11	Presence of labels to indicate the purpose of switchgear and protective devices (514.1.1; 514.8)	✓

## 8.0 Circuits

8.1	Adequacy of conductors for current-carrying capacity with regard to type and nature of the installation (Section 523)	✓
8.2	Cable installation methods suitable for the location(s) and external influences (Section 522)	✓
8.3	Segregation/separation of Band I (ELV) and Band II (LV) circuits, and electrical and non-electrical services (528)	NA
8.4	Cables correctly erected and supported throughout with protection against abrasion (Sections 521, 522)	✓
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, 522.6.202, 522.6.203; 522.6.204)	✓
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)	✓
8.12	Single-pole devices for switching or protection in line conductors only (132.14.1; 530.3.3; 643.6)	✓
8.13	Accessories not damaged, securely fixed, correctly connected, suitable for external influences (134.1.1; 512.2; Section 526)	✓

### 8.14 Provision of additional protection/requirements by RCD not exceeding 30 mA

8.14.1	Socket-outlets rated at 32 A or less, unless exempt (411.3.3)	✓
8.14.2	Supplies for mobile equipment with a current rating not exceeding 32 A for use outdoors (411.3.3)	✓
8.14.3	Cables concealed in walls at a depth of less than 50 mm (522.6.202, 522.6.203)	✓
8.14.4	Cables concealed in walls/partitions containing metal parts regardless of depth (522.6.202; 522.6.203)	✓
8.14.5	Final circuits supplying luminaires within domestic (household) premises (411.3.4)	✓

### 8.15 Presence of appropriate devices for isolation and switching correctly located including:

8.15.1	Means of switching off for mechanical maintenance (Section 464; 537.3.2)	✓
8.15.2	Emergency switching (465.1; 537.3.3)	NA
8.15.3	Functional switching, for control of parts of the installation and current-using equipment (463.1; 537.3.1)	✓
8.15.4	Firefighter's switches (537.4)	NA

## 9.0 Current-Using Equipment (Permanently Connected)

9.1	Equipment not damaged, securely fixed and suitable for external influences (134.1.1; 416.2; 512.2)	✓
9.2	Provision of overload and/or undervoltage protection e.g. for rotating machines, if required (Sections 445, 552)	NA
9.3	Installed to minimize the build-up of heat and restrict the spread of fire (421.1.4; 559.4.1)	✓
9.4	Adequacy of working space. Accessibility to equipment (132.12; 513.1)	✓

## 10.0 Location(s) Containing A Bath Or Shower (Section 701)

10.1	30 mA RCD protection for all LV circuits, equipment suitable for the zones, supplementary bonding (where required) etc.	✓
------	---	---

## 11.0 Other Part 7 Special Installations or Locations (list all other special installations or locations present)

### 11.1 List all other special installations or locations present, if any. (Record separately the results of particular inspections applied)

## 12.0 Schedule of Test Results to be recorded on Schedule of Test Result

12.1	External earth loop impedance, $Z_e$	Yes	12.9	Insulation Resistance between Live Conductors	Yes
12.2	Installation earth electrode	NA	12.10	Insulation Resistance between Live Conductors & Earth	Yes
12.3	Prospective fault current, $I_{pf}$	Yes	12.11	Polarity (prior to energisation)	Yes
12.4	Continuity of Earth Conductors	Yes	12.12	Polarity (after energisation) including phase sequence	Yes
12.5	Continuity of Circuit Protective Conductors	Yes	12.13	Earth Fault Loop Impedance	Yes
12.6	Continuity of ring final circuit	Yes	12.14	RCDs / RCBOs including selectivity	Yes
12.7	Continuity of Protective Bonding Conductors	Yes	12.15	Functional testing of RCD devices	Yes
12.8	Volt drop verified	NA	12.16	Functional testing of AFDD(s) devices	NA

Inspector's Name: Neil Pilmoor

Date: 30/01/2019

Signature: *Neil Pilmoor*





# Electrical Certificate Installation/Modification Test Schedule

for Domestic and Similar Premises up to 100 A Supply

NAPIT

Requirements for Electrical Installations  
BS 7671:2018 (IET Wiring Regulations 18<sup>th</sup> Edition)

NA/ 3 0 5 7 1 0 0 0 0 1 0 4 4  
EIC Page 5 of 6

Client john findlay	Installation Address 186 hull road, york	Postcode yo10 3if
Distribution board details - Complete in every case		
Location kitchen	Complete only if the distribution board is not connected directly to the origin of the installation	Supply to distribution board is from DB1, garage(7)
Designation DB1	Overcurrent protective device for the distribution circuit: 1	No. of phases 1
Num. of ways 10	Nominal Voltage 230	Type B BS(EN) 60898
	Rating 16	BS(EN) 60898
	Supply polarity confirmed <input checked="" type="checkbox"/>	Phase sequence confirmed <input checked="" type="checkbox"/>
Characteristics at this distribution board		
Associated RCD(if any): BS (EN) 61009		
Operating at 1 ldn 24.8 ms		
Zs 1.14 $\Omega$ No. of poles 2		
Operating at 5 ldn 6.1 ms		
Time delay (if applicable)		
Test instrument serial number(s)		
Loop impedance 101287572		
Insulation resistance 101287572		
Continuity 101287572		
RCD 101287572		

CIRCUIT DETAILS														TEST RESULTS															
Circuit No. and Live No.	Distribution board Designation		Type of wiring	Ref. method	Circuit conductors cable			Maximum disconnection time (BS 7671)	Overcurrent protective devices			Residual current capacity (kA)	RCD operating current I <sub>Δn</sub> (mA)	BS 7671 Max. permitted value Zs Other 80% (Ω)	Circuit impedance Ω				Insulation resistance (Record lower reading)				Polarity (✓)	Measured Zs (Ω)	RCD testing			Manual test button operation	
	DB1	Circuit designation			No. of points served	LN (mm <sup>2</sup> )	CPC (mm <sup>2</sup> )		BS EN Number	Type No.	Rating (A)				Ring final circuits only (measured end to end)		Test voltage V	LL LN M(Ω)	L/E N/E M(Ω)	Above 30mA I <sub>Δn</sub> ms	30mA or below 5 I <sub>Δn</sub> ms	RCD (✓)			AFCI (✓)				
															r1	m										r2	R1+R2	R2	
																													Yes (✓)
1	Cooker	A	A	2	6	2.5	.4	60898	B	32	6	30	1.10	NA	NA	NA	NA	.26	NA	250	>200	>200	✓	.66	23.2	5.7	✓	N/A	
2	water heater and boiler	A	A	2	6	2.5	.4	60898	B	32	6	30	1.10	NA	NA	NA	NA	.14	NA	250	>200	>200	✓	.54	23.2	5.7	✓	N/A	
3	Sockets up	A	A	8	2.5	1.5	.4	60898	B	32	6	30	1.10	.54	.54	.90	✓	.76	NA	250	>200	>200	✓	1.06	23.2	5.7	✓	N/A	
4	Lights Down	A	A	15	1.5	1	.4	60898	B	6	6	30	5.82	N/A	N/A	N/A	N/A	1.14	NA	250	>200	>200	✓	1.54	23.2	5.7	✓	N/A	
5	Spare													N/A	N/A	N/A	N/A						N/A					N/A	
6	Sockets kitchen	A	A	11	2.5	1.5	.4	60898	B	32	6	30	1.10	.48	.48	.72	✓	.47	NA	250	>200	>200	✓	.87	24.8	6.1	✓	N/A	
7	garage	F	A	1	2.5	1.5	.4	60898	B	16	6	30	2.18	NA	NA	NA	NA	.74	NA	250	>200	>200	✓	1.14	24.8	6.1	✓	N/A	
8	Sockets ex down	A	A	3	2.5	1.5	.4	60898	B	20	6	30	1.75	N/A	N/A	N/A	N/A	.07	NA	250	>200	>200	✓	.47	24.8	6.1	✓	N/A	
9	Sockets ex up	A	A	2	2.5	1.5	.4	60898	B	20	6	30	1.75	N/A	N/A	N/A	N/A	.40	NA	250	>200	>200	✓	.80	24.8	6.1	✓	N/A	
10	Lights Up	A	A	10	1.5	1	.4	60898	B	6	6	30	5.82	N/A	N/A	N/A	N/A	2.09	NA	250	>200	>200	✓	2.49	24.8	6.1	✓	N/A	

Details of circuits and/or installed equipment vulnerable to damage when testing		Date(s) dead testing	30/01/2019	To	30/01/2019	Date(s) live testing	30/01/2019	To	30/01/2019
all lamps and equipment									
Tested by: Name (capital letters) NEIL PILMOOR		Position Electrician		Date 30/01/2019		Signature Neil Pilmoor			
Wiring Types: A PVC/PVC B PVC cables in metallic Conduit C PVC cables in non-metallic Conduit D PVC cables in metallic Trunking E PVC cables in non-metallic Trunking F PVC/SWA cables G SWA/XPLE cables H Mineral insulated I Other									

Requirements for Electrical Installations  
BS 7671:2018 (IET Wiring Regulations 18<sup>th</sup> Edition)

NA/ EIC 3 0 5 7 1 0 0 0 0 1 0 4 4 Page 6 of 6

**Client** john findlay

**Distribution board details - Complete in every case**

Location	garage
Designation	DB2
Num. of ways	5

**Installation Address** 186 hull road, york

Complete only if the distribution board is not connected directly

Overcurrent protective device for the distribution circuit:	No. of phases 1	Supply to distribution board is from DB1, garage(7)
Nominal Voltage 230	Type B	BS(EN) 60898
Supply polarity confirmed	Rating 16	
	<input checked="" type="checkbox"/>	Phase sequence confirmed

### Characteristics at this distribution board

Associated RCD(if any): BS (EN)

61009

$Z_{in}$	1.14	$\Omega$	No. of poles	2
----------	------	----------	--------------	---

$I_{\text{pr}}$	0.476	kA	$I \Delta n$	30
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Time delay (if applicable)

Above 30mA

Operating at 1 lAn 24.8 ms

30mA or below

Operating at 5 I<sub>AN</sub> 6.1 ms

Operating at 100% 0.1

Postcode yo10 3lf

Test instrument serial number(s)

Loop impedance 101287572

Loop impedance	101287572
Injection resistance	101287572

Insulation resistance	101287572
...	101287572

Continuity 101287572

RCD 101287572

### CIRCUIT DETAILS

## TEST RESULTS

[illegible]

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

Date(s) dead testing 30/01/2019 To 30/01/2019

Date(s) live testing	30/01/2019	To	30/01/2019
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Signature *Neil Pismoor*

all lamps and equipment

Tested by: Name (capital letters) NEIL PILMOOR

Position Electrician

Date 30/01/2019

Tested by: Name (capital letters) NEIL PILMOOR Position Electrician

Wiring Types. A PVC/PVC B PVC cables in metallic Conduit C PVC cables in non-metallic Conduit D PVC cables in metallic Trunking E PVC cables in non-metallic Trunking F PVC/SWA cables G SWA/XPLE cables H Mineral Insulated I Other





# Electrical Certificate Installation/Modification

for Domestic and Similar Premises up to 100 A Supply

Requirements for Electrical Installations  
BS 7671:2018 (IET Wiring Regulations 18<sup>th</sup> Edition)

NA/ 3 0 5 7 1 0 0 0 0 1 0 4 4  
EIC Page 2 of 6

## 1 Details of the Installation

Client	john findlay	Installation	john findlay
Address	20 fishergate york north yorkshire	Address	186 hull road york north yorkshire
Postcode	yo10 4ab	Postcode	yo10 3lf

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

Installation is New ☒ Addition ☐ Alteration ☐ Records Available Yes ☐ No ☐ Date of original installation Not Specified

Description of installation

all circuits tested satisfactory

Extent of installation covered by this certificate

installation of new consumer unit

Details of departures from BS 7671 (regulations 120.3, 133.1.3 and 133.5) none

Details of permitted exception. (regulation 411.3.3) where applicable a suitable risk assessment(s) must be attached to this certificate

Risk assessment attached ☐  
(Non Dwelling ONLY)

## 3 Declaration For design, construction, inspection and testing (for sole person responsibility)

I being the person responsible for design, construction, inspection and the 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 7671:2018, amended to N/A  
The extent of liability of the signatory or the signatories is limited to work described in Section 2 as subject of this certificate.

For the DESIGN / CONSTRUCTION / INSPECTION & TEST of the installation:

Company N Pilmoor Electrical

Inspector Name Neil Pilmoor

Address 5 Grasmere Drive  
YORK, North Yorkshire  
YO10 3RY

Signature

Neil Pilmoor

Position

Electrician

Date

30/01/2019

Member No.

30571

Next inspection I the designer recommend that this installation is further inspected after an interval of not more than 5 years

## 4 Supply characteristics and earthing arrangements

Earthing Arrangements TN-S ☒ TN-C-S ☐ TT ☐ Other ☐ If Other please specify N/A

Number & Type of live conductors AC ☒ DC ☐ No. of phases 1 No. of wires 2

Nature of Supply Parameters (Note: <sup>(1)</sup> by enquiry, <sup>(2)</sup> by enquiry or by measurement)

Nominal voltage, U<sub>0</sub> <sup>(1)</sup> 230 V

Nominal frequency, f<sup>(1)</sup> 50 Hz Confirmation of polarity ☒

Prospective fault current, I<sub>pf</sub> <sup>(2)</sup> 0.573 kA

External loop impedance, Z<sub>e</sub> <sup>(2)</sup> .40 Ω Or Z<sub>eb</sub> Source of Circuit

Supply Protective Device BS (EN) 1361

Type 2 Rated Current 60 A

Other Sources of Supply (as detailed on attached schedule) none

## 5 Particulars of installation referred to in this certificate

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

Location Electrode resistance to earth Ω

Means of Earthing

Distributors facility ☒ Installation Earth Electrode ☐

Main Protective Conductors Material csa (✓) or Value

Maximum Demand (load) 100 Amps ☒ KVA ☐

Earthing Conductor Copper 10 ✓ Ω (connection / continuity) (✓) or Value

(✓) or Value

Protective Bonding Conductor (to extraneous-conductive-parts) Copper 10 ✓

Water installation ☒ Ω To structural steel ☐ Ω

Gas installation pipes ☒ Ω To lightning protection ☐ Ω

Oil installation pipes ☐ Ω Other 6mm to water ☐ Ω

Main Supply Conductor Copper 16

Main Switch Location back room

Fuse/device rating or setting 100 A Voltage rating 230 V

BS(EN) 60947-3 No. of Poles 2 Current Rating 100 A

If RCD main switch: Rated residual operating current I<sub>Δn</sub> N/A mA

Rated time delay N/A ms Measured operating trip time n/a ms

Comments on existing installation (in case of addition or alteration see section 644.1.2) use continuation sheet if needed

all satisfactory

(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.



## Outcomes

Indicates an inspection has been carried out and the result is satisfactory	✓	Indicates the inspection is not applicable to a particular item	NA
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Item No.	Description	Outcome
----------	-------------	---------

### 1.0 External Condition Of Intake Equipment (Visual Inspection Only) Where inadequacies are encountered, it is recommended that the person ordering the report informs the appropriate authority

1.1	Service cable	✓
1.2	Service head	✓
1.3	Earthing arrangement	✓
1.4	Meter tails	✓
1.5	Metering equipment	✓
1.6	Isolator (where present)	✓

### 2.0 Parallel Or Switched Alternative Sources Of Supply

2.1	Adequate arrangements where a generating set operates as a switched alternative to the public supply (551.6)	NA
2.2	Adequate arrangements where a generating set operates in parallel with the public supply (551.7)	NA

### 3.0 Automatic Disconnection Of Supply, Presence And Adequacy Of Earthing And Protective Bonding Arrangements

3.1	Distributor's earthing arrangement (542.1.2.1; 542.1.2.2)	✓
3.2	Installation earth electrode (where applicable) (542.1.2.3)	NA
3.3	Earthing conductor and connections, including accessibility (542.3; 543.3.2)	✓
3.4	Main protective bonding conductors and connections, including accessibility (411.3.1.2; 543.3.2; Section 544.1)	✓
3.5	Provision of safety electrical earthing/bonding labels at all appropriate locations (514.13)	✓
3.6	RCD(s) provided for fault protection (411.4.204; 411.5.3)	✓

### 4.0 Basic Protection, Presence And Adequacy Of Measures To Provide Basic Protection (Prevention Of Contact With Live Parts) Within The Installation

4.1	Insulation of live parts e.g. conductors completely covered with durable insulating material (416.1)	✓
4.2	Barriers or enclosures e.g. correct IP rating (416.2)	✓

### 5.0 Additional Protection, Presence And Effectiveness Of Additional Protection Methods

5.1	RCD(s) not exceeding 30 mA operating current (415.1; Part 7), see Item 8.14 of this schedule	✓
5.2	Supplementary bonding (415.2; Part 7)	NA

### 6.0 Other Methods Of Protection, Presence And Effectiveness Of Methods Which Give Both Basic And Fault Protection

6.1	SELV system, including the source and associated circuits (Section 414)	NA
6.2	PELV system, including the source and associated circuits (Section 414)	NA
6.3	Double or reinforced insulation i.e. Class II or equivalent equipment and associated circuits (Section 412)	NA
6.4	Electrical separation for one item of equipment e.g. shaver supply unit (Section 413)	NA

### 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)	✓
7.2	Components are suitable according to assembly manufacturer's instructions or literature (536.4.203)	✓
7.3	Presence of linked main switch(es) (462.1.201)	NA
7.4	Isolators, for every circuit or group of circuits and all items of equipment (462.2)	✓
7.5	Suitability of enclosure(s) for IP and fire ratings (416.2; 421.1.6; 421.1.201; 526.5)	✓
7.6	Protection against mechanical damage where cables enter equipment (522.8.1; 522.8.5; 522.8.11)	✓
7.7	Confirmation that ALL conductor connections are correctly located in terminals and are tight and secure (526.1)	✓
7.8	Avoidance of heating effects where cables enter ferromagnetic enclosures e.g. steel (521.5)	✓
7.9	Selection of correct type and ratings of circuit protective devices for overcurrent and fault protection (411.3.2; 411.4, 411.5, 411.6; Sections 432, 433, 537.3.1.1)	✓

#### 7.10 Presence of appropriate circuit charts, warning and other notices:

7.10.1	Provision of circuit charts/schedules or equivalent forms of information (514.9)	✓
7.10.2	Warning notice of method of isolation where live parts not capable of being isolated by a single device (514.11)	✓
7.10.3	Periodic inspection and testing notice (514.12.1)	✓
7.10.4	RCD six-monthly test notice; where required (514.12.2)	✓
7.10.5	AFDD six-monthly test notice; where required	NA