



# NAPIT Minor Works/Single Circuit Electrical Certificate

Requirements for Electrical Installations – BS 7671 [IEE Wiring Regulations 17th Edition]

Can be used for alterations, additions or installation of a new circuit.

Please complete all the unshaded areas.

NA/MW/SCC

**1** Owner/Occupier **A B SMITH**  
 Address **12 OLD STREET  
OLD TOWN**  
 Postcode **CF1 4F2**

Description of works  
**NEW COOKER CIRCUIT**

Date of completion **01 / 07 / 2008**

**2 Supply characteristics and earthing arrangements**

Supply systems TN-S  TN-C-S  TT  Number & type of live conductors No. of phases **1** No. of wires **2**

Nature of Supply Parameters (by enquiry or by measurement)  
 Nominal voltage, U/U<sub>0</sub> **230** v Nominal frequency, f **50** Hz Phase sequence **N/A**  
 Prospective fault current, I<sub>pf</sub> (note 6) **1.91** kA External loop impedance, Z<sub>e</sub> **0.12** Ω

Supply Protective Device Characteristics BS **LIM** Type **LIM** Nominal Current Rating **LIM** A Max Demand **45** kVA/Amps

Means of Earthing Distributor's facility  Installation earth electrode

Details of Installation Earth Electrode (where applicable) Type (e.g. rod(s), tape etc) **N/A**  
 Location **N/A** Electrode resistance to earth **N/A** Ω

Main Protective Conductors	Material	Csa (mm <sup>2</sup> )	Verified	Water Csa(mm <sup>2</sup> )	Gas Csa(mm <sup>2</sup> )	Oil Csa(mm <sup>2</sup> )
Earthing Conductor	<b>COPPER</b>	<b>16</b>	<input checked="" type="checkbox"/>	<b>10</b>	<b>10</b>	<b>N/A</b>
Protective Bonding Conductor	<b>COPPER</b>	<b>10</b>	<input checked="" type="checkbox"/>	Other <b>N/A</b>	Csa(mm <sup>2</sup> ) <b>N/A</b>	<b>N/A</b>

Main Switch or Circuit Breaker Material Csa(mm<sup>2</sup>) Verified  
 BS **5419** Type **---** Supply conductor **COPPER** **25**

Location **UNDER STAIR** **2** No. of Poles Current rating **80** Voltage rating **230**  
 Fuse or Trip Setting **N/A** A Voltage rating **230**

Rated residual operating current I<sub>Δn</sub> = **N/A** mA measured operating time of **N/A** ms (at I<sub>Δn</sub>)  
 (applicable only where an RCD is suitable and is used as a main circuit-breaker)

**3 Visual Check (1st Fix) (1st column) Inspection Results (2nd Fix) (2nd column) Please tick, cross, N/C or N/A**

<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Protective Bonding Conductor present and adequate	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	All Cable Cores correctly identified in joints & accessories
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Correct Circuit Protection Device fitted and identified	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Appropriate Supplementary Bonding present & verified
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Correct Cable type and size used, allowing for external influences and volt drop	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Modifications to the Building Fabric appropriate and safe
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Cable run in 'safe' zones and adequately protected	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	All accessories correctly placed and appropriate for external influences
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Cables securely fastened or in appropriate wiring systems	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	All covers replaced, accessories secure & neatly aligned
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	All cables joints correctly terminated, secure & accessible	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Additional protection provided by RCD where required
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Voltage drop verified	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Circuit details correct on the installation schedule

For comments on existing installations see attached pages **N/A** of **N/A**

Name	Signature	Position	Date
<b>AB BROWN</b>	<b>AB BROWN</b>	<b>INSPECTOR</b>	<b>01/07/2008</b>

**4 Essential Tests** **80** %

Ct No.	P/Device BS No.	Type	A	Rcd mA	Max Zs	Ring Circuit Only r <sub>1</sub> Ω	r <sub>n</sub> Ω	r <sub>2</sub> Ω	R <sub>1</sub> +R <sub>2</sub> or R <sub>2</sub> Ω	L/L L/N MΩ	L/E MΩ	N/E MΩ	Zs Ω	I <sub>Δn</sub> ms	5I <sub>Δn</sub> ms
<b>1</b>	<b>60898</b>	<b>B</b>	<b>32</b>	<b>30</b>	<b>1.15</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>0.10</b>	<b>200+</b>	<b>200+</b>	<b>200+</b>	<b>0.22</b>	<b>38.2</b>	<b>19.4</b>

**5 Declaration** 1. I/We certify that the said works do not impair the safety of the existing installation, that the said works, as far as it is reasonably practical to determine, have been designed, constructed, inspected and tested in accordance with BS 7671: **2008**, (IEE Wiring Regulations) amended to **2008** and that the said works, to the best of my/our knowledge and belief, at the time of my/our inspection, complied with Chapter 13 of BS 7671: **2008**.

2. Company name <b>BROWN</b>	3. Signature <b>A. B. Brown</b>
Inspector name <b>A B BROWN</b>	Position <b>INSPECTOR</b>
Company address <b>2 NEW ROAD OLD TOWN</b>	Date <b>01 / 07 / 2008</b>
Postcode <b>CF1 4FI</b>	4. An inspection and test of this installation is recommended after an interval of not more than <b>5</b> years/months.
NAPIT Membership No. <b>448811</b>	