ELECTRICAL INSTALLATION CONDITION REPORT

GLS2017541 - Master

greenlite

A. Details of the Client/Person Ordering the Report

Client: B&M Retail Ltd

Address:
Estuary Commerce Park
Speke
Liverpool
Merseyside
L24 8RJ

B. Reason for Producing this Report

Purpose of this report:
Condition Report upon clients Request, to verify that the installation has not deteriorated so as to impair the safety of those persons using it,

Date(s) on which Inspection: and testing was carried out: 22/11/2019

C. Details of the Installation which is the Subject of this Report

Installation: MUSSELBURGH 177

Occupier: B&M Retail Limited

Address:
91-93 High Street
Musselburgh
Lothian
EH21 7DA

Description of premises:	Domestic	Commercial	Industrial
	N/A	✓	N/A

Other: N/A

Estimated age of wiring system: 25 yrs

Evidence of alterations or additions: ✓ If yes estimated Age 5 yrs

Record of Installation available: N/A Records held By: N/A Date of previous inspection: Not Known

D. Extent and Limitations Inspection and Testing

Extent of Electrical Installation covered by this report:
All circuits of the electrical installation where practical and
--See Additional Page--

Agreed limitations including the reasons (See regulation 653.2)
All testing to be completed in core trading hours with no
--See Additional Page--

Agreed with name: Linda Kelly

Operational Limitations including the reasons (See page No 27)
No disruption to trading, Zs @ DB testing shall be carried out before trading as isolation of the equipment is required, , live testing
--See Additional Page--

This inspection and testing detailed in this report and accompanying schedules have been carried out in accordance with BS7671:2018 (IET Wiring Regulations) as amended to July 2018

It should be noted that cables concealed within trunking and conduits, under floors, in roof spaces, and generally within the fabric of the building or underground, have NOT been inspected unless specifically agreed between the client and inspector prior to the inspection. An inspection should be made within an accessible roof space housing other electrical equipment.

E. Summary of the Condition of the Installation

General condition of the installations (In terms of electrical safety)

The installation was installed under previous edition of BS7671 and as such does not contain30mA RCD protection to all of the
--See Additional Page--

Overall assessment of the installation: Satisfactory

*An unsatisfactory assessment indicates that dangerous (code C1) and/or potentially dangerous (code C2) conditions have been identified.

F. Recommendations

Where the overall assessment of the suitability of the installation for continued use above is stated as SATISFACTORY , We recommend that any observations classified as 'Danger present' (code C1) or 'Potentially dangerous' (code C2) are acted upon as a matter of urgency.
Investigation without delay is recommended for observations identified as *'further investigation required' (code FI)*.
Observation classified as 'Improvement recommended' (code C3) should be given due consideration.
Subject to the necessary remedial action being taken We recommend that the installation is further inspected and tested by 22/11/2024

G. Declaration

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

Trading Title and address:
Greenlite Lighting Solutions Ltd,
Units 10 & 11 Apollo Court,
Hallam Way,
Whitehills Business ,
Blackpool , FY4 5FS

Registration Number: N/A

Inspected and tested by:

Name	Position	Signature	Date
Ryan Marr	Electrician		22/11/2019

Report authorised for issue by:

Name	Position	Signature	Date
Jackson Hall	Qualified Supervisor	JHall	05/12/2019

H. Schedule(s)

The attached schedule(s) are part of this document and this report is valid only when they are attached to it.

9 - 25 (odd) Schedule(s) of inspection and 10 - 26 (even) Schedule(s) of test results are attached

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I. Supply Characteristics and Earthing Arrangements

Earthing Arrangements		Number and Type of Live Conductors					
TN-S	✓	a.c.	✓			d.c.	N/A
TN-C-S	N/A	1-Phase (2 wire)	N/A	1-Phase (3 wire)	N/A	2 Wire	N/A
TN-C	N/A	2-Phase (3 wire)	N/A			3 Wire	N/A
TT	N/A	3-Phase (3 wire)	N/A	3-Phase (4 wire)	✓	Other	N/A
IT	N/A	Other	N/A				
		Confirmation of supply polarity			✓		

Nature of Supply Parameters			
Nominal Voltage	$U^{(1)}$	400	V
Nominal Voltage	$U_0^{(1)}$	230	V
Nominal frequency	$f^{(1)}$	50	Hz
Prospective fault current	$Ipf^{(2)}$	LIM	kA
External loop impedance	$Ze^{(2)}$	LIM	Ω
Number of supplies		1	

(Note: (1) by enquiry, (2) by enquiry or by measurement)

Supply protective device		
BS(EN)	Agreed Limitation	
Type	N/A	
Nominal current rating	LIM	A
Short circuit capacity	N/A	kA

J. Particulars of Installation Referred to in the Report

Means of earthing		Details of installation Earth Electrode (where applicable)			
Distributor's facility	✓	Type (e.g. rod(s), tape etc.)	N/A	Location	N/A
Installation earth electrode	N/A	Resistance to Earth	N/A Ω	Method of measurement	N/A

Main Protective Conductors

Tick boxes and enter details as applicable

Earthing Conductor	Material	Copper	csa	70	mm^2	Continuity Verified	✓	Connection Verified ✓
Main protective bonding conductors	Material	Copper	csa	25/70	mm^2	Continuity Verified	✓	Connection Verified ✓

Bonding of Incoming Service

Water installation pipes ✓ Gas installation pipes ✓ Structural Steel ✓ Lightning protection N/A

Oil installation pipes N/A

Other incoming service(s) N/A Please State N/A

Maximum Demand (Load) N/A **Amps**

Protective measure(s) against electric shock ADS

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

Location: section panel

Type BS(EN): 29 - BS EN 60947- No of poles: N/A

Supply Conductors material: Copper Supply Conductors csa: 150 mm^2

Current rating: 400 A

Fuse/Device rating or setting: 400 A

Voltage rating: 400 V

if RCD main switch

Rated residual operation current, IΔn: N/A mA

Rated time delay: N/A ms

RCD Operating time at, IΔn: N/A ms

K. Observations

Referring to the attached schedule(s) of Inspection and Test Results, and subject to the limitations specified at the Extent and Limitations of the Inspection and testing section.

No remedial action is required. N/A The following observations are made ✓

Item No	Observations	Code
1	3.0 Automatic disconnection of supply 3.1.10 Provision of earthing/bonding labels at all appropriate locations	C3
2	5.0 Distribution equipment 5.14 RCD(s) provided for additional protection - includes RCBOs	C3
3	5.0 Distribution equipment 5.18 Presence of RCD six-monthly retest notice at or near equipment, where required	C3
4	5.0 Distribution equipment 5.19 Presence of diagrams, charts or schedules at or near equipment, where	C3
	required	
5	--Observations continue on continuation sheet(s)--	C3

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.

C1 - Danger present. Risk of injury. Immediate remedial action required	0
C2 - Potentially dangerous - urgent remedial action required	0
C3 - Improvement recommended	8
FI - Further investigation required without delay	0

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Outcomes	Acceptable condition	✓	Unacceptable condition	State C1 or C2	Improvement recommended	State C3	Further investigation	FI	Not verified	N/V	Limitation	LIM	Not applicable	N/A

Item No	Description	Outcome	Comments
1.0	**External condition of electrical intake equipment (visual inspection only)**		
1.1	Service cable	LIM	No
1.2	Service head	LIM	No
1.3	Earthing arrangement	✓	No
1.4	Meter tails	LIM	No
1.5	Metering equipment	LIM	No
1.6	Isolator (where present)	LIM	No
	Where inadequacies in intake equipment are encountered, it is recommended that the person ordering the report informs the appropriate authority.		
2.0	**Presence of adequate arrangements for parallel or switched alternative sources**		
2.1	Adequate arrangements where a generating set operates as a switched alternative to the public supply	N/A	No
2.2	Adequate arrangements where generating set operates in parallel with the public supply	N/A	No
2.3	Presence of alternative / additional supply warning notices at the origin of the installation	N/A	No
3.0	**Automatic disconnection of supply**		
3.1	Main earthing and bonding arrangements:		
3.1.1	Presence and condition of distributor's earthing arrangement	✓	No
3.1.2	Presence and condition of earth electrode arrangement	N/A	No
3.1.3	Adequacy of earthing conductor size	✓	No
3.1.4	Adequacy of earthing conductor connections	✓	No
3.1.5	Accessibility of earthing conductor connections	✓	No
3.1.6	Adequacy of main protective bonding conductor size(s)	✓	No
3.1.7	Adequacy and location of main protective bonding conductor connections	✓	No
3.1.8	Accessibility of main protective bonding connections	✓	No
3.1.9	Accessibility/condition of other protective bonding connections	N/V	No
3.1.10	Provision of earthing/bonding labels at all appropriate locations	C3 (see section K)	No
3.2	FELV:		
3.2.1	(FELV) system shall either be a transformer with at least simple separation between windings	N/A	No
3.2.2	Every plug, socket-outlet, luminaire supporting coupler (LSC), device for connecting a luminaire (DCL) and cable coupler in a FELV system not interchangeable with those of other systems within the premises	N/A	No
4.0	**Other methods of protection (where any of the methods listed below are employed, details should be provided on separate sheets)**		
4.1	Non-conducting location	N/A	No
4.2	Earth-free local equipotential bonding	N/A	No
4.3	Electrical separation	N/A	No
4.4	Double insulation	N/A	No
4.5	Reinforced insulation	N/A	No
5.0	**Distribution equipment**		
5.1	Adequacy of working space/accessibility of equipment	✓	No
5.2	Security of fixing	✓	No
5.3	Condition of insulation of live parts	✓	No
5.4	Adequacy/security of barriers	✓	No
5.5	Condition of enclosure(s) in terms of IP rating	✓	No
5.6	Condition of enclosure(s) in terms of fire rating	✓	No
5.7	Enclosure not damaged/deteriorated so as to impair safety	✓	No
5.8	Presence and effectiveness of obstacles	✓	No
5.9	Presence of main switch(es), linked where required	✓	No
5.10	Operation of main switch(es) (functional check)	LIM	No
5.11	Correct identification of circuit protective devices	✓	No
5.12	Adequacy of protective devices for prospective fault current	✓	No
5.13	RCD(s) provided for fault protection - includes RCBOs	N/A	No
5.14	RCD(s) provided for additional protection - includes RCBOs	C3 (see section K)	No
5.15	RCD(s) provided for protection against fire - includes RCBOs	N/A	No
5.16	Manual operation of circuit-breakers and RCDs to prove disconnection	LIM	No
5.17	Confirmation that integral test button/switch causes RCD(S) to trip when operated (functional check)	LIM	No

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Outcomes	Acceptable condition	✓	Unacceptable condition	State C1 or C2	Improvement recommended	State C3	Further investigation	FI	Not verified	N/V	Limitation	LIM	Not applicable	N/A

Item No	Description	Outcome	Comments
5.0	**Distribution equipment (continued)**		
5.18	Presence of RCD six-monthly retest notice at or near equipment, where required	C3 (see section K)	No
5.19	Presence of diagrams, charts or schedules at or near equipment, where required	C3 (see section K)	No
5.20	Presence of non-standard (mixed) cable colour warning notices at or near equipment, where required	C3 (see section K)	No
5.21	Presence of next inspection recommendation label	✓	No
5.22	All other required labelling provided	N/A	No
5.23	Compatibility of protective device(s), base(s) and other components	✓	No
5.24	Single-pole switching or protective devices in line conductors only	✓	No
5.25	Protection against mechanical damage where cables enter equipment	✓	No
5.26	Protection against electromagnetic effects where cables enter ferromagnetic enclosures	✓	No
6.0	**Distribution/final circuits**		
6.1	Identification of conductors	✓	No
6.2	Cables correctly supported throughout their length	C3 (see section K)	No
6.3	Condition of insulation of live parts	✓	No
6.4	Non-sheathed cables protected by enclosures in conduit, ducting or trunking	✓	No
6.5	Suitability of containment systems for continued use (including flexible conduit)	✓	No
6.6	Cables correctly terminated in enclosures (indicate extent of sampling in Section D of report)	✓	No
6.7	Indication of SPD(s) continued functionality confirmed	N/A	No
6.8	Adequacy of AFDD(s), where specified	N/A	No
6.9	Confirmation that conductor connections, including connections to busbars are correctly located in terminals and are tight and secure	LIM	No
6.10	Examination of cables for signs of unacceptable thermal and mechanical damage/deterioration	✓	No
6.11	Adequacy of cables for current-carrying capacity with regard to the type and nature of installation	✓	No
6.12	Adequacy of protective devices; type and rated current for fault protection	✓	No
6.13	Presence and adequacy of circuit protective conductors	✓	No
6.14	Co-ordination between conductors and overload protective devices	✓	No
6.15	Cable installation methods/practices appropriate to the type and nature of installation and external influences	✓	No
6.16	Cables where exposed to direct sunlight, of a suitable type or adequately protected against solar radiation	✓	No
6.17	Cables adequately protected against damage and abrasion	✓	No
6.18	Provision of additional protection by an RCD not exceeding 30 mA for:		
6.18.1	- all socket-outlets with a rated current not exceeding 32 A, unless exempt	C3 (see section K)	No
6.18.2	- supplies for mobile equipment with a rated current not exceeding 32 A for use outdoors	✓	No
6.18.3	- cables concealed in walls/partitions at a depth of less than 50 mm	C3 (see section K)	No
6.18.4	- cables concealed in walls/partitions containing metal parts regardless of depth	LIM	No
6.18.5	- circuits supplying luminaires within domestic (household) premises	N/A	No
	Note: Older installations designed prior to BS 7671: 2018 may not have been provided with RCDs for additional protection.		
6.19	Provision of fire barriers, sealing arrangements and protection against thermal effects	N/V	No
6.20	Band II cables segregated/separated from Band I cables	N/V	No
6.21	Cables segregated/separated from non-electrical services	N/V	No
6.22	Termination of cables at enclosures (identify numbers and locations of items inspected in Section D):		
6.22.1	Connections under no undue strain	✓	No
6.22.2	No basic insulation of a conductor, visible outside an enclosure	✓	No
6.22.3	Connections of live conductors adequately enclosed	✓	No
6.22.4	Adequacy of connection at point of entry to enclosure	✓	No
6.23	Temperature rating of cable insulation adequate	✓	No
6.24	Condition of accessories including socket-outlets, switches and joint boxes satisfactory	✓	No
6.25	Suitability of accessories for external influences	✓	No
6.26	Single-pole switching or protective devices in line conductors only	✓	No
6.27	Adequacy of connections, including CPCs, within accessories and to fixed and stationary equipment	LIM	No

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Outcomes	Acceptable condition	✓	Unacceptable condition	State C1 or C2	Improvement recommended	State C3	Further investigation	FI	Not verified	N/V	Limitation	LIM	Not applicable	N/A

Item No	Description	Outcome	Comments
7.0	**Isolation and switching**		
7.1	Isolators:		
7.1.1	Presence and condition of appropriate devices	✓	No
7.1.2	Acceptable location (local/remote)	✓	No
7.1.3	Capable of being secured in the OFF position	LIM	No
7.1.4	Correct operation verified	LIM	No
7.1.5	Clearly identified by position and/or durable markings	✓	No
7.1.6	Warning label posted in situations where live parts cannot be isolated by the operation of a single device	N/A	No
7.2	Switching off for mechanical maintenance:		
7.2.1	Presence and condition of appropriate devices	LIM	No
7.2.2	Acceptable location	LIM	No
7.2.3	Capable of being secured in the OFF position	LIM	No
7.2.4	Correct operation verified	LIM	No
7.2.5	Clearly identified by position and/or durable marking(s)	LIM	No
7.3	Emergency switching off/stopping:		
7.3.1	Presence and condition of appropriate devices	N/A	No
7.3.2	Readily accessible for operation where danger might occur	N/A	No
7.3.3	Correct operation verified	N/A	No
7.4	Functional switching:		
7.4.1	Presence and condition of appropriate devices	✓	No
7.4.2	Correct operation (functionality) verified	✓	No
8.0	**Current-using equipment (permanently connected)**		
8.1	Condition of equipment in terms of IP rating	✓	No
8.2	Equipment does not constitute a fire hazard	✓	No
8.3	Enclosure not damaged/deteriorated so as to impair safety	✓	No
8.4	Suitability for the environment and external influences	✓	No
8.5	Security of fixing	✓	No
8.6	Cable entry holes in ceiling above luminaires, sized or sealed so as to restrict the spread of fire	N/V	No
8.7	Recessed luminaires (e.g. downlighters):		
8.7.1	Correct type of lamps fitted	N/A	No
8.7.2	Installed to minimise build-up of heat	N/A	No
8.7.3	No signs of overheating to surrounding building fabric	N/A	No
8.7.4	No signs of overheating to conductors/terminations	N/A	No
9.0	**List all special installations or locations covered by this report**		

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9.0	List all special installations or locations covered by this report cont...

Inspected By

Name: Ryan Marr

Date: 22/11/2019

Signature:

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Board Details

TO BE COMPLETED IN EVERY CASE		ONLY TO BE COMPLETED IF THE DISTRIBUTION BOARD IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION					
Location of Distribution Board	mains room	Supply to distribution board is from:	N/A			Associated RCD (if any)	
		No of phases	N/A	Nominal Voltage	N/A V	BS(EN)	N/A
Distribution board designation	section panel	Overcurrent protective device for the distribution circuit				RCD No of Poles	N/A
		Type BS(EN)	N/A	Rating	N/A A	RCD Rating	N/A mA

Circuit Details

Circuit number and phase	Circuit designation	Type of wiring	Reference method	No of points served	Circuit conductors csa		Max permitted disconnection times (s)	Overcurrent protective device					RCD	Maximum permitted Zs (Ω)
					Live mm²	cpc mm²		BS(EN)	AFDD	Type	Rating (A)	Short circuit capacity (kA)	Operating current (IΔn)	
1/TP	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-
2/TP	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-
3/TP	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-
4/TP	boilerhouse control panel	F	E	1	25	swa	5	60947-2 MCCB			63	25	N/A	LIM
5/TP	Sub Mains(DB ground floor)	F	E	1	25	swa	5	60947-2 MCCB			63	25	N/A	LIM
6/TP	Sub Mains(DB freezers)	D	E	1	25	25	5	60947-2 MCCB			100	25	N/A	LIM
7/TP	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-
8/TP	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-
9/L1	Sub Mains(DB staff 1)	F	E	2	LIM	LIM	5	60947-2 MCCB			63	25	N/A	LIM
9/L2	Sub Mains(DB mem epos)	F	E	1	6	swa	5	60947-2 MCCB			30	25	N/A	LIM
9/L3	Sub Mains(pharmacy db)	F	E	1	25	swa	5	60947-2 MCCB			63	25	N/A	LIM
10/TP	ahu isolated	LIM	LIM	LIM	LIM	LIM	LIM	60947-2 MCCB			63	25	N/A	LIM
11/TP	ahu isolated	LIM	LIM	LIM	LIM	LIM	LIM	60947-2 MCCB			63	25	N/A	LIM
12/TP	Sub Mains(DB sales)	D	B	1	25	25	5	60947-2 MCCB			100	25	N/A	LIM

Wiring Code

A	B	C	D	E	F	G	H	O
PVC/PVC cables	PVC cables in metallic conduit	PVC cables in non-metallic conduit	PVC cables in metallic trunking	PVC cables in non-metallic trunking	PVC/SWA cables	XLPE/SWA cables	Mineral insulated cables	Other

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Board Tests

TO BE COMPLETED IN EVERY CASE

Correct supply polarity confirmed ✓ Phase sequence confirmed (where appropriate) N/A

Supplementary Conductors ✓

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

Zs N/A Ω Ipf N/A kA

Operating times of associated RCD (if any) At IΔn N/A ms

TEST INSTRUMENTS (SERIAL NUMBERS) USED

Earth fault loop impedance	3893067	RCD	3893067
Insulation resistance	3893067	Multi-function	N/A
Continuity	3893067	Other	N/A

Details of circuits and/or equipment vulnerable to damage

N/A

Circuit Tests

Circuit number and phase	Circuit Impedances Ω					Insulation resistance					Polarity (v)	Maximum measured earth fault loop impedance Ω	RCD		AFDD Test button operation	Remarks see continuation sheet
	Ring final circuits only (measure end to end)			All circuits (At least one column to be completed)		Test Voltage	Live/ Live MΩ	Live/ Neutral MΩ	Live/ Earth MΩ	Earth/ Neutral MΩ			Operating time at IΔn (ms)	Test button operation		
	r_1 (Line)	r_n (Neutral)	r_2 (cpc)	$(R_1 + R_2)$	(R_2)											
1/TP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2/TP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3/TP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4/TP	N/A	N/A	N/A	N/A	✓	N/A	LIM	LIM	LIM	LIM	✓	0.23	N/A	N/A		NO
5/TP	N/A	N/A	N/A	N/A	✓	N/A	LIM	LIM	LIM	LIM	✓	0.21	N/A	N/A		NO
6/TP	N/A	N/A	N/A	N/A	✓	N/A	LIM	LIM	LIM	LIM	✓	0.17	N/A	N/A		NO
7/TP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8/TP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9/L1	N/A	N/A	N/A	N/A	✓	N/A	N/A	LIM	LIM	LIM	✓	0.18	N/A	N/A		NO
9/L2	N/A	N/A	N/A	N/A	✓	N/A	N/A	LIM	LIM	LIM	✓	0.27	N/A	N/A		NO
9/L3	N/A	N/A	N/A	N/A	✓	N/A	N/A	LIM	LIM	LIM	✓	0.22	N/A	N/A		NO
10/TP	N/A	N/A	N/A	N/A	LIM	N/A	LIM	LIM	LIM	LIM		LIM	N/A	N/A		YES
11/TP	N/A	N/A	N/A	N/A	LIM	N/A	LIM	LIM	LIM	LIM		LIM	N/A	N/A		YES
12/TP	N/A	N/A	N/A	N/A	✓	N/A	LIM	LIM	LIM	LIM	✓	0.16	N/A	N/A		NO

Tested By

Signature		Position	Electrician
Name	Ryan Marr	Date of testing	22/11/2019

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Board Details

TO BE COMPLETED IN EVERY CASE		ONLY TO BE COMPLETED IF THE DISTRIBUTION BOARD IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION			
Location of Distribution Board	mains toom	Supply to distribution board is from:	SubMains(section panel, 12/TP)	Associated RCD (if any)	
		No of phases	3	Nominal Voltage 400 V	BS(EN) N/A
Distribution board designation	DB sales	Overcurrent protective device for the distribution circuit			RCD No of Poles N/A
		Type BS(EN)	60947-2 MCCB	Rating 100 A	RCD Rating N/A mA

Circuit Details

Circuit number and phase	Circuit designation	Type of wiring	Reference method	No of points served	Circuit conductors csa		Max permitted disconnection times (s)	Overcurrent protective device					RCD	Maximum permitted Zs (Ω)
					Live mm²	cpc mm²		BS(EN)	AFDD	Type	Rating (A)	Short circuit capacity (kA)	Operating current (IΔn)	
1/TP	canalis 1	F	E	49	6	swa	0.4	60898 MCB		C	20	10	N/A	0.87
2/TP	canalis 2	F	E	37	6	swa	0.4	60898 MCB		C	20	10	N/A	0.87
3/TP	canalis 3	F	E	46	6	swa	0.4	60898 MCB		C	20	10	N/A	0.87
4/TP	canalis 4	F	E	48	6	swa	0.4	60898 MCB		C	20	10	N/A	0.87
5/L1	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-
5/L2	Signage	F	E	LIM	4	swa	0.4	60898 MCB		C	25	10	N/A	0.69
5/L3	sign lights contactor	D	E	1	1.5	1.5	0.4	60898 MCB		B	10	10	N/A	3.49
6/L1	e lights contactor and mains room lighting	D	E	4	1.5	1.5	0.4	60898 MCB		B	10	10	N/A	3.49
6/L2	shop lighting contactor	F	E	2	1.5	1.5	0.4	60898 MCB		B	10	10	N/A	3.49
6/L3	front roller shutter	F	E	1	4	4	0.4	60898 MCB		B	16	10	N/A	2.18
7/L1	fire alarm	O	E	1	2.5	2.5	0.4	60898 MCB		B	16	10	N/A	2.18
7/L2	auto doors	F	E	1	1.5	swa	0.4	60898 MCB		C	20	10	N/A	0.87
7/L3	tills	O	E	lim	2.5	2.5	0.4	60898 MCB		B	16	10	N/A	2.18
8/L1	front door lights	A	E	LIM	2.5	1.5	0.4	60898 MCB		C	20	10	N/A	0.87
8/L2	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-
8/L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-
9/L1	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-
9/L2	tills dirty	A	E	lim	2.5	1.5	0.4	61009 RCD/RCBO		C	16	10	30	1.09
9/L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-
10/TP	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-
11/TP	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-
12/TP	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-

Wiring Code

A	B	C	D	E	F	G	H	O
PVC/PVC cables	PVC cables in metallic conduit	PVC cables in non-metallic conduit	PVC cables in metallic trunking	PVC cables in non-metallic trunking	PVC/SWA cables	XLPE/SWA cables	Mineral insulated cables	Other

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Board Tests

TO BE COMPLETED IN EVERY CASE

Correct supply polarity confirmed ✓ Phase sequence confirmed (where appropriate) N/A

Supplementary Conductors ✓

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

Zs 0.16 Ω Ipf 3 kA

Operating times of associated RCD (if any) At I Δ n N/A ms

TEST INSTRUMENTS (SERIAL NUMBERS) USED

Earth fault loop impedance	N/A	RCD	N/A
Insulation resistance	N/A	Multi-function	N/A
Continuity	N/A	Other	N/A

Details of circuits and/or equipment vulnerable to damage

Merlin isobar 4

Circuit Tests

Circuit number and phase	Circuit Impedances Ω					Insulation resistance					Polarity (v)	Maximum measured earth fault loop impedance Ω	RCD		AFDD Test button operation	Remarks see continuation sheet
	Ring final circuits only (measure end to end)			All circuits (At least one column to be completed)		Test Voltage	Live/ Live MΩ	Live/ Neutral MΩ	Live/ Earth MΩ	Earth/ Neutral MΩ			Operating time at IΔ n (ms)	Test button operation		
	r_1 (Line)	r_n (Neutral)	r_2 (cpc)	$(R_1 + R_2)$	(R_2)											
1/TP	N/A	N/A	N/A	N/A	✓	N/A	LIM	LIM	LIM	LIM	✓	0.86	N/A	N/A		NO
2/TP	N/A	N/A	N/A	N/A	✓	N/A	LIM	LIM	LIM	LIM	✓	0.57	N/A	N/A		NO
3/TP	N/A	N/A	N/A	N/A	✓	N/A	LIM	LIM	LIM	LIM	✓	0.56	N/A	N/A		NO
4/TP	N/A	N/A	N/A	N/A	✓	N/A	LIM	LIM	LIM	LIM	✓	0.55	N/A	N/A		NO
5/L1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5/L2	N/A	N/A	N/A	N/A	LIM	N/A	N/A	LIM	LIM	LIM		LIM	N/A	N/A		YES
5/L3	N/A	N/A	N/A	N/A	✓	N/A	N/A	LIM	LIM	LIM	✓	0.24	N/A	N/A		NO
6/L1	N/A	N/A	N/A	N/A	✓	N/A	N/A	LIM	LIM	LIM	✓	0.36	N/A	N/A		NO
6/L2	N/A	N/A	N/A	N/A	✓	N/A	N/A	LIM	LIM	LIM	✓	0.46	N/A	N/A		NO
6/L3	N/A	N/A	N/A	N/A	LIM	N/A	N/A	LIM	LIM	LIM		LIM	N/A	N/A		YES
7/L1	N/A	N/A	N/A	N/A	✓	N/A	N/A	LIM	LIM	LIM	✓	0.38	N/A	N/A		NO
7/L2	N/A	N/A	N/A	N/A	LIM	N/A	N/A	LIM	LIM	LIM		LIM	N/A	N/A		YES
7/L3	N/A	N/A	N/A	N/A	LIM	N/A	N/A	LIM	LIM	LIM		LIM	N/A	N/A		YES
8/L1	N/A	N/A	N/A	N/A	LIM	N/A	N/A	LIM	LIM	LIM		LIM	N/A	N/A		YES
8/L2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8/L3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9/L1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9/L2	N/A	N/A	N/A	N/A	LIM	N/A		LIM	LIM	LIM		LIM	LIM	N/A		YES
9/L3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10/TP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11/TP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12/TP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Tested By

Signature		Position	Electrician
Name	Ryan Marr	Date of testing	22/11/2019

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Board Details

TO BE COMPLETED IN EVERY CASE		ONLY TO BE COMPLETED IF THE DISTRIBUTION BOARD IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION				Associated RCD (if any)	
Location of Distribution Board	mains room	Supply to distribution board is from:	SubMains(section panel, 6/TP)			BS(EN)	N/A
		No of phases	3	Nominal Voltage	400 V	RCD No of Poles	N/A
Distribution board designation	DB freezers	Overcurrent protective device for the distribution circuit					
		Type BS(EN)	60947-2 MCCB	Rating	100 A	RCD Rating	N/A mA

Circuit Details

Circuit number and phase	Circuit designation	Type of wiring	Reference method	No of points served	Circuit conductors csa		Max permitted disconnection times (s)	Overcurrent protective device					RCD	Maximum permitted Zs (Ω)
					Live mm²	cpc mm²		BS(EN)	AFDD	Type	Rating (A)	Short circuit capacity (kA)	Operating current (IΔn)	
1/TP	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-
2/TP	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-
3/TP	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-
4/TP	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-
5/L1	drinks fridges	F	E	2	2.5	2.5	0.4	60898 MCB		C	16	10	30	1.09
5/L2	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-
5/L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-
6/TP	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-
7/TP	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-
9/TP	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-
10/TP	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-
8/TP	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-
11/TP	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-
12/TP	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-

Wiring Code

A	B	C	D	E	F	G	H	O
PVC/PVC cables	PVC cables in metallic conduit	PVC cables in non-metallic conduit	PVC cables in metallic trunking	PVC cables in non-metallic trunking	PVC/SWA cables	XLPE/SWA cables	Mineral insulated cables	Other

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Board Tests

TO BE COMPLETED IN EVERY CASE

Correct supply polarity confirmed ✓ Phase sequence confirmed (where appropriate) N/A

Supplementary Conductors ✓

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

Zs 0.17 Ω Ipf 3 kA

Operating times of associated RCD (if any) At I Δ n N/A ms

TEST INSTRUMENTS (SERIAL NUMBERS) USED

Earth fault loop impedance	3893067	RCD	3893067
Insulation resistance	3893067	Multi-function	N/A
Continuity	3893067	Other	N/A

Details of circuits and/or equipment vulnerable to damage

Merlin isobar 4

Circuit Tests

Circuit number and phase	Circuit Impedances Ω					Insulation resistance					Polarity (v)	Maximum measured earth fault loop impedance Ω	RCD		AFDD Test button operation	Remarks see continuation sheet
	Ring final circuits only (measure end to end)			All circuits (At least one column to be completed)		Test Voltage	Live/ Live MΩ	Live/ Neutral MΩ	Live/ Earth MΩ	Earth/ Neutral MΩ			Operating time at IΔ n (ms)	Test button operation		
	r_1 (Line)	r_n (Neutral)	r_2 (cpc)	$(R_1 + R_2)$	(R_2)											
1/TP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2/TP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3/TP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4/TP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5/L1	N/A	N/A	N/A	N/A	✓	N/A	N/A	LIM	LIM	LIM	✓	0.41	30.9	✓		NO
5/L2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5/L3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6/TP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7/TP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9/TP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10/TP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8/TP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11/TP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12/TP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Tested By

Signature		Position	Electrician
Name	Ryan Marr	Date of testing	22/11/2019

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Board Details

TO BE COMPLETED IN EVERY CASE		ONLY TO BE COMPLETED IF THE DISTRIBUTION BOARD IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION			
Location of Distribution Board	warehouse wall	Supply to distribution board is from:	SubMains(section panel, 5/TP)	Associated RCD (if any)	
		No of phases	3	Nominal Voltage 400 V	BS(EN) N/A
Distribution board designation	DB ground floor	Overcurrent protective device for the distribution circuit			RCD No of Poles N/A
		Type BS(EN)	60947-2 MCCB	Rating 63 A	RCD Rating N/A mA

Circuit Details

Circuit number and phase	Circuit designation	Type of wiring	Reference method	No of points served	Circuit conductors csa		Max permitted disconnection times (s)	Overcurrent protective device					RCD	Maximum permitted Zs (Ω)
					Live mm²	cpc mm²		BS(EN)	AFDD	Type	Rating (A)	Short circuit capacity (kA)	Operating current (IΔn)	
1/L1	warehouse lighting	D	B	6	1.5	1.5	0.4	60898 MCB		B	10	10	N/A	3.49
1/L2	warehouse lighting	D	B	6	1.5	1.5	0.4	60898 MCB		B	10	10	N/A	3.49
1/L3	warehouse lighting	D	B	6	1.5	1.5	0.4	60898 MCB		B	10	10	N/A	3.49
2/L1	warehouse lighting	D	B	5	1.5	1.5	0.4	60898 MCB		B	10	10	N/A	3.49
2/L2	warehouse lighting	D	B	6	1.5	1.5	0.4	60898 MCB		B	10	10	N/A	3.49
2/L3	warehouse lighting	D	B	10	1.5	1.5	0.4	60898 MCB		B	10	10	N/A	3.49
3/L1	em lighting	D	B	17	1.5	1.5	0.4	60898 MCB		B	10	10	N/A	3.49
3/L2	sockets warehouse	FCO	EBC	4	2x6	swa	0.4	61009 RCD/RCBO		C	20	10	30	0.87
3/L3	corridor lighting	O	E	6	1.5	1.5	0.4	60898 MCB		B	10	10	N/A	3.49
4/L1	Socket Above Ceiling	O	E	1	2.5	2.5	0.4	60898 MCB		C	16	10	N/A	1.09
4/L2	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-
4/L3	Doorbell, alarm psu and small room lighting	OD	EB	5	0.75	0.75	0.4	60898 MCB		C	6	10	N/A	2.91
5/L1	toilet water heater	O	E	1	2.5	2.5	0.4	60898 MCB		B	16	10	N/A	2.18
5/L2	charger socket	F	E	1	2.5	swa	0.4	61009 RCD/RCBO		C	16	10	30	1.09
5/L3	compactor	F	E	1	2.5	2.5	0.4	60898 MCB		C	16	10	N/A	1.09
6/L1	gents hand dryer	D	B	1	2.5	1.5	0.4	61009 RCD/RCBO		C	20	10	30	0.87
6/L2	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-
6/L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-
7/TP	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-
8/TP	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-
9/TP	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-
10/TP	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-
11/TP	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-
12/TP	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-

Wiring Code

A	B	C	D	E	F	G	H	O
PVC/PVC cables	PVC cables in metallic conduit	PVC cables in non-metallic conduit	PVC cables in metallic trunking	PVC cables in non-metallic trunking	PVC/SWA cables	XLPE/SWA cables	Mineral insulated cables	Other

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Board Tests

TO BE COMPLETED IN EVERY CASE

Correct supply polarity confirmed ✓

Phase sequence confirmed (where appropriate) N/A

Supplementary Conductors ✓

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

Zs 0.21 Ω Ipf 2.4 kA

Operating times of associated RCD (if any) At IΔn N/A ms

TEST INSTRUMENTS (SERIAL NUMBERS) USED

Earth fault loop impedance	3893067	RCD	3893067
Insulation resistance	3893067	Multi-function	N/A
Continuity	3893067	Other	N/A

Details of circuits and/or equipment vulnerable to damage

Merlin isobar 4

Circuit Tests

Circuit number and phase	Circuit Impedances Ω: Ring final circuits only (measure end to end)			All circuits (At least one column to be completed)		Insulation resistance					Polarity (v)	Maximum measured earth fault loop impedance Ω	RCD		AFDD Test button operation	Remarks see continuation sheet
	r_1 (Line)	r_n (Neutral)	r_2 (cpc)	$(R_1 + R_2)$	(R_2)	Test Voltage	Live/ Live MΩ	Live/ Neutral MΩ	Live/ Earth MΩ	Earth/ Neutral MΩ			Operating time at IΔn (ms)	Test button operation		
1/L1	N/A	N/A	N/A	N/A	✓	N/A	N/A	LIM	LIM	LIM	✓	0.54	N/A	N/A		NO
1/L2	N/A	N/A	N/A	N/A	✓	N/A	N/A	LIM	LIM	LIM	✓	0.55	N/A	N/A		NO
1/L3	N/A	N/A	N/A	N/A	✓	N/A	N/A	LIM	LIM	LIM	✓	0.59	N/A	N/A		NO
2/L1	N/A	N/A	N/A	N/A	✓	N/A	N/A	LIM	LIM	LIM	✓	0.51	N/A	N/A		NO
2/L2	N/A	N/A	N/A	N/A	✓	N/A	N/A	LIM	LIM	LIM	✓	0.78	N/A	N/A		NO
2/L3	N/A	N/A	N/A	N/A	✓	N/A	N/A	LIM	LIM	LIM	✓	0.82	N/A	N/A		NO
3/L1	N/A	N/A	N/A	N/A	✓	N/A	N/A	LIM	LIM	LIM	✓	1.98	N/A	N/A		NO
3/L2	N/A	N/A	N/A	N/A	✓	N/A	N/A	LIM	LIM	LIM	✓	0.37	39.8	✓		NO
3/L3	N/A	N/A	N/A	N/A	✓	N/A	N/A	LIM	LIM	LIM	✓	1.53	N/A	N/A		NO
4/L1	N/A	N/A	N/A	N/A	✓	N/A	N/A	LIM	LIM	LIM	✓	0.43	N/A	N/A		NO
4/L2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4/L3	N/A	N/A	N/A	N/A	✓	N/A	N/A	LIM	LIM	LIM	✓	0.88	N/A	N/A		NO
5/L1	N/A	N/A	N/A	N/A	✓	N/A	N/A	LIM	LIM	LIM	✓	0.50	N/A	N/A		NO
5/L2	N/A	N/A	N/A	N/A	✓	N/A	N/A	LIM	LIM	LIM	✓	0.57	28.8	✓		NO
5/L3	N/A	N/A	N/A	N/A	✓	N/A	N/A	LIM	LIM	LIM	✓	0.45	N/A	N/A		NO
6/L1	N/A	N/A	N/A	N/A	✓	N/A	N/A	LIM	LIM	LIM	✓	0.67	29	✓		NO
6/L2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6/L3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7/TP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8/TP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9/TP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10/TP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11/TP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12/TP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Tested By

Signature		Position	Electrician
Name	Ryan Marr	Date of testing	22/11/2019

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Board Details

TO BE COMPLETED IN EVERY CASE		ONLY TO BE COMPLETED IF THE DISTRIBUTION BOARD IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION				Associated RCD (if any)	
Location of Distribution Board	store room	Supply to distribution board is from:	N/A			BS(EN)	N/A
		No of phases	1	Nominal Voltage	230 V	RCD No of Poles	N/A
Distribution board designation	DB front store	Overcurrent protective device for the distribution circuit					
		Type BS(EN)	N/A	Rating	N/A A	RCD Rating	N/A mA

Circuit Details

Circuit number and phase	Circuit designation	Type of wiring	Reference method	No of points served	Circuit conductors csa		Max permitted disconnection times (s)	Overcurrent protective device					RCD	Maximum permitted Zs (Ω)
					Live mm²	cpc mm²		BS(EN)	AFDD	Type	Rating (A)	Short circuit capacity (kA)	Operating current (IΔn)	
1/L1	alarms	O	C102	lim	2.5	2.5	0.4	60898 MCB		B	10	10	N/A	3.49
2/L1	tills	O	C102	lim	2.5	2.5	0.4	60898 MCB		B	16	10	N/A	2.18
3/L1	water heater	O	B	1	2.5	2.5	0.4	60898 MCB		B	16	10	N/A	2.18
4/L1	Red FP	O	C102	LIM	2.5	2.5	0.4	60898 MCB		C	25	10	N/A	0.69
5/L1	ring main	O	C102	6	2.5	2.5	0.4	61009 RCD/RCBO		C	32	10	30	0.54
6/L1	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-
7/L1	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-
8/L1	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-
9/L1	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-

Wiring Code

A	B	C	D	E	F	G	H	O
PVC/PVC cables	PVC cables in metallic conduit	PVC cables in non-metallic conduit	PVC cables in metallic trunking	PVC cables in non-metallic trunking	PVC/SWA cables	XLPE/SWA cables	Mineral insulated cables	Other

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Board Tests

TO BE COMPLETED IN EVERY CASE

Correct supply polarity confirmed ✓

Phase sequence confirmed (where appropriate) N/A

Supplementary Conductors ✓

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

Zs 0.25 Ω Ipf 1 kA

Operating times of associated RCD (if any) At I Δ n N/A ms

TEST INSTRUMENTS (SERIAL NUMBERS) USED

Earth fault loop impedance	3893067	RCD	3893067
Insulation resistance	3893067	Multi-function	N/A
Continuity	3893067	Other	N/A

Details of circuits and/or equipment vulnerable to damage

Merlin isobsr 4Fed in 16mm swa with swa earth

Circuit Tests

Circuit number and phase	Circuit Impedances Ω					Insulation resistance					Polarity (v)	Maximum measured earth fault loop impedance Ω	RCD		AFDD Test button operation	Remarks see continuation sheet
	Ring final circuits only (measure end to end)			All circuits (At least one column to be completed)		Test Voltage	Live/ Live MΩ	Live/ Neutral MΩ	Live/ Earth MΩ	Earth/ Neutral MΩ			Operating time at IΔ n (ms)	Test button operation		
	r_1 (Line)	r_n (Neutral)	r_2 (cpc)	$(R_1 + R_2)$	(R_2)											
1/L1	N/A	N/A	N/A	N/A	LIM	N/A	N/A	LIM	LIM	LIM		LIM	N/A	N/A		YES
2/L1	N/A	N/A	N/A	N/A	LIM	N/A	N/A	LIM	LIM	LIM		LIM	N/A	N/A		YES
3/L1	N/A	N/A	N/A	N/A	✓	N/A	N/A	LIM	LIM	LIM	✓	0.26	N/A	N/A		NO
4/L1	N/A	N/A	N/A	N/A	LIM	N/A	N/A	LIM	LIM	LIM		LIM	N/A	N/A		YES
5/L1	N/A	N/A	N/A	N/A	✓	N/A	N/A	LIM	LIM	LIM	✓	0.40	28.6	✓		NO
6/L1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7/L1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8/L1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9/L1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Tested By

Signature		Position	Electrician
Name	Ryan Marr	Date of testing	22/11/2019

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Board Details

TO BE COMPLETED IN EVERY CASE		ONLY TO BE COMPLETED IF THE DISTRIBUTION BOARD IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION					
Location of Distribution Board	store room back of shop	Supply to distribution board is from:	SubMains(section panel, 9/L3)			Associated RCD (if any)	
		No of phases	1	Nominal Voltage	0 V	BS(EN)	N/A
Distribution board designation	pharmacy db	Overcurrent protective device for the distribution circuit				RCD No of Poles	N/A
		Type BS(EN)	60947-2 MCCB	Rating	63 A	RCD Rating	N/A mA

Circuit Details

Circuit number and phase	Circuit designation	Type of wiring	Reference method	No of points served	Circuit conductors csa		Max permitted disconnection times (s)	Overcurrent protective device					RCD	Maximum permitted Zs (Ω)
					Live mm²	cpc mm²		BS(EN)	AFDD	Type	Rating (A)	Short circuit capacity (kA)	Operating current (IΔn)	
1/L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-
2/L3	water heater	O	C102	1	2.5	2.5	0.4	60898 MCB		B	16	10	N/A	2.18
3/L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-
4/L3	ring main	OE	C102	7	2.5	2.5	0.4	61009 RCD/RCBO		B	32	10	30	1.09
5/L3	meat fridge	A	C102	lim	2.5	1.5	0.4	60898 MCB		C	20	10	N/A	0.87
6/L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-
7/L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-
8/L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-
9/L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-
10/L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-
11/L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-
12/L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-

Wiring Code

A	B	C	D	E	F	G	H	O
PVC/PVC cables	PVC cables in metallic conduit	PVC cables in non-metallic conduit	PVC cables in metallic trunking	PVC cables in non-metallic trunking	PVC/SWA cables	XLPE/SWA cables	Mineral insulated cables	Other

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Board Tests

TO BE COMPLETED IN EVERY CASE

Correct supply polarity confirmed ✓

Phase sequence confirmed (where appropriate) N/A

Supplementary Conductors ✓

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

Zs 0.22 Ω Ipf 1.1 kA

Operating times of associated RCD (if any) At I Δ n N/A ms

TEST INSTRUMENTS (SERIAL NUMBERS) USED

Earth fault loop impedance	3893067	RCD	3893067
Insulation resistance	3893067	Multi-function	N/A
Continuity	3893067	Other	N/A

Details of circuits and/or equipment vulnerable to damage

Merlin isobar 4

Circuit Tests

Circuit number and phase	Circuit Impedances Ω					Insulation resistance					Polarity (v)	Maximum measured earth fault loop impedance Ω	RCD		AFDD Test button operation	Remarks see continuation sheet
	Ring final circuits only (measure end to end)			All circuits (At least one column to be completed)		Test Voltage	Live/ Live MΩ	Live/ Neutral MΩ	Live/ Earth MΩ	Earth/ Neutral MΩ			Operating time at IΔ n (ms)	Test button operation		
	r_1 (Line)	r_n (Neutral)	r_2 (cpc)	$(R_1 + R_2)$	(R_2)											
1/L3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2/L3	N/A	N/A	N/A	N/A	✓	N/A	N/A	LIM	LIM	LIM	✓	0.30	N/A	N/A		NO
3/L3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4/L3	N/A	N/A	N/A	N/A	✓	N/A	N/A	LIM	LIM	LIM	✓	0.66	28.4	✓		NO
5/L3	N/A	N/A	N/A	N/A	LIM	N/A	N/A	LIM	LIM	LIM		LIM	N/A	N/A		YES
6/L3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7/L3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8/L3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9/L3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10/L3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11/L3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12/L3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Tested By

Signature		Position	Electrician
Name	Ryan Marr	Date of testing	22/11/2019

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Board Details

TO BE COMPLETED IN EVERY CASE		ONLY TO BE COMPLETED IF THE DISTRIBUTION BOARD IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION			
Location of Distribution Board	top of stairs	Supply to distribution board is from:	SubMains(section panel, 9/L1)	Associated RCD (if any)	
		No of phases	1	Nominal Voltage 0 V	BS(EN) N/A
Distribution board designation	DB staff 1	Overcurrent protective device for the distribution circuit			RCD No of Poles N/A
		Type BS(EN)	60947-2 MCCB	Rating 63 A	RCD Rating N/A mA

Circuit Details

Circuit number and phase	Circuit designation	Type of wiring	Reference method	No of points served	Circuit conductors csa		Max permitted disconnection times (s)	Overcurrent protective device					RCD	Maximum permitted Zs (Ω)
					Live mm²	cpc mm²		BS(EN)	AFDD	Type	Rating (A)	Short circuit capacity (kA)	Operating current (IΔn)	
1/L1	lighting and emerg	OA	C102	19	1.5	1.5	0.4	60898 MCB		B	10	10	N/A	3.49
2/L1	lighting	A	C	16	2.5	1.5	0.4	60898 MCB		B	10	10	N/A	3.49
3/L1	lighting	A	C102	9	2.5	1.5	0.4	60898 MCB		B	10	10	N/A	3.49
4/L1	sockets supevisor room	AE	CB	lim	2.5	1.5	0.4	61009 RCD/RCBO		C	16	10	30	1.09
5/L1	office sockets	AE	CB	lim	4	1.5	0.4	60898 MCB		B	20	10	N/A	1.75
6/L1	sockets office	AE	CB	lim	4	1.5	0.4	60898 MCB		B	20	10	N/A	1.75
7/L1	kitchen and cloak room sockets	A	C102	5	4	1.5	0.4	61009 RCD/RCBO		C	16	10	30	1.09
8/L1	kitchen fan	A	C102	lim	2.5	1.5	0.4	60898 MCB		B	10	10	N/A	3.49
9/L1	female hand dryers	A	C102	2	2.5	1.5	0.4	61009 RCD/RCBO		C	32	10	30	0.54
10/L1	window shutter 1	O	C	lim	1.5	1.5	0.4	60898 MCB		C	16	10	N/A	1.09
11/L1	window shutter 2	O	C	2	1.5	1.5	0.4	60898 MCB		B	16	10	N/A	2.18
12/L1	tank socket roof	O	C	lim	2.5	2.5	0.4	60898 MCB		C	20	10	N/A	0.87

Wiring Code

A	B	C	D	E	F	G	H	O
PVC/PVC cables	PVC cables in metallic conduit	PVC cables in non-metallic conduit	PVC cables in metallic trunking	PVC cables in non-metallic trunking	PVC/SWA cables	XLPE/SWA cables	Mineral insulated cables	Other

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Board Tests

TO BE COMPLETED IN EVERY CASE

Correct supply polarity confirmed ✓ | Phase sequence confirmed (where appropriate) N/A

Supplementary Conductors ✓

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

Zs 0.18 Ω Ipf 1.3 kA

Operating times of associated RCD (if any) At I Δ n N/A ms

TEST INSTRUMENTS (SERIAL NUMBERS) USED

Earth fault loop impedance	3893067	RCD	3893067
Insulation resistance	3893067	Multi-function	N/A
Continuity	3893067	Other	N/A

Details of circuits and/or equipment vulnerable to damage

Merlin isobar 4

Circuit Tests

Circuit number and phase	Circuit Impedances Ω: Ring final circuits only (measure end to end)			All circuits (At least one column to be completed)		Insulation resistance					Polarity (v)	Maximum measured earth fault loop impedance Ω	RCD		AFDD Test button operation	Remarks see continuation sheet
	r_1 (Line)	r_n (Neutral)	r_2 (cpc)	$(R_1 + R_2)$	(R_2)	Test Voltage	Live/ Live MΩ	Live/ Neutral MΩ	Live/ Earth MΩ	Earth/ Neutral MΩ			Operating time at I Δ n (ms)	Test button operation		
1/L1	N/A	N/A	N/A	N/A	✓	N/A	N/A	LIM	LIM	LIM	✓	1.69	N/A	N/A		NO
2/L1	N/A	N/A	N/A	N/A	✓	N/A	N/A	LIM	LIM	LIM	✓	0.89	N/A	N/A		NO
3/L1	N/A	N/A	N/A	N/A	✓	N/A	N/A	LIM	LIM	LIM	✓	1.16	N/A	N/A		NO
4/L1	N/A	N/A	N/A	N/A	LIM	N/A	N/A	LIM	LIM	LIM		LIM	LIM	LIM		YES
5/L1	N/A	N/A	N/A	N/A	LIM	N/A	N/A	LIM	LIM	LIM		LIM	N/A	N/A		YES
6/L1	N/A	N/A	N/A	N/A	LIM	N/A	N/A	LIM	LIM	LIM		LIM	N/A	N/A		YES
7/L1	N/A	N/A	N/A	N/A	✓	N/A	N/A	LIM	LIM	LIM	✓	0.79	20.8	✓		NO
8/L1	N/A	N/A	N/A	N/A	LIM	N/A	N/A	LIM	LIM	LIM		LIM	N/A	N/A		YES
9/L1	N/A	N/A	N/A	N/A	✓	N/A	N/A	LIM	LIM	LIM	✓	0.49	39.4	✓		NO
10/L1	N/A	N/A	N/A	N/A	LIM	N/A	N/A	LIM	LIM	LIM		LIM	N/A	N/A		YES
11/L1	N/A	N/A	N/A	N/A	LIM	N/A	N/A	LIM	LIM	LIM		LIM	N/A	N/A		YES
12/L1	N/A	N/A	N/A	N/A	LIM	N/A	N/A	LIM	LIM	LIM		LIM	N/A	N/A		YES

Tested By

Signature		Position	Electrician
Name	Ryan Marr	Date of testing	22/11/2019

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Board Details

TO BE COMPLETED IN EVERY CASE		ONLY TO BE COMPLETED IF THE DISTRIBUTION BOARD IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION			
Location of Distribution Board	top of stairs	Supply to distribution board is from:	N/A	Associated RCD (if any)	
		No of phases	1	Nominal Voltage	0 V
		Overcurrent protective device for the distribution circuit		BS(EN)	N/A
Distribution board designation	DB staff 2	Type BS(EN)	N/A	RCD No of Poles	N/A
		Rating	N/A A	RCD Rating	N/A mA

Circuit Details

Circuit number and phase	Circuit designation	Type of wiring	Reference method	No of points served	Circuit conductors csa		Max permitted disconnection times (s)	Overcurrent protective device					RCD	Maximum permitted Zs (Ω)
					Live mm²	cpc mm²		BS(EN)	AFDD	Type	Rating (A)	Short circuit capacity (kA)	Operating current (IΔn)	
1/S	ups	O	C	lim	2.5	2.5	0.4	60898 MCB		B	16	10	N/A	2.18
2/S	camers	O	C	lim	2.5	2.5	0.4	60898 MCB		B	16	10	N/A	2.18

Wiring Code

A	B	C	D	E	F	G	H	O
PVC/PVC cables	PVC cables in metallic conduit	PVC cables in non-metallic conduit	PVC cables in metallic trunking	PVC cables in non-metallic trunking	PVC/SWA cables	XLPE/SWA cables	Mineral insulated cables	Other

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Board Tests

TO BE COMPLETED IN EVERY CASE

Correct supply polarity confirmed ✓

Phase sequence confirmed (where appropriate) N/A

Supplementary Conductors ✓

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

Zs 0.18 Ω Ipf 1.3 kA

Operating times of associated RCD (if any) At I Δ n N/A ms

TEST INSTRUMENTS (SERIAL NUMBERS) USED

Earth fault loop impedance	3893067	RCD	3893067
Insulation resistance	3893067	Multi-function	N/A
Continuity	3893067	Other	N/A

Details of circuits and/or equipment vulnerable to damage

Square d sqoFed from live side of staff 1 db

Circuit Tests

Circuit number and phase	Circuit Impedances Ω					Insulation resistance					Polarity (v)	Maximum measured earth fault loop impedance Ω	RCD		AFDD Test button operation	Remarks see continuation sheet
	Ring final circuits only (measure end to end)			All circuits (At least one column to be completed)		Test Voltage	Live/ Live MΩ	Live/ Neutral MΩ	Live/ Earth MΩ	Earth/ Neutral MΩ			Operating time at IΔ n (ms)	Test button operation		
	r_1 (Line)	r_n (Neutral)	r_2 (cpc)	$(R_1 + R_2)$	(R_2)											
1/S	N/A	N/A	N/A	N/A	LIM	N/A	N/A	LIM	LIM	LIM		LIM	N/A	N/A		YES
2/S	N/A	N/A	N/A	N/A	LIM	N/A	N/A	LIM	LIM	LIM		LIM	N/A	N/A		YES

Tested By

Signature		Position	Electrician
Name	Ryan Marr	Date of testing	22/11/2019

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Board Details

TO BE COMPLETED IN EVERY CASE		ONLY TO BE COMPLETED IF THE DISTRIBUTION BOARD IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION				Associated RCD (if any)	
Location of Distribution Board	ups room	Supply to distribution board is from:	SubMains(section panel, 9/L2)			BS(EN)	N/A
		No of phases	1	Nominal Voltage	0 V	RCD No of Poles	N/A
Distribution board designation	DB mem epos	Overcurrent protective device for the distribution circuit					
		Type BS(EN)	60947-2 MCCB	Rating	30 A	RCD Rating	N/A mA

Circuit Details

Circuit number and phase	Circuit designation	Type of wiring	Reference method	No of points served	Circuit conductors csa		Max permitted disconnection times (s)	Overcurrent protective device					RCD	Maximum permitted Zs (Ω)
					Live mm²	cpc mm²		BS(EN)	AFDD	Type	Rating (A)	Short circuit capacity (kA)	Operating current (IΔn)	
1/L2	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-
2/L2	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-
3/L2	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-
4/L2	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-
5/L2	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-
6/L2	patch panel	OHE	B	lim	2.5	2.5	0.4	3871 MCB		2	16	9	N/A	1.56

Wiring Code

A	B	C	D	E	F	G	H	O
PVC/PVC cables	PVC cables in metallic conduit	PVC cables in non-metallic conduit	PVC cables in metallic trunking	PVC cables in non-metallic trunking	PVC/SWA cables	XLPE/SWA cables	Mineral insulated cables	Other

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Board Tests

TO BE COMPLETED IN EVERY CASE

Correct supply polarity confirmed ✓

Phase sequence confirmed (where appropriate) N/A

Supplementary Conductors ✓

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

Zs 0.27 Ω Ipf 0.89 kA

Operating times of associated RCD (if any) At I Δ n N/A ms

TEST INSTRUMENTS (SERIAL NUMBERS) USED

Earth fault loop impedance	3893067	RCD	3893067
Insulation resistance	3893067	Multi-function	N/A
Continuity	3893067	Other	N/A

Details of circuits and/or equipment vulnerable to damage

Memshield 1

Circuit Tests

Circuit number and phase	Circuit Impedances Ω					Insulation resistance					Polarity (v)	Maximum measured earth fault loop impedance Ω	RCD		AFDD Test button operation	Remarks see continuation sheet
	Ring final circuits only (measure end to end)			All circuits (At least one column to be completed)		Test Voltage	Live/ Live MΩ	Live/ Neutral MΩ	Live/ Earth MΩ	Earth/ Neutral MΩ			Operating time at IΔ n (ms)	Test button operation		
	r_1 (Line)	r_n (Neutral)	r_2 (cpc)	$(R_1 + R_2)$	(R_2)											
1/L2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2/L2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3/L2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4/L2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5/L2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6/L2	N/A	N/A	N/A	N/A	LIM	N/A	N/A	LIM	LIM	LIM		LIM	N/A	N/A		YES

Tested By

Signature		Position	Electrician
Name	Ryan Marr	Date of testing	22/11/2019

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Board Details

TO BE COMPLETED IN EVERY CASE		ONLY TO BE COMPLETED IF THE DISTRIBUTION BOARD IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION			
Location of Distribution Board	ups room	Supply to distribution board is from:	N/A	Associated RCD (if any)	
		No of phases	1	Nominal Voltage	0 V
		Overcurrent protective device for the distribution circuit		BS(EN)	N/A
Distribution board designation	ups db	Type BS(EN)	N/A	Rating	N/A A
				RCD No of Poles	N/A
				RCD Rating	N/A mA

Circuit Details

Circuit number and phase	Circuit designation	Type of wiring	Reference method	No of points served	Circuit conductors csa		Max permitted disconnection times (s)	Overcurrent protective device					RCD	Maximum permitted Zs (Ω)
					Live mm²	cpc mm²		BS(EN)	AFDD	Type	Rating (A)	Short circuit capacity (kA)	Operating current (IΔn)	
1/S	server	OE	BC	2	2.5	2.5	0.4	60898 MCB		B	16	10	N/A	2.18
2/S	cabinet	A	BC	1	2.5	2.5	0.4	60898 MCB		B	16	10	N/A	2.18

Wiring Code

A	B	C	D	E	F	G	H	O
PVC/PVC cables	PVC cables in metallic conduit	PVC cables in non-metallic conduit	PVC cables in metallic trunking	PVC cables in non-metallic trunking	PVC/SWA cables	XLPE/SWA cables	Mineral insulated cables	Other

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Board Tests

TO BE COMPLETED IN EVERY CASE

Correct supply polarity confirmed ✓

Phase sequence confirmed (where appropriate) N/A

Supplementary Conductors ✓

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

Zs lim Ω Ipf lim kA

Operating times of associated RCD (if any) At I Δ n N/A ms

TEST INSTRUMENTS (SERIAL NUMBERS) USED

Earth fault loop impedance	3893067	RCD	3893067
Insulation resistance	3893067	Multi-function	N/A
Continuity	3893067	Other	N/A

Details of circuits and/or equipment vulnerable to damage

Square d sqo

Circuit Tests

Circuit number and phase	Circuit Impedances Ω					Insulation resistance					Polarity (v)	Maximum measured earth fault loop impedance Ω	RCD		AFDD Test button operation	Remarks see continuation sheet
	Ring final circuits only (measure end to end)			All circuits (At least one column to be completed)		Test Voltage	Live/ Live MΩ	Live/ Neutral MΩ	Live/ Earth MΩ	Earth/ Neutral MΩ			Operating time at IΔ n (ms)	Test button operation		
	r_1 (Line)	r_n (Neutral)	r_2 (cpc)	$(R_1 + R_2)$	(R_2)											
1/S	N/A	N/A	N/A	N/A	LIM	N/A	200	LIM	LIM	LIM		LIM	N/A	N/A		YES
2/S	N/A	N/A	N/A	N/A	LIM	N/A	200	LIM	LIM	LIM		LIM	N/A	N/A		YES

Tested By

Signature		Position	Electrician
Name	Ryan Marr	Date of testing	22/11/2019

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Extent of Electrical Installation covered by this report, Continued. from page 1

without causing undue shutdown or impeding safety of those persons using it. Where impractical to isolate a circuit live testing has been carried out.

Agreed limitations including the reasons, Continued. from page 1

isolation required to essential circuits

Operational Limitations including the reasons, Continued. from page 1

only carried out on circuits during trading times, previous records were not available at the time of inspection, unable to carry out the Ze test as we were unable to shut down the installation. Circuits that are located at high level with no access are a limitation to the inspection. Please refer to the notes section of the report for reference to the circuits that were a limitation to the inspection

Limitations

Under Amendment 3, cables concealed within trunking, conduit, under some floors, roof spaces and in the fabric of the building have not been visually inspected.

No work was carried out on any items or surfaces, or affected by asbestos detailed on the condition report.

The Visual Inspection was carried out as prescribed in Guidance Note 3.

Circuits which were investigated but were unable to be established as to their destination, equipment or accessories served were not tested on the initial inspection as detailed in the report.

Areas where accessories were not accessible due to furniture, mechanical plant or stock etc., have not been fully inspected and tested on the initial visit as detailed in the report.

Ring circuit continuity tests, and RCD testing where the load could not be disconnected or accessed due to operational limitations have not been carried out on the inspection to prevent any disruption to trade.

Areas of the installation that are not permissible due to limited access such as being located within a retail unit, or behind a locked room with no available key or permission to access are deemed a limitation to the inspection and will be recorded on the report.

Insulation resistance testing is not permissible as the inspection was carried out during trading hours with agreed limitations in place to not disrupt trade.

General condition of the installations (In terms of electrical safety), Continued. from page 1

required circuits as per the current regulations. The installation is in an average condition but will require further maintenance and monitoring to maintain is current status. Some of the distribution equipment is of a type no longer available and consideration should be given to its replacement.

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Observations Continued from Page 2

Item No	Description	Code
5	5.0 Distribution equipment 5.20 Presence of non-standard (mixed) cable colour warning notices at or near equipment, where required	C3
6	6.0 Distribution/final circuits 6.2 Cables correctly supported throughout their length	C3
7	6.0 Distribution/final circuits 6.18.1 - all socket-outlets with a rated current not exceeding 32 A, unless exempt	C3
8	6.0 Distribution/final circuits 6.18.3 - cables concealed in walls/partitions at a depth of less than 50 mm	C3

Code Key

C1 - Danger present. Risk of injury. Immediate remedial action required

C2 - Potentially dangerous - urgent remedial action required

C3 - Improvement recommended

FI - Further investigation required without delay

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section panel, 10/TP, ahu isolated - Remarks
Limitation – no access at the time of the inspection
section panel, 11/TP, ahu isolated - Remarks
Limitation – no access at the time of the inspection
DB sales, 5/L2, Signage - Remarks
Limitation – user operations, no disruption to store trading
DB sales, 6/L3, front roller shutter - Remarks
Limitation – user operations, no disruption to store trading
DB sales, 7/L2, auto doors - Remarks
Limitation – user operations, no disruption to store trading
DB sales, 7/L3, tills - Remarks
Limitation – user operations, no disruption to store trading
DB sales, 8/L1, front door lights - Remarks
Limitation – no access at the time of the inspection
DB sales, 9/L2, tills dirty - Remarks
Limitation – user operations, no disruption to store trading
DB front store, 1/L1, alarms - Remarks
Limitation – user operations, no disruption to store trading
DB front store, 2/L1, tills - Remarks
Limitation – user operations, no disruption to store trading
DB front store, 4/L1, Red FP - Remarks
Limitation – no access at the time of the inspection
pharmacy db, 5/L3, meat fridge - Remarks
Limitation - no access during inspection
DB staff 1, 4/L1, sockets supevisor room - Remarks
Limitation – user operations, no disruption to store trading
DB staff 1, 5/L1, office sockets - Remarks
Limitation – user operations, no disruption to store trading
DB staff 1, 6/L1, sockets office - Remarks
Limitation – user operations, no disruption to store trading
DB staff 1, 8/L1, kitchen fan - Remarks
Limitation – no access at the time of the inspection
DB staff 1, 10/L1, window shutter 1 - Remarks
Limitation – no access at the time of the inspection
DB staff 1, 11/L1, window shutter 2 - Remarks
Limitation – no access at the time of the inspection
DB staff 1, 12/L1, tank socket roof - Remarks
Limitation – no access at the time of the inspection
DB staff 2, 1/S, ups - Remarks
Limitation - user operations no disruption to store trading
DB staff 2, 2/S, camers - Remarks
Limitation - user operations no disruption to store trading
DB mem epos, 6/L2, patch panel - Remarks
Limitation - user operations no disruption to store trading
ups db, 1/S, server - Remarks

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Limitation - user operations no disruption to store trading

ups db, 2/S, cabinet - Remarks

Limitation - user operations no disruption to store trading

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CONDITION REPORT GUIDANCE FOR RECIPIENTS
(to be appended to the Report)

This Report is an important and valuable document which should be retained for future reference.

1. The purpose of this Report is to confirm, so far as reasonably practicable, whether or not the electrical installation is in a satisfactory condition for continued service (see Section E). The Report should identify any damage, deterioration, defects and/or conditions which may give rise to danger (see Section K).

2. The person ordering the Report should have received the 'original' Report and the inspector should have retained a duplicate.

3. The 'original' Report should be retained in a safe place and be made available to any person inspecting or undertaking work on the electrical installation in the future. If the property is vacated, this Report will provide the new owner/occupier with details of the condition of the electrical installation at the time the Report was issued.

4. Where the installation incorporates a residual current device (RCD) there should be a notice at or near the device stating that it should be tested six-monthly. **For safety reasons it is important that this instruction is followed.**

5. Section D (Extent and Limitations) should identify fully the extent of the installation covered by this Report and any limitations on the inspection and testing. The inspector should have agreed these aspects with the person ordering the Report and with other interested parties (licensing authority, insurance company, mortgage provider and the like) before the inspection was carried out.

6. Some operational limitations such as inability to gain access to parts of the installation or an item of equipment may have been encountered during the inspection. The inspector should have noted these in Section D.

7. For items classified in Section K as C1 ('Danger present'), **the safety of those using the installation is at risk**, and it is recommended that a skilled person or persons competent in electrical installation work undertakes the necessary remedial work immediately.

8. For items classified in Section K as C2 ('Potentially dangerous'), **the safety of those using the installation may be at risk** and it is recommended that a skilled person or persons competent in electrical installation work undertakes the necessary remedial work as a matter of urgency.

9. Where it has been stated in Section K that an observation requires further investigation (code FI) the inspection has revealed an apparent deficiency which may result in a code C1 or C2, and could not, due to the extent or limitations of the inspection, be fully identified. Such observations should be investigated without delay. A further examination of the installation will be necessary, to determine the nature and extent of the apparent deficiency (see Section F).

10. For safety reasons, the electrical installation should be re-inspected at appropriate intervals by a skilled person or persons, competent in such work. The recommended date by which the next inspection is due is stated in Section F of the Report under 'Recommendations' and on a label at or near to the consumer unit/ distribution board.

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