

ELECTRICAL INSTALLATION CERTIFICATE

BS 7671:2008 – single signature

Certificate number: JL261016

Registration number: EPP2856 (optional)



DETAILS OF CLIENT:

Event Eateries
Cereddyn Bridge
Newpeter
SA48 8BA

INSTALLATION ADDRESS:

Catering Trailer
CK12 554 SYR17STTUK

JOB NUMBER (optional)

Sheet 1 of 3

DESCRIPTION AND EXTENT OF INSTALLATION COVERED BY THIS CERTIFICATE

Trailer connected to a temporary supply

New installation Addition Alteration

FOR DESIGN, CONSTRUCTION, INSPECTION AND TEST

I/We being the person responsible for design, construction, inspection and 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 and testing, hereby CERTIFY that the said work for which I/we have been responsible is, to the best of my knowledge and belief, in accordance with BS 7671:2008 as amended to except for the departures, if any, detailed as follows:

Departures and comments on existing installations (120.3; 133.5)

Name: R WILLIAMS
For: Spibn Spax Ltd
Position: Electrician
Signature: [Signature]
Date: 26/10/16
Next Inspection: 26/10/17

I/We recommend that the installation be further inspected and tested after an interval of not more than 1 years.

SUPPLY CHARACTERISTICS AND EARTHING ARRANGEMENTS

Nominal voltage U/Uo 230 V
Prospective fault current, Ipf kA
Frequency F 50 Hz
External loop impedance, Ze Ohms
Alternative source of supply a.c. d.c.

Number and type of live conductors
✓ copper 1-phase, 2-wire
..... 3-phase, 3-wire
..... 4-phase, 4-wire

Supply protective device characteristics
Type/BS (EN) 61009
Rated Current 63/63 A

Earthing arrangements
✓ TN-S
TN-C-S
TT
Other

Distributor's facility
Installation earth electrode
Type
(Rod, plate, tape, etc.)
Location
Resistance Ohms

PARTICULARS OF INSTALLATION REFERRED TO IN THIS CERTIFICATE

Maximum demand
kVA / Amps
32/32

Main switch or circuit breaker
BS 61009 Current rating 63 A
Type No. of poles 2
Location Boards
Voltage 230 V Fuse rating 6.3 A
Rating V or setting A
RCD trip time See above mA
(Applicable only where RCD is suitable and is used as a main circuit breaker)

Location of main protective bonding connections
chassis

Earthing conductor
✓ Copper
Steel
Aluminium

Main protective conductors
CSA 6 mm² Connections verified ✓
Main protective bonding conductor
✓ Copper CSA 10 mm² Connections verified ✓
Steel Main bonding:
Aluminium Water Gas Other ✓

SCHEDULE OF INSPECTIONS

NOTES:

- ✓ to indicate an inspection has been carried out and the result is satisfactory
- N/A to indicate that the inspection is not applicable to a particular item

NOTE – items marked as grey are seldom relevant in a domestic setting

Sheet 2 of 3

METHODS OF PROTECTION AGAINST ELECTRIC SHOCK

Basic protection:

- (i) Insulation of live parts
- (ii) Barriers or enclosures

Fault protection:

(i) Automatic disconnection of supply:

- Presence of earthing conductor
- Presence of circuit protective conductors
- Presence of protective bonding conductors
- Presence of supplementary bonding conductors
- Choice of setting of protective and monitoring devices (for fault and/or overcurrent protection)

Additional protection:

- Presence of residual current device(s)
- Presence of supplementary bonding conductors

PREVENTION OF MUTUAL DETRIMENTAL INFLUENCE

- (a) Proximity to non-electrical services and other influences
- (b) Segregation of Band I and Band II circuits or use of Band II insulation

IDENTIFICATION

- (a) Presence of diagrams, instructions, circuit charts and similar information
- (b) Presence of danger notices and other warning notices
- (c) Labelling of protective devices, switches and terminals
- (d) Identification of conductors

CABLES AND CONDUCTORS

- Selection of conductors for current-carrying capacity and voltage drop
- Erection methods
- Routing of cables in prescribed zones
- Cables incorporating earthed armour or sheath, or run within an earthed wiring system, or otherwise adequately protected against nails, screws and the like

CABLES AND CONDUCTORS (continued)

- Additional protection provided by 30 mA RCD for cables concealed in walls (where required in premises not under the supervision of a skilled or instructed person)
- Connection of conductors
- Presence of fire barriers, suitable seals and protection against thermal effects

GENERAL

- Presence of correct location of appropriate devices for isolation and switching
- Adequacy of access to switchgear and other equipment
- Particular protective measures for special installations and locations
- Connection of single-pole devices for protection or switching in line conductors only
- Correct connection of accessories and equipment
- Selection of equipment and protective measures appropriate to external influences
- Selection of appropriate functional switching devices

ADDITIONAL SCHEDULE OF ITEMS INSPECTED (where applicable)

- SELV
- PELV
- Double insulation
- Reinforced insulation
- Obstacles
- Placing out of reach
- Presence of earthing arrangements for combined protective and functional purposes
- Presence of adequate arrangements for alternative source(s), where applicable
- FELV
- Absence of protective conductors
- Presence of earth-free local equipotential bonding
- Electrical separation provided for **one item** of current-using equipment
- Electrical separation provided for **more than one item** of current-using equipment
- Segregation of safety circuits
- Presence of undervoltage protective devices

SCHEDULE OF TEST RESULTS

Used as primary sheet

Used as continuation sheet

Sheet **3** of **3**

DB Reference no. Bath Details of circuits and/or installed equipment vulnerable to damage when testing
 Location under counter Continuity AS logged
 Zs at DB (Ω) _____ Insulation resistance _____
 I_{pf} at DB (kA) _____ Earth fault loop impedance _____
 Correct polarity of supply confirmed YES NO RCD _____
 Phase sequence confirmed (where appropriate) N/A Earth electrode resistance _____

Tested by: R Williams
 Name (CAPITALS) _____
 Signature [Signature] Date 20/10/16

Circuit details								
Circuit number	Circuit description	Overcurrent device				Conductor details		
		BS (EN)	Type	Rating (A)	Breaking capacity (kA)	Reference method	Live (mm ²)	cpc (mm ²)
A	B	C	D	E	F	G	H	I
<u>L/A</u>	<u>RCD</u>	<u>61009</u>		<u>63</u>	<u>10</u>		<u>6.0</u>	<u>6.0</u>
	<u>Back Sks.</u>	<u>60898</u>	<u>B</u>	<u>32</u>	<u>6</u>		<u>2.5</u>	<u>2.5</u>
	<u>Front Sks</u>	<u>60898</u>	<u>B</u>	<u>20</u>	<u>6</u>		<u>2.5</u>	<u>2.5</u>
	<u>Fused Spur</u>	<u>60898</u>	<u>B</u>	<u>16</u>	<u>6</u>		<u>2.5</u>	<u>2.5</u>
	<u>lights</u>	<u>60898</u>	<u>B</u>	<u>6</u>	<u>6</u>		<u>1.0</u>	<u>1.0</u>
<u>R/A</u>	<u>RCD</u>	<u>61009</u>		<u>63</u>	<u>10</u>		<u>6.0</u>	<u>6.0</u>
	<u>40 amp</u>	<u>60898</u>	<u>B</u>	<u>40</u>	<u>6</u>		<u>2.5</u>	<u>2.5</u>
	<u>Back Sks</u>	<u>60898</u>	<u>B</u>	<u>32</u>	<u>6</u>		<u>2.5</u>	<u>2.5</u>
	<u>front skt.</u>	<u>60898</u>	<u>A</u>	<u>20</u>	<u>6</u>		<u>2.5</u>	<u>2.5</u>

Test results													Remarks (continue on a separate sheet if necessary)
Ring final circuit continuity (Ω)			Continuity (Ω) (R ₁ +R ₂) or R ₂		Insulation resistance (MΩ)		Polarity	Z _s (Ω)	RCD (ms)				
r ₁ (line)	r _n (neutral)	r ₂ (cpc)	(R ₁ +R ₂)*	R ₂	Live-Live	Live-E	✓	Ω	@ _Δ n	@ _{5Δ} n	Test button operation		
J	K	L	M	N	O	P	Q	R	S	T	U	V	
							✓		<u>34.6</u>	<u>14.7</u>	✓		
<u>.4</u>	<u>.4</u>	<u>.4</u>	<u>.04</u>		<u>200+200</u>	<u>200</u>	✓	<u>.93</u>					
			<u>.05</u>		<u>200+200</u>	<u>200</u>	✓	<u>.88</u>					
			<u>.02</u>		<u>200+200</u>	<u>200</u>	✓	<u>.76</u>					
			<u>.03</u>		<u>200+200</u>	<u>200</u>	✓	<u>1.01</u>					
							✓		<u>30.3</u>	<u>14.3</u>	✓		
					<u>200+200</u>	<u>200</u>	✓	<u>.70</u>					
<u>.4</u>	<u>.4</u>	<u>.4</u>	<u>.01</u>		<u>200+200</u>	<u>200</u>	✓	<u>.73</u>					
			<u>.01</u>		<u>200+200</u>	<u>200</u>	✓	<u>.78</u>					

* Where there are no spurs connected to a ring final circuit this value is also the (R₁+R₂) of the circuit.