

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

A. DETAILS OF THE CLIENT

Client: Mr N Matthey

Address: 9 Holmethorpe Avenue
Redhill
Surrey

Postcode: RH1 2NB

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: Test following works

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

C. DETAILS OF THE INSTALLATION

Occupier: Purefoods Systems

Address: Purefoods Systems
9 Holmethorpe Avenue
Redhill
Surrey

Postcode: RH1 2NB

Estimated age of the electrical installation: 21 years

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

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: Owner

Operational limitations including the reasons (see page No.)

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

ELECTRICAL INSTALLATION CONDITION REPORT

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)

Odd, 7 - 15

Schedule of Test Results for the Installation:

Page No(s)

Even, 8 - 16

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 than 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	<input checked="" type="checkbox"/>	a.c.	<input checked="" type="checkbox"/>	d.c.	N/A	Nominal Voltage(s): $U^{(1)}$	400	V	$U_0^{(1)}$	BS(EN)	LIM
TN-C-S	N/A	1-phase (2 wire)	<input checked="" type="checkbox"/>	1-phase (3 wire)	N/A	Nominal frequency, $f^{(1)}$	50	Hz	Notes: (1) by enquiry	Type	LIM
TN-C	N/A	2-phase (3 wire)	N/A	3 pole	N/A	Prospective fault current, $I_p^{(2)(3)}$	2.19	kA	(2) by enquiry or by measurement	Rated current	LIM A
TT	N/A	3-phase (3 wire)	N/A	3-phase (4 wire)	N/A	External earth fault loop impedance, $Z_e^{(3)(4)}$	0.21	Ω	(3) where more than one supply, record the higher or highest values	Short-circuit capacity	kA
IT	N/A	Other				Number of sources	1		(4) by measurement	Confirmation of supply polarity	<input checked="" type="checkbox"/> (✓)

L. PARTICULARS OF INSTALLATION AT THE ORIGIN

Means of Earthing		Details of Installation Earth Electrode (where applicable)			
Distributor's facility:	<input checked="" type="checkbox"/>	Type: (eg rod(s), tape(s))		Location:	
Installation earth electrode:	N/A	Electrode resistance, R_A :	(Ω)	Method of measurement:	

Main Switch/Switch-Fuse/Circuit-Breaker/RCD				Earthing and protective bonding conductors			
Type: BS(EN)	60439-3	Voltage rating	400 V	Earthing conductor	Main protective bonding conductors		
No of Poles	3	Rated current, I_n	200 A	Conductor material	Copper	Conductor material	Copper
Primary supply conductors material	Copper	RCD operating current, $I_{\Delta n}^*$		Conductor csa	35 mm ²	Conductor csa	10 mm ²
Primary supply conductors csa	35 mm ²	Rated time delay*		Connection/continuity verified	<input checked="" type="checkbox"/> (✓)	Connection/continuity verified	<input checked="" type="checkbox"/> (✓)
		RCD operating time (at $I_{\Delta n}^*$)					

Bonding of extraneous-conductive-parts (✓)			
Water service	<input checked="" type="checkbox"/>	Gas Service	N/A
Oil service	N/A	Structural steel	<input checked="" type="checkbox"/>
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)

ELECTRICAL INSTALLATION CONDITION REPORT

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

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
'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
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**

✓ indicates **Acceptable condition**
 'LIM' indicates **alimitation**
 '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.

SCHEDULE OF CIRCUIT DETAILS FOR THE PRIMARY DISTRIBUTION BOARD

Original (To the person ordering the work)

TO BE COMPLETED IN EVERY CASE		TO BE COMPLETED ONLY IF THE DISTRIBUTION BOARD IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION*						
Location of distribution board:	Corner of warehouse next to Main Supply	Supply to distribution board is from:		No of phases:	3	Nominal voltage:	400	V
Distribution board designation:	DB1	Overcurrent protective device for the distribution circuit:		Associated RCD (if any): BS(EN)				
		Type: BS(EN)		Rating:		A	RCD No of poles:	
							I _{Δn}	mA

Circuit number and phase	Circuit designation	Type of wiring (see code below)	Reference method ↑	Number of points served	Circuit conductors: csa		Max. disconnection time permitted by BS 7671 (s)	Overcurrent protective devices				RCD	
					Live (mm ²)	cpc (mm ²)		BS (EN)	Type No	Rating (A)	Short-circuit capacity (kA)	Operating current, I _{Δn} (mA)	Maximum Z _s permitted by BS 7671 (Ω)
1	Lights	O	A	4	1.5	1	0.4	60898 MCB	B	6	6		7.28
2		O	A	Lim	2.5	1.5	0.4	60898 MCB	B	32	6		1.37
3	Spare												
4	Spare												
5	Spare												
6	Spare												
7	Spare												
8	Spare												
9	Spare												
10	Spare												
11	Spare												
12	Spare												
13	Spare												
14	Spare												
15	Spare												
16	Supply to DB2 (workshop)	D	B	1	16	16	5.0	60898 MCB	C	63	10	N/A	0.35
17	Supply to DB2 (workshop)	D	B	1	16	16	5.0	60898 MCB	C	63	10	N/A	0.35
18	Supply to DB2 (workshop)	D	B	1	16	16	5.0	60898 MCB	C	63	10	N/A	0.35
19	Emergency Power/Alarm/cctv	D	B	3	2.5	1.5	0.4	60898 MCB	C	10	10		2.19
20	A/C office	D	B	1	2.5	1.5	0.4	60898 MCB	C	20	10		1.09
21	Lights	D	B	5	1.5	1	0.4	61009 RCD/RCBO	B	6	6	30	7.28
22	Lights	D	B	5	1.5	1	0.4	61009 RCD/RCBO	B	6	6	30	7.28
23	Spare					1		61009 RCD/RCBO	B	6	6	30	
24	Lights	D	B	3	1.5	1	0.4	61009 RCD/RCBO	B	6	6	30	7.28
25	Water Heater	D	B	1	2.5	1.5	0.4	61009 RCD/RCBO	B	16	6	30	2.73
26	Socket outlet office/kitchen	D	B	4	2.5	1.5	0.4	61009 RCD/RCBO	B	32	6	30	1.37
27	Socket outlet	D	B	3	2.5	1.5	0.4	61009 RCD/RCBO	B	32	6	30	1.37
28	Water Heater	D	B	1	2.5	1.5	0.4	61009 RCD/RCBO	B	16	6	30	2.73
29	Socket outlet (office)	D	B	3	2.5	1.5	0.4	61009 RCD/RCBO	B	16	6	30	2.73

* 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 cables in 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	

SCHEDULE OF TEST RESULTS FOR THE PRIMARY DISTRIBUTION BOARD


TEST RESULTS

TO BE COMPLETED ONLY IF THE DISTRIBUTION BOARD IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION				Test instruments (serial numbers) used:			
Characteristics at this distribution board				Earth fault loop impedance			
Confirmation of supply polarity				16103359			
* See note below				RCD			
Z _s = 0.20 Ω				Multi function			
Operating times of associated RCD (if any)				Continuity			
At I _{Δn} ms				Other			
At 5I _{Δn} ms							

Circuit number and phase	Circuit impedances (Ω)					Insulation resistance				Polarity	Maximum measured earth fault loop impedance, Z _s <small>* See note below</small>	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 _{Δn}	at 5I _{Δn} (if applicable)	
	r ₁ (Line)	r _n (Neutral)	r ₂ (cpc)	R ₁ + R ₂	R ₂	(MΩ)	(MΩ)	(MΩ)	(MΩ)			(ms)	(ms)	
1							Lim	> 200	> 200	✓				
2							Lim	> 200	> 200	✓				
3														
4														
5														
6														
7														
8														
9														
10														
11														
12														
13														
14														
15														
16				0.10			Lim	> 200	> 200	✓	0.12			
17				0.10			Lim	> 200	> 200	✓	0.12			
18				0.10			Lim	> 200	> 200	✓	0.12			
19							Lim	> 200	> 200	✓				
20							Lim	> 200	> 200	✓				
21							Lim	> 200	> 200	✓	0.24			✓
22							Lim	> 200	> 200					✓
23							Lim	> 200	> 200	✓				✓
24							Lim	> 200	> 200					✓
25				0.30			Lim	> 200	> 200		0.43			✓
26				0.30			Lim	> 200	> 200		0.42			✓
27							Lim	> 200	> 200					✓
28							Lim	> 200	> 200					✓
29				0.29			Lim	> 200	> 200		0.40			✓

* 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 Supervisor
Name: (CAPITALS)	KEVIN DUFFY	Date of testing:	22/07/2017

SCHEDULE OF CIRCUIT DETAILS FOR THE PRIMARY DISTRIBUTION BOARD

CIRCUIT DETAILS

TO BE COMPLETED IN EVERY CASE		TO BE COMPLETED ONLY IF THE DISTRIBUTION BOARD IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION*						
Location of distribution board:	Corner of warehouse next to Main Supply	Supply to distribution board is from:		No of phases:	3	Nominal voltage:	400	V
Distribution board designation:	DB1	Overcurrent protective device for the distribution circuit:		Associated RCD (if any):	BS(EN)			
		Type: BS(EN)	Rating:	A	RCD No of poles:		I _{Δn}	mA

[illegible]

* 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	


SCHEDULE OF TEST RESULTS FOR THE PRIMARY DISTRIBUTION BOARD

TEST RESULTS

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Characteristics at this distribution board						Earth fault loop impedance	16103359	RCD	
Confirmation of supply polarity									
* See note below									
Z _s	0.20	Ω	Operating times of associated RCD (if any)	At I _{Δn}		ms	Insulation resistance		Multi function
I _{pe}	1.13	kA		At 5I _{Δn}		ms			
						Continuity		Other	

[illegible]

* *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 Supervisor	
Name: (CAPITALS) KEVIN DUFFY		Date of testing: 22/07/2017	

SCHEDULE OF CIRCUIT DETAILS FOR THE PRIMARY DISTRIBUTION BOARD

CIRCUIT DETAILS

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Distribution board designation:	DB1	Overcurrent protective device for the distribution circuit:			Associated RCD (if any):	BS(EN)		
		Type: BS(EN)	Rating:	A	RCD No of poles:	I _{Δn}	mA	

[illegible]

* 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.

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Confirmation of supply polarity										
* See note below										
Z _S	0.20	Ω	Operating times of associated RCD (if any)	At I _{Δn}			ms	Insulation resistance		Multi function
I _{pr}	1.13	kA		At 5I _{Δn}		ms	Continuity		Other	

[illegible]

* *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 Supervisor
Name: (CAPITALS)	KEVIN DUFFY	Date of testing:	22/07/2017

SCHEDULE OF CIRCUIT DETAILS FOR THE PRIMARY DISTRIBUTION BOARD

Original (To the person ordering the work)

TO BE COMPLETED IN EVERY CASE		TO BE COMPLETED ONLY IF THE DISTRIBUTION BOARD IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION*			
Location of distribution board:	Workshop	Supply to distribution board is from:	No of phases:	Nominal voltage:	V
Distribution board designation:	DB2	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		Max. disconnection time permitted by BS 7671 (s)	Overcurrent protective devices				RCD	
					Live	cpc		BS (EN)	Type No	Rating (A)	Short-circuit capacity (kA)	Operating current, $I_{\Delta n}$ (mA)	Maximum Z_s permitted by BS 7671 (Ω)
1	A/C Roof unit	F	B	1	2.5	2.5	0.4	60898 MCB	C	20	10	N/A	1.09
2	A/C Roof unit	F	B	1	2.5	2.5	0.4	60898 MCB	C	20	10	N/A	1.09
3	A/C Roof unit	F	B	1	2.5	2.5	0.4	60898 MCB	C	20	10	N/A	1.09
4	Ring final	O	B	5	2.5	1.5	0.4	60898 MCB	C	16	10	30	1.37
5	Sockets (near shutter)	O	B	5	2.5	1.5	0.4	60898 MCB	C	32	10	30	0.68
6	Lights	O	B	6	1.5	1.5	0.4	60898 MCB	C	6	10	30	3.64
7	Dado sockets (near window)	F	B	4	4	4	0.4	60898 MCB	C	20	10	30	1.09
8	Compressor supply (on mezz)	F	B	1	4	4	0.4	60898 MCB	C	32	10	30	0.68
9	Lights (ext)	O	B	1	1.5	1	0.4	60898 MCB	C	6	10	30	3.64
10	Commando S/O (Compressor)	F	B	1	4	4	0.4	60898 MCB	C	20	10	N/A	1.09
11	Commando S/O (Compressor)	F	B	1	4	4	0.4	60898 MCB	C	20	10	N/A	1.09
12	Commando S/O (Compressor)	F	B	1	4	4	0.4	60898 MCB	C	20	10	N/A	1.09
13	A/C 1	sy	B	1	1.5	1.5	0.4	60898 MCB	C	16	10	30	1.37
14	A/C 2	sy	B	1	1.5	1.5	0.4	60898 MCB	C	16	10	30	1.37
15	Spray booth	F	B	1	2.5	2.5	0.4	60898 MCB	C	32	10	30	0.68
16	Dado (rear)	F	B	5	4	4	0.4	60898 MCB	C	32	10	30	0.68
17	Dado (below DB)	F	B	5	2.5	1.5	0.4	60898 MCB	C	32	10	30	0.68
18	Spare												
19	Extractor fan (spray booth)	F	B	1	2.5	2.5	0.4	60898 MCB	D	6	10	N/A	3.64
20	Extractor fan (spray booth)	F	B	1	2.5	2.5	0.4	60898 MCB	D	6	10	N/A	3.64
21	Extractor fan (spray booth)	F	B	1	2.5	2.5	0.4	60898 MCB	D	6	10	N/A	3.64
22	Spare							60898 MCB	C	16	10	N/A	1.37
23	Socket outlet	O	B	2	2.5	1.5	0.4	60898 MCB	C	32	10	N/A	0.68
24	Lights (workshop)	A	B	7	1.5	1	0.4	60898 MCB	C	6	10	30	3.64

* 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 cables	Thermoplastic cables in metallic conduit	Thermoplastic cables in non metallic conduit	Thermoplastic cables in non metallic trunking	Thermoplastic cables in non metallic trunking	Thermoplastic/SWA cables	Thermosetting/SWA cables	Mineral-insulated cables	


SCHEDULE OF TEST RESULTS FOR THE PRIMARY DISTRIBUTION BOARD

TEST RESULTS

TO BE COMPLETED ONLY IF THE DISTRIBUTION BOARD IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION						Test instruments (serial numbers) used:				
Characteristics at this distribution board						Earth fault loop impedance	16103359		RCD	
Confirmation of supply polarity										
* See note below										
Z _S	0.18	Ω	Operating times of associated RCD (if any)	At I _{Δn}			ms	Insulation resistance		Multi function
I _{pr}	1.12	kA		At 5I _{Δn}		ms	Continuity		Other	

[illegible]

* *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 Supervisor
Name: (CAPITALS)	KEVIN DUFFY	Date of testing:	22/07/2017

SCHEDULE OF CIRCUIT DETAILS FOR THE PRIMARY DISTRIBUTION BOARD

CIRCUIT DETAILS

TO BE COMPLETED IN EVERY CASE		TO BE COMPLETED ONLY IF THE DISTRIBUTION BOARD IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION*							
Location of distribution board:	Workshop	Supply to distribution board is from:		No of phases:		Nominal voltage:		V	
Distribution board designation:	DB2	Overcurrent protective device for the distribution circuit:		Associated RCD (if any):					
		Type: BS(EN)		Rating:		A	RCD No of poles:		I _{Δn}

[illegible]

* 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	


SCHEDULE OF TEST RESULTS FOR THE PRIMARY DISTRIBUTION BOARD

TEST RESULTS

TO BE COMPLETED ONLY IF THE DISTRIBUTION BOARD IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION						Test instruments (serial numbers) used:				
Characteristics at this distribution board						Earth fault loop impedance	16103359		RCD	
Confirmation of supply polarity										
* See note below										
Z _S	0.18	Ω	Operating times of associated RCD (if any)	At I _{Δn}			ms	Insulation resistance		Multi function
I _{pr}	1.12	kA		At 5I _{Δn}		ms	Continuity		Other	

[illegible]

* 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.

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Signature:		Position:	Qualified Supervisor
Name: (CAPITALS)	KEVIN DUFFY	Date of testing:	22/07/2017