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APPROVED CONTRACTOR

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IPN3/0438303

ELECTRICAL INSTALLATION CONDITION REPORT

Issued in accordance with British Standard 7671 - Requirements for Electrical Installations by an Approved Contractor or Conforming Body enrolled with NICEIC, Warwick House, Houghton Hall Park, Houghton Regis, Dunstable LU5 5ZX

Original (To the person ordering the work)

A. DETAILS OF THE CLIENT

Client: Mr N Mattey

Address: Unit 9
Spitfire Business Park
Hawker Road
Postcode: CR0 4RF

B. PURPOSE OF THE REPORT

This report must be used only for reporting on the condition of an existing installation.

Purpose for which this report is required: Landlord Test

Date(s) on which inspection and testing were carried out:

C. DETAILS OF THE INSTALLATION

Occupier: Purefoods Systems

Address: Purefoods Systems
Unit 9
Spitfire Business Park
Hawker Road
Postcode: CR0 4RF

Estimated age of the electrical installation: 15 years

Description of premises: domestic, commercial, industrial, other (Please state): Industrial

Evidence of alterations or additions: ✔

If yes, estimated age: 1 years

Date of previous inspection:

Electrical Installation Certificate No or previous Periodic Inspection or Condition Report No:

Records of installation available: No

Records held by:

D. EXTENT OF THE INSTALLATION AND LIMITATIONS ON THE INSPECTION AND TESTING

Extent of the electrical installation covered by this report:

All area's

Agreed limitations (including the reasons), if any, on the inspection and testing:

No removal of panels or boards
Insulation test Ph/N - Earth only
No test on lighting over 2.4m
No EM testing (only power off test- if visible)
No Fire/Smoke detection tests

Agreed with: NM

Operational limitations including the reasons (see page No. NM)

Unable to power down some circuits for operational reasons

The inspection has been carried out in accordance with BS 7671, as amended. Cables concealed within trunking and conduits, or cables and conduits concealed under floors, in inaccessible roof spaces and generally within the fabric of the building or underground, have not been visually inspected.

E. SUMMARY OF THE CONDITION OF THE INSTALLATION

General condition of the installation (in terms of electrical safety):

Metal clad fittings & conduit has been used with singles, twin & earth & FP200 type cable throughout - much the conduit is not continuous.
Rcd protection has been provided.
There are many redundant isolators & equipment - all decommissioned
Building works o/g

Summary of the condition of the installation continued on additional pages? No ✔ Yes Specify page No(s):

Overall assessment of the installation: SATISFACTORY / ~~UNSATISFACTORY~~ *(Delete as appropriate)*

An 'Unsatisfactory' assessment indicates that dangerous and/or potentially dangerous conditions have been identified

This report should have been reviewed and confirmed by the registered Qualified Supervisor of the Approved Contractor responsible for issuing it. (See declaration on page 2)

Please see the 'Notes for Recipients'

ELECTRICAL INSTALLATION CONDITION REPORT

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F. OBSERVATIONS AND RECOMMENDATIONS FOR ACTIONS TO BE TAKEN

Referring to the attached schedules of inspection and test results, and subject to the limitations at D:

There are no items adversely affecting electrical safety. ✔ **or** The following observations and recommendations for are made N/A

Item No		Classification code †	Further investigation required (Y or ✔)
1	Cover missing from MET	C3	No
2	Many redundant cables & fittings	C3	No
3	Meter tails are different diameters	C3	No

Additional Pages? No ✔ Yes Specify page

†*One of the following codes, as appropriate, has been allocated to each of the observations made above to indicate to the person(s) responsible for the installation the degree of urgency for remedial action:*

Code C1 ***"Danger Present".*** Risk of injury. Immediate remedial action required.
Code C2 ***"Potentially dangerous".*** Urgent remedial action required.
Code C3 ***"Improvement recommended".***
Code FI ***"Further investigation required without delay".***

Please see the notes for recipient for guidance regarding the Classification codes.

Immediate remedial action required for items:

Urgent remedial action required for items:

Further investigation required without delay for items:

Improvement recommended for items: 1, 2, 3

G. DECLARATION

I/We, being the person(s) responsible for the inspection and testing of the electrical installation (as indicated by my/our signatures below), particulars of which are described in page 1 (see C), having exercised reasonable skill and care when carrying out the inspection and testing, hereby declare that the information in this report, including the observations (see F) and the attached schedules (see H), provides an accurate assessment of the condition of the electrical installation taking into account the stated extent of the installation and the limitations of the inspection and testing (see D).

I/We further declare that in my/our judgement, the said installation was overall in SATISFACTORY / ~~UNSATISFACTORY~*~~ **condition (see F) at the time the inspection was carried out, and that it should be further inspected as recommended (see I).**

**Delete as appropriate*

INSPECTION, TESTING AND ASSESSMENT BY:

Signature	
Name (CAPITALS)	KEVIN DUFFY
Position	Qualified Supervisior
Date:	15/07/2017

REPORT REVIEWED AND CONFIRMED BY:

Signature	
Name (CAPITALS)	KEVIN DUFFY
	(Registered Qualified Supervisor for the Approved Contractor at J)
Date:	15/07/2017

Please see the 'Guidance for Recipients on the classification codes' in the 'Notes for Recipients'

ELECTRICAL INSTALLATION CONDITION REPORT

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H. SCHEDULES AND ADDITIONAL PAGES

Inspection Schedule: Page(s) No 4,5,6

Additional pages, including additional source(s) data sheets: Page No(s)

Schedule of Circuit Details for the Installation: Page No(s) 7, 9

Schedule of Test Results for the Installation: Page No(s) 8, 10

The pages identified are an essential part of this report. The report is valid only if accompanied by all the schedules and additional pages identified above.

I. NEXT INSPECTION

I/We recommend that this installation is further inspected and tested after an interval of not more th 1 year (Enter interval in terms of years, months or weeks, as appropriate)

provided that any items at F which have been attributed a Classification code C1 (danger present) are remedied immediately and that any items which have been attributed a code C2 (potentially dangerous) or require further investigation are remedied or investigated respectively as a matter of urgency. Items which have been attributed a Classification code C3 should be improved as soon as practicable (see F).

J. DETAILS OF NICEIC APPROVED CONTRACTOR

Trading Title: londonsparks.com

Address:

Airport House
Purley Way
Croydon
Surrey

Postcode:CR0 0XZ

Telephone number: +447850 557684

Email Address: kevin@londonsparks.com

Enrolment number: D035258 (Essential information)

Branch number: (if applicable)

K. SUPPLY CHARACTERISTICS AND EARTHING ARRANGEMENTS

System Type(s)		Number and Type of Live Conductors						Nature of Supply Parameters				Characteristics of Primary Supply Overcurrent Protective Device(s)	
TN-S	✔		a.c. ✔			d.c.	N/A	Nominal Voltage(s): U(1)	400 V	U_0 (1)	V	BS(EN)	BS 1361 Fuse HBC Domesti
TN-C-S	✔	1-phase (2 wire)	N/A	1-phase (3 wire)	N/A	2 pole	N/A	Nominal frequency, f(1)	50 Hz	*Notes:* *(1) by enquiry*		Type	2b
TN-C	N/A	2-phase (3 wire)	N/A			3 pole	N/A	Prospective fault current, I_{pf} (2)(3)	2.14 kA	*(2) by enquiry or by measurement*		Rated current	100 A
TT	N/A	3-phase (3 wire)	✔	3-phase (4 wire)	N/A	other		External earth fault loop impendance, Z_e (3)(4)	0.19 Ω	*(3) where more than one supply, record the higher or highest values*		Short-circuit capacity	kA
IT	N/A	Other						Number of sources	2	*(4) by measurement*		Confirmation of supply polarity	✕ (✔)

L. PARTICULARS OF INSTALLATION AT THE ORIGIN

Means of Earthing

Distributor's facility: ✔

Installation earth electrode: N/A

Details of Installation Earth Electrode (where applicable)

Type: (eg rod(s),tape(s))

Electrode resistance, R_A: (Ω)

Location:

Method of measurement:

Main Switch/Switch-Fuse/Circuit-Breaker/RCD

Type: BS(EN)	60439-3	Voltage rating	400	V
No of Poles	3	Rated current, I_n	200	A
Primary supply conductors material	Copper	RCD operating current, $I_{\Delta n}$*		mA
Primary supply conductors csa	25/16 mm²	Rated time delay*		ms
		RCD operating time (at $I_{\Delta n}$)*		ms

Earthing and protective bonding conductors

Earthing conductor

Conductor material	Copper	
Conductor csa	16	mm²
Connection/ continuity verified	✔	(✔)

Main protective bonding conductors

Conductor material	Copper	
Conductor csa	10	mm²
Connection/ continuity verified	✔	(✔)

Bonding of extraneous-conductive-parts (✔)

Water service	✔	Gas Service	✔
Oil service	N/A	Structural steel	✔
Lightning protection	N/A	Other incoming service(s)	N/A
Specify			

** (applicable only where an RCD is suitable and is used as a main circuit-breaker)*

Please see the 'Notes for Recipients'

ELECTRICAL INSTALLATION CONDITION REPORT

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INSPECTION SCHEDULE FOR DISTRIBUTION BOARDS AND CIRCUITS †

Item	Description	Outcome *	Location reference
1.0	**Condition/adequacy of distributor's/supply intake equipment**		
1.1	Service cable	✔	
1.2	Service cut-out/fuse(s)	✔	
1.3	Meter tails - distributor	✔	
1.4	Meter tails - consumer	✔	
1.5	Metering equipment	✔	
1.6	Means of main isolation (where present)	✔	
2.0	Presence of adequate arrangements for parallel or switched alternative sources		
3.0	**Automatic disconnection of supply**		
3.1	**Main earthing and bonding arrangements**		
*	Presence and condition of distributor's earthing arrangement	✔	
*	Presence and condition of earth electrode arrangement	✔	
*	Adequacy of earthing conductor size	✔	
*	Adequacy of earthing conductor connections	✔	
*	Accessibility of earthing conductor connections	✔	
*	Adequacy of main protective bonding conductor size(s)	✔	
*	Adequacy of main protective bonding conductor connections	✔	
*	Accessibility of main protective bonding connections	✔	
*	Provision of earthing/bonding labels at all appropriate locations	✔	
3.2	FELV		
*	Source providing at least simple separation		
*	Plugs, socket-outlets and the like not interchangeable with those of other systems within the premises		
3.3	Reduced low voltage		
*	Adequacy of source		
*	Plugs, socket-outlets and the like not interchangeable with those of other systems within the premises		
4.0	**Other methods of protection (where the methods of protection listed below are employed,details should be provided on separate sheets)**		
4.1	Double insulation		
4.2	Reinforced insulation		
4.3	Use of obstacles		
4.4	Placing out of reach		
4.5	Non-conducting location		
4.6	Earth-free local equipotential bonding		
4.7	Electrical separation for more than one item of equipment		
5.0	**Distribution equipment**		
5.1	Adequacy of working space/accessibility of equipment		
5.2	Security of fixing	✔	
5.3	Condition of insulation of live parts		
5.4	Adequacy/security of barriers		
5.5	Condition of enclosure(s) in terms of IP rating		
5.6	Condition of enclosure(s) in terms of fire rating		
5.7	Enclosure not damaged/deteriorated so as to impair safety		
5.8	Presence of main switch(es), linked where required	✔	
5.9	Operation of main switch(es) (functional check)	✔	
5.10	Correct identification of circuit protective devices		
5.11	Adequacy of protective devices for prospective fault current		
5.12	RCD(s) provided for fault protection - includes RCBOs	✔	

*** All Boxes must be completed**
'✔' indicates **Acceptable condition**
'LIM' indicates a **limitation**
'N/A' indicates **Not applicable**

Unacceptable condition state **C1** or **C2**
Improvement recommended state **C3**
Further investigation required state **F/I**
(to determine whether danger or potential (danger exists)

Outcome
Provide additional comment where appropriate on attached numbered sheets. C1, C2 and C3 coded items to be recorded in section F of the report.

ELECTRICAL INSTALLATION CONDITION REPORT

Original (To the person ordering the work)

INSPECTION SCHEDULE FOR DISTRIBUTION BOARDS AND CIRCUITS †

Item	Description	Outcome *	Location reference
5.13	RCD(s) provided for additional protection - includes RCBOs	✔	
5.14	RCD(s) provided for protection against fire - includes RCBOs		
5.15	Manual operation of circuit-breakers and RCDs to prove disconnection		
5.16	Presence of RCD retest notice at or near equipment where required		
5.17	Presence of diagrams, charts or schedules at or near equipment where required	C3	
5.18	Presence of non-standard (mixed) cable colour warning notice at or near equipment where required	C3	
5.19	Presence of alternative supply arrangement warning notice(s) at or near equipment where required		
5.20	Presence of replacement next inspection recommendation label		
5.21	Presence of other required labelling (specify)		
5.22	Examination of protective device(s) and base(s); correct type and rating (no signs of unacceptable thermal damage, arcing or overheating)		
5.23	Protection against mechanical damage where cables enter equipment		
5.24	Protection against electromagnetic effects where cables enter metallic enclosures		
6.0 Distribution/final circuits			
6.1	Identification of conductors	✔	
6.2	Cables correctly supported throughout their length		
6.3	Condition of insulation of live parts	✔	
6.4	Non-sheathed cables protected by enclosure in conduit, duct or trunking		
6.5	Suitability of containment systems for continued use (including flexible conduit)		
6.6	Cables correctly terminated in enclosures (indicate extent of sampling in Section D of report)		
6.7	Examination of cables for signs of unacceptable thermal and mechanical damage/deterioration		
6.8	Adequacy of cables for current-carrying capacity with regard to the type and nature of installation		
6.9	Adequacy of protective devices; type and rated current for fault protection		
6.10	Presence and adequacy of circuit protective conductors		
6.11	Co-ordination between conductors and overload protective devices		
6.12	Cable installation methods/practices appropriate to the type and nature of installation and external influences		
6.13	Cables where exposed to direct sunlight, of a suitable type		
6.14	Concealed cables installed in prescribed zones (see extent and limitations)		
6.15	Concealed cables incorporating earthed armour or sheath, or run within earthed wiring system,or otherwise protected against mechanical damage caused by nails, screws and the like where not in prescribed zones or not protected by 30 mA RCD (see extent and limitations)		
6.16	Provision of additional protection by 30 mA RCD for cables concealed in walls or partitions		
6.17	Provision of additional protection by 30 mA RCD		
*	Where reasonably likely to be used to supply mobile equipment for use outdoors		
*	For all socket-outlets of rating 20 A or less provided for use by ordinary persons		
6.18	Provision of fire barriers, sealing arrangements and protection against thermal effects	LIM	
6.19	Band II cables segregated/separated from Band I cables	LIM	
6.20	Cables segregated/separated from non-electrical services		
6.21	Termination of cables at enclosures (identify numbers and locations of items inspected in Section D)		
*	Connections under no undue strain		
*	No basic insulation of a conductor visible outside an enclosure		
*	Connections of live conductors adequately enclosed		
*	Adequacy of connection at point of entry to enclosure (gland, bush or similar)		
6.22	General condition of wiring systems		
6.23	Temperature rating of cable insulation		
6.24	Condition of accessories including socket-outlets, switches and joint boxes		
6.25	Suitability of accessories for external influences		

*** All Boxes must be completed**

'✔' indicates **Acceptable condition**

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'N/A' indicates **Not applicable**

Unacceptable condition state **C1** or **C2**

Improvement recommended state **C3**

Further investigation required state **F/I**
(to determine whether danger or potential (danger exists)

Outcome
Provide additional comment where appropriate on attached numbered sheets. C1, C2 and C3 coded items to be recorded in section F of the report.

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INSPECTION SCHEDULE FOR DISTRIBUTION BOARDS AND CIRCUITS †

Item	Description	Outcome *	Location reference
7.0	**Isolation and switching**		
7.1	Isolators		
	* presence and condition of appropriate devices	✔	
	* acceptable location	✔	
	* capable of being secured in the OFF position	✔	
	* correct operation verified	✔	
	* clearly identified by position and/or durable marking(s)		
	* Warning label posted in situations where live parts cannot be isolated by the operation of a single device		
7.2	Switching off for mechanical maintenance		
	* presence and condition of appropriate devices		
	* acceptable location		
	* capable of being secured in the OFF position		
	* correct operation verified		
	* clearly identified by position and/or durable marking(s)		
7.3	Emergency switching/stopping		
	* presence and condition of appropriate devices		
	* readily accessible for operation where danger might occur		
	* correct operation verified		
	* clearly identified by position and/or durable marking(s)		
7.4	Functional switching		
	* presence and condition of appropriate devices		
	* correct operation verified		
8.0	**Current-using equipment (permanently connected)**		
8.1	Condition of equipment in terms of IP rating	✔	
8.2	Equipment does not constitute a fire hazard		
8.3	Enclosure not damaged/deteriorated so as to impair safety		
8.4	Suitability for the environment and external influences		
8.5	Security of fixing		
8.6	Cable entry holes in ceiling above luminaires, sized or sealed so as to restrict the spread of fire (indicate extent of sampling in Section D of report)		
8.7	Recessed luminaires (e.g. downlighters)		
	* correct type of lamps fitted		
	* installed to minimise build-up of heat by use of fire rated fittings,insulation displacement box or similar		
	* no signs of overheating to surrounding building fabric		
	* no signs of overheating to conductors/terminations		
9.0	**Location(s) containing a bath or shower**		
9.1	Additional protection for all low voltage (LV) circuits by RCD not exceeding 30 mA		
9.2	Where used as a protective measure, requirements for SELV or PELV are met		
9.3	Shaver sockets comply with BS EN 61558-2-5 or BS 3535		
9.4	Presence of supplementary bonding conductors unless not required by BS 7671: 2008		
9.5	Low voltage (e.g. 230 volts) socket-outlets sited at least 3 m from zone 1		
9.6	Suitability of equipment for external influences for installed location in terms of IP rating		
9.7	Suitability of equipment for installation in a particular zone		
9.8	Suitability of current-using equipment for a particular position within the location		
10.0	**Other special installations or locations**		
	List special locations present, if any. List the results of particular inspections applied.- a separate page is required for each location		

*** All Boxes must be completed**

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'LIM' indicates **a limitation**

'N/A' indicates **Not applicable**

Unacceptable condition state **C1** or **C2**

Improvement recommended state **C3**

Further investigation required state **F/I**
(to determine whether danger or potential (danger exists)

Outcome
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SCHEDULE OF CIRCUIT DETAILS FOR THE PRIMARY DISTRIBUTION BOARD

Original (To the person ordering the work)

CIRCUIT DETAILS

TO BE COMPLETED IN EVERY CASE

Location of distribution board: Various

Distribution board designation: DB1, 2 & 3

TO BE COMPLETED ONLY IF THE DISTRIBUTION BOARD IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION*

Supply to distribution board is from:

No of phases: 3 Nominal voltage: V

Overcurrent protective device for the distribution circuit:

Associated RCD (if any): BS(EN)

Type: BS(EN) Rating: A RCD No of poles: $I_{\Delta n}$ mA

Circuit number and phase	Circuit designation	Type of wiring (see code below)	Reference method ↟	Number of points served	Circuit conductors: csa Live (mm²)	Circuit conductors: csa cpc (mm²)	Max. disconnection time permitted by BS 7671 (s)	Overcurrent protective devices BS (EN)	Overcurrent protective devices Type No	Overcurrent protective devices Rating (A)	Overcurrent protective devices Short-circuit capacity (kA)	RCD Operating current, $I_{\Delta n}$ (mA)	Maximum Z_s permitted by BS 7671 (Ω)
DB1	Ground Floor Cupboard												
1	Ring Final	A	11	Lim	2.5	1.5	0.4	60898 MCB	C	32	10		0.60
2	Ring Final	A	11	Lim	2.5	1.5	0.4	61009 RCD/RCBO	B	32	10	30	1.2
3	Fire alarm system	A	11	Lim	1.5	1	0.4	60898 MCB	C	16	10		1.2
4	Ring Final	A	11	Lim	2.5	1.5	0.4	60898 MCB	C	32	10		0.60
5	Boiler	A	11	Lim	2.5	1.5	0.4	60898 MCB	C	16	10		1.2
6	Lights (ext)	A	11	Lim	1.5	1	0.4	60898 MCB	C	10	10		1.2
7	Lights	A	11	Lim	1.5	1	0.4	60898 MCB	C	10	10		1.2
8	Lights (stairs/lobby)	A	11	Lim	1.5	1	0.4	60898 MCB	C	10	10		1.2
9	Commando s/o	F	11	Lim	10	10	0.4	60898 MCB	D	20	10		1.09
10	Roller Shutter	F	11	Lim	10	10	0.4	60898 MCB	C	16	10		1.37
11	Roller Shutter	F	11	Lim	10	10	0.4	60898 MCB	C	16	10		1.37
12	Roller Shutter	F	11	Lim	10	10	0.4	60898 MCB	C	16	10		1.37
13	TP&N Commando socket	F	11	Lim	10	10	0.4	60898 MCB	C	40	10		0.55
14	TP&N Commando socket	F	11	Lim	10	10	0.4	60898 MCB	C	40	10		0.55
15	TP&N Commando socket	F	11	Lim	10	10	0.4	60898 MCB	C	40	10		0.55
16	Ring final	O	11	Lim	2.5	1.5	0.4	60898 MCB	C	16	10		1.2
17	TBC	O		Lim	2.5	1.5	0.4	60898 MCB	C	16	10		1.37
18	Spare							60898 MCB	C	10	10		1.2
19	New Solar PV System	F	11	1	16	16	0.4	60898 MCB	C	16	10		1.37
20	New Solar PV System	F	11	1	16	16	0.4	60898 MCB	C	16	10		1.37
21	New Solar PV System	F	11	1	16	16	0.4	60898 MCB	C	10	10		2.19
22	Old Solar PV (sy Cable)	O	11	1	2.5	2.5	0.4	60898 MCB	C	10	10		2.19
23	Old Solar PV (sy Cable)	O	11	1	2.5	2.5	0.4	60898 MCB	C	10	10		2.19
24	Old Solar PV (sy Cable)	O	11	1	2.5	2.5	0.4	60898 MCB	C	10	10		2.19
DB2	Ground Floor Cupboard												
1	Lights	O	11	Lim	1.5	1	0	61009 RCD/RCBO	B	6	10	30	7.28
2	Lights	O	11	Lim	1.5	1	0	61009 RCD/RCBO	B	6	10	30	7.28
3	Lights	O	11	Lim	1.5	1	0	61009 RCD/RCBO	B	6	10	30	7.28

** In such cases, details of the distribution (sub-main) circuit(s), together with the test results for the circuit(s), must also be provided, on continuation schedules.*

↟ See Table 4A2 of Appendix 4 of BS 7671

CODES FOR TYPE OF WIRING								
A	B	C	D	E	F	G	H	O (Other - please state)
Thermoplastic insulated/ sheathed cables	Thermoplastic cables in metallic conduit	Thermoplastic cables in non metallic conduit	Thermoplastic cables in metallic trunking	Thermoplastic cables in non metallic trunking	Thermoplastic/ SWA cables	Thermosetting/ SWA cables	Mineral-insulated cables	

See next page for Schedule of Test Results

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SCHEDULE OF TEST RESULTS FOR THE PRIMARY DISTRIBUTION BOARD

Original (To the person ordering the work)

TEST RESULTS

TO BE COMPLETED ONLY IF THE DISTRIBUTION BOARD IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION

Characteristics at this distribution board

Confirmation of supply polarity:

* See note below

Z_s 0.10 Ω

I_{pf} 2.14 kA

Operating times of associated RCD (if any): At $I_{\Delta n}$ ms; At $5I_{\Delta n}$ ms

Test instruments (serial numbers) used:

Earth fault loop impedance	16103359	RCD	
Insulation resistance		Multi function	
Continuity		Other	

Circuit number and phase	Circuit impedances (Ω)					Insulation resistance				Polarity	Maximum measured earth fault loop impedance, Z_s * See note below	RCD operating times		Test button operation
	Ring final circuits only (measured end to end)			All circuits (At least one column to be completed)		Line/Line †	Line/Neutral †	Line/Earth †	Neutral/Earth			at $I_{\Delta n}$	at $5I_{\Delta n}$ (if applicable)	
	r_1 (Line)	r_n (Neutral)	r_2 (cpc)	$R_1 + R_2$	R_2	(MΩ)	(MΩ)	(MΩ)	(MΩ)	(✔)	(Ω)	(ms)	(ms)	(✔)
DB1														
1	0.25	0.26	0.49	0.25						✔	0.34			
2										✔	0.25	19		✔
3				0.26						✔	0.29			
4										✔				
5				0.26						✔	0.27			
6										✔				
7										✔				
8										✔				
9										✔				
10				0.10						✔	0.20			
11				0.10						✔	0.20			
12				0.10						✔	0.20			
13										✔				
14										✔				
15										✔				
16										✔				
17										✔				
18														
19										✔				
20										✔				
21										✔				
22										✔				
23										✔				
24										✔				
DB2														
1				0.39			> 200	> 200		✔		29	19	✔
2				0.48			> 200	> 200		✔		29	19	✔
3							> 200	> 200		✔		18	19	✔

* Note: *Where the installation can be supplied by more than one source, such as a primary source (eg public supply) and a secondary source (eg standby generator), the higher or highest values must be recorded.*

TESTED BY

Signature:		Position:	Qualified Supervisior
Name: (CAPITALS)	KEVIN DUFFY	Date of testing:	15/07/2017

See previous page for Schedule of Circuit Details

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IPN3/0438303

SCHEDULE OF CIRCUIT DETAILS FOR THE PRIMARY DISTRIBUTION BOARD

Original (To the person ordering the work)

CIRCUIT DETAILS

TO BE COMPLETED IN EVERY CASE

Location of distribution board: Various

Distribution board designation: DB1, 2 & 3

TO BE COMPLETED ONLY IF THE DISTRIBUTION BOARD IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION*

Supply to distribution board is from:

No of phases: 3 Nominal voltage: V

Overcurrent protective device for the distribution circuit:

Associated RCD (if any): BS(EN)

Type: BS(EN) Rating: A RCD No of poles: $I_{\Delta n}$ mA

Circuit number and phase	Circuit designation	Type of wiring (see code below)	Reference method ↟	Number of points served	Circuit conductors: csa Live (mm²)	Circuit conductors: csa cpc (mm²)	Max. disconnection time permitted by BS 7671 (s)	Overcurrent protective devices BS (EN)	Type No	Rating (A)	Short-circuit capacity (kA)	RCD Operating current, $I_{\Delta n}$ (mA)	Maximum Z_s permitted by BS 7671 (Ω)
4	Lights	O	11	Lim	1.5	1	0	61009 RCD/RCBO	B	6	10	30	7.28
5	Ring final	O	11	Lim	2.5	1.5	0	61009 RCD/RCBO	B	32	10	30	1.37
6	Ring final	O	11	Lim	2.5	1.5	0	61009 RCD/RCBO	B	32	10	30	1.37
7-13	Spare												
DB3	1st Floor corridor (high level)												
1	Ring Final	O	A	5	2.5	1.5	0.4	60898 MCB	B	32	6	30	1.37
2	Ring Final	O	A	6	2.5	1.5	0.4	60898 MCB	B	32	6	30	1.37
3	Dado sockets (accts/office)	O	A	10	2.5	1.5	0.4	60898 MCB	B	20	6	30	2.19
4	Spare	A						60898 MCB	B	6	6	30	7.28
5	EM lights	O	A	7	1.5	1		60898 MCB	B	6	6	30	7.28
6	Spare	A		Lim			0.4	60898 MCB	B	32	6	30	1.37
7	A/C - sy cable	O	A	1	1.5	1.5	0.4	60898 MCB	B	32	6	30	1.37
8	Lights (kitchen/store)	O	A	3	1.5	1	0.4	60898 MCB	B	20	6	30	2.19
9	Lights (office)	)	A	1	1.5	1	0.4	60898 MCB	B	6	6	30	7.28
10	Spare							60898 MCB	B	10	6	30	4.37
					1.5								
					1.5								
					1.5								
					1.5								

** In such cases, details of the distribution (sub-main) circuit(s), together with the test results for the circuit(s), must also be provided, on continuation schedules.*

↟ See Table 4A2 of Appendix 4 of BS 7671

CODES FOR TYPE OF WIRING								
A	B	C	D	E	F	G	H	O (Other - please state)
Thermoplastic insulated/ sheathed cables	Thermoplastic cables in metallic conduit	Thermoplastic cables in non metallic conduit	Thermoplastic cables in metallic trunking	Thermoplastic cables in non metallic trunking	Thermoplastic/ SWA cables	Thermosetting/ SWA cables	Mineral-insulated cables	

See next page for Schedule of Test Results

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IPN3/0438303

SCHEDULE OF TEST RESULTS FOR THE PRIMARY DISTRIBUTION BOARD

Original (To the person ordering the work)

TEST RESULTS

TO BE COMPLETED ONLY IF THE DISTRIBUTION BOARD IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION

Characteristics at this distribution board

	Confirmation of supply polarity				
* See note below Z_s	0.10	Ω	Operating times of associated RCD (if any)	At $I_{\Delta n}$	ms
I_{pf}	2.14	kA		At $5I_{\Delta n}$	ms

Test instruments (serial numbers) used:

Earth fault loop impedance	16103359	RCD	
Insulation resistance		Multi function	
Continuity		Other	

Circuit number and phase	Circuit impedances (Ω)					Insulation resistance				Polarity	Maximum measured earth fault loop impedance, Z_s * See note below	RCD operating times		Test button operation
	Ring final circuits only (measured end to end)			All circuits (At least one column to be completed)		Line/Line †	Line/Neutral †	Line/Earth †	Neutral/Earth			at $I_{\Delta n}$	at $5I_{\Delta n}$ (if applicable)	
	r_1 (Line)	r_n (Neutral)	r_2 (cpc)	$R_1 + R_2$	R_2	(MΩ)	(MΩ)	(MΩ)	(MΩ)	(✔)	(Ω)	(ms)	(ms)	(✔)
4										✔				✔
5										✔				
6										✔				✔
7-13														
DB3														✔
1	0.29	0.28	0.47	0.26						✔	0.28	17	11	✔
2										✔		17	11	✔
3				0.24						✔	0.25	17	11	
4												17	11	
5				0.56						✔	0.58	17	11	
6										✔		17	11	✔
7				Lim						✔	Lim	17	11	✔
8										✔		17	11	✔
9										✔		17	11	✔
10											v	17	11	✔

* Note: *Where the installation can be supplied by more than one source, such as a primary source (eg public supply) and a secondary source (eg standby generator), the higher or highest values must be recorded.*

TESTED BY

Signature:		Position:	Qualified Supervisior
Name: (CAPITALS)	KEVIN DUFFY	Date of testing:	15/07/2017

See previous page for Schedule of Circuit Details