

ELECTRICAL INSTALLATION CONDITION REPORT

Requirements For Electrical Installations - BS 7671 IET Wiring Regulations Report Reference: 69716

1 DETAI	LS OF THE PERSON ORDERING THE REPORT
Client:	~University of Warwick
Address:	Estates Office, Porta Cabin, R/O Boiler House, Lord Bhattacharyya Way, Coventry, CV4 7AL
2 REAS	ON FOR PRODUCING THIS REPORT
	producing this report:
Safety asse	ssment as requested by the client.
Date(s) on w	hich inspection and testing was carried out: 20/08/2020
3 DETAI	LS OF THE INSTALLATION WHICH IS THE SUBJECT OF THIS REPORT
Installation	Address:~University of Warwick - Year 2 - Compton Residential - 03.023, Estates Office, Porta Cabin, R/O Boiler House, Lord Bhattacharyya Way, Coventry, CV4 7AL
Description o	f premises: Domestic N/A Commercial 🖌 Industrial N/A Other: N/A
Estimated ag	e of wiring system: 20 years Evidence of additions/ alterations: Yes if yes, estimated age: 10 years
Installation re	ecords available? (Regulation 651.1) Yes Date of last inspection: 06/07/2015
A EXTEN	IT AND LIMITATIONS OF INSPECTION AND TESTING
Extent of th	e electrical installation covered by this report:
100% of th	e installation.
-	tions including the reasons (see Regulation 653.2): the additional page at the rear.
Agreed with:	Nigel Harrison - Testing Managers (Estates)
	mitations including the reasons:
Please see	the additional page at the rear.
The increatio	n and tasting detailed in this report and accompanying schedules have been carried out in accordance with PS
7671:2018 (I	n and testing detailed in this report and accompanying schedules have been carried out in accordance with BS ET Wiring Regulations) as amended to 2018.
	noted that cables concealed within trunking and conduits, under floors, in roof spaces, and generally within the fabric g or underground, have not been inspected unless specifically agreed between the client and inspector prior to the
	n inspection should be made within an accessible roof space housing other electrical equipment.
	ARY OF THE CONDITION OF THE INSTALLATION for a summary of the general condition of the installation in terms of electrical safety.
	essment of the installation in terms of it's suitability for UNSATISFACTORY
continued u	se*:
	sfactory assessment indicates that dangerous (Code C1) and/or potentially dangerous (Code C2) nave been identified.
6 RECO	MMENDATIONS
I/We recomm	erall assessment of the suitability of the installation for continued use on page 1 is stated as 'UNSATISFACTORY', end that any observations classified as 'Code 1 - Danger Present' or 'Code 2 - Potentially dangerous' are acted upon
	f urgency. without delay is recommended for observations identified as 'FI - Further Investigation Required'. classified as 'Code 3 - Improvement recommended' should be given due consideration.
-	e necessary remedial action being taken, I/we recommend that n is further inspected and tested by: 5 Years
Note: The pro	posed date for the next inspection should take into consideration the frequency and quality of maintenance that the
installation ca	an reasonably be expected to receive during its intended life. The period should be agreed between relevant parties.

7 <u>_OE</u>	SERVATIONS AND RECOMMENDAT	IONS FOR ACTIONS TO BE TAKEN	
of this r	ing to the attached schedules of inspection eport under 'Extent of the Installation and here are no items adversely affecting electrical	. –	ïed on page 1
/	he following observations and recommendations	or s are made	
Item No		Observations	Classification Code
03-02	3-00-017-DB1 (DB C/G) (Dorman Smit	h)	
1	2 L1 - Lights - Rooms 004 - 009 - 024, 026 impedance (Zs) higher than specified for the	5, 028, 030, 029, 027, 025 - has an earth loop he protective device.	FI
2	9 L2 - RFC - Sockets - Common Room 007 missing.	- White Metal Back box, has 20mm Knock out	C2
03-02	3-00-037-DB1 (DB DB/CT1) (Eaton 3)		1
3	8 L2 - Socket Kitchen - 035A - has sockets equipment outdoors with no 30mA RCD pr	that may be reasonably expected to supply portable otection.	C2
	ne following codes, as appropriate, has been allo ble for the installation the degree of urgency for	boated to each of the observations made above to indicate to remedial action.	o the person(s)
Risk	required C2 Potentially data C2 Potential C2 Potenti		vestigation vithout delay
Immedi	ate remedial action required for items:	N/A	
Urgent	remedial action required for items:	2, 3	
Improve	ement recommended for items:	N/A	
Further	investigation required for items:	1	

Genera This ins There i Main eo	al condit stallatio s additi quipote in the	tion of the i on is in a g ional 30m/ ntial bond following	installa Jood co A RCD Jing co	ation (in ondition protect onnectio	terms on tion to ns to t	of electric various (he follow	al safet circuits ving se	y): however t vices Wat	er / Gas	are co	nnected	in 25mm	n cond		
I/We, I	being th	ne person(s													
inspectic provides	on and te an accu	esting, here urate asses	eby de	clare that	at the ir	nformatio	n in this	report, inc	luding the	e observ	vations ar	nd the atta	ached	schedul	es,
Trading	Title:	~Norwoo	od Ele	ctrical (UK) Lto	d									
Address:		The Coa	ch Hoi	use, Loo	ckingto	n Hall			Registra	ation Nu	umber	03278	8		
		Lockingt	on						(if appli	icable):		00270	0		
		Derbyshi	ire						Telepho	one Nun	nber:	0844 8	300 55	40	
					I	Postcode:	DE7	4 2RH							
For the	INSPE	CTION, TE	STING	G AND A	SSESS	MENT of	the re	port:							
Name:		Joe Wrigh	ht	Pos	sition:	Ele	ectricia	n Sig	gnature:			۵	Date:	20/08/	2020
Report	review	ed and au [.]	thoris	ed for is	ssue by	y:									
Name:		Keith Buc	:k	Pos	sition:	Qualifie	d Supe	rvisor sig	gnature:			E	Date:	20/08/	2020
10 SU	IPPLY	CHARA	CTER	ISTIC	S ANI	D EART	HING	ARRAN	GEMEN	ITS					
Earth													Drotoc	tive De	
	-	Numb	per and	a Type of	Live co	onductors		Nature	of Supply	y Param	eters	Supply	FIDIEC		vice
Arrange TN-S	ments	Numt 1-phase	ac:	~		dc:	N/A	Nominal	u: 400			11 3			
Arrange TN-S	ments		ac: N/A	✔ 1-phase	° N/A	dc: 2 pole:	N/A	Nominal voltage(s):	U: 400) V Uo:	230 V	BS(EN):			
Arrange TN-S TN-C-S	N/A	1-phase (2 wire): 2-phase (3 wire):	ac: N/A N/A	✓ 1-phase (3 wire)	N/A	dc: 2 pole: 3 pole:	N/A N/A	Nominal voltage(s): Nomina Prospec	U: 400 I frequenc tive fault) V Uo: cy, f:	230 V 50 Hz	BS(EN): Type:	BS E	N 6094 	17-3
Arrange TN-S	N/A N/A	1-phase (2 wire): 2-phase (3 wire): 3-phase (3 wire):	ac: N/A	1-phase(3 wire)3-phase	N/A	dc: 2 pole:	N/A	Nominal voltage(s): Nomina Prospec current,	U: 400 I frequenc tive fault Ipf:	VUo:	230 V 50 Hz 4.2 kA	BS(EN): Type: Rated cur Short-circ	BS E	N 6094 250	17-3 A
Arrange TN-S TN-C-S	N/A	1-phase (2 wire): 2-phase (3 wire): 3-phase	ac: N/A N/A	1-phase(3 wire)3-phase	N/A	dc: 2 pole: 3 pole:	N/A N/A	Nominal voltage(s): Nomina Prospec current, Externa	U: 400 I frequenc tive fault lpf: I earth fau) V Uo: cy, f: ult	230 V 50 Hz 4.2 kA	BS(EN): Type: Rated cur Short-circ	BS E	N 6094 	17-3
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2	ISPECTION SCHEDULE		
Item	Description	Comment	Outcome
1.0	EXTERNAL CONDITION OF INTAKE EQUIPMENT (VISUAL INSPECTI	ON ONLY)	
1.1	Service cable		LIM
1.2	Service head		~
1.3	Earthing arrangements		~
1.4	Meter tails		~
1.5	Metering equipment		~
1.6	Isolator (where present)		~
2.0	PRESENCE OF ADEQUATE ARRANGEMENTS FOR PARALLEL OR SWIT	TCHED ALTERNATIVE SOURCES	
2.1	Adequate arrangements where a generating set operates as a switched alternative to the public supply (551.6)		N/A
2.2	Adequate arrangements where a generating set operates in parallel with the public supply (551.7)		N/A
3.0	AUTOMATIC DISCONNECTION OF SUPPLY		
3.1	Main earthing/bonding arrangements (411.3; Chap 54):		
3.1.1	Presence of distributor's earthing arrangement (542.1.2.1; 542.1.2.2), or presence of installation earth electrode arrangement (542.1.2.3)		~
3.1.2	Adequacy of earthing conductor size (542.3; 543.1.1)		~
3.1.3	Adequacy of earthing conductor connections (542.3.2)		~
3.1.4	Accessibility of earthing conductor connections (543.3.2)		~
3.1.5	Adequacy of main protective bonding conductor sizes (544.1)		~
3.1.6	Adequacy and location of main protective bonding conductor connections (543.3.2; 544.1.2)		~
3.1.7	Accessibility of all protective bonding connections (543.3.2)		~
3.1.8	Provision of earthing/bonding labels at all appropriate locations (514.13)		~
3.2	FELV - requirements satisfied (411.7; 411.7.1)		N/A
4.0	OTHER METHODS OF PROTECTION (where any of the methods lister provided on separate sheets)	ed below are employed details sho	ould be
4.1	Non-conducting location (418.1)		N/A
4.2	Earth-free local equipotential bonding (418.2)		N/A
4.3	Electrical separation (Section 413; 418.3)		N/A
4.4	Double insulation (Section 412)		N/A
4.5	Reinforced insulation (Section 412)		N/A
5.0	DI STRI BUTI ON EQUI PMENT		
5.1	Adequacy of working space/accessibility to equipment (132.12; 513.1)		~
5.2	Security of fixing (134.1.1)		~
5.3	Condition of insulation of live parts (416.1)		~
5.4	Adequacy/security of barriers (416.2)		~
5.5	Condition of enclosure(s) in terms of IP rating etc (416.2)		~
5.6	Condition of enclosure(s) in terms of fire rating etc (421.1.6; 421.1.201; 526.5)		~
5.7	Enclosure not damaged/deteriorated so as to impair safety (651.2)		~
5.8	Presence and effectiveness of obstacles (417.2)		N/A
5.9	Presence of main switch(es), linked where required (462.1; 462.1.201;		~
	462.2)		
OUTCON Accepta conditio	ble Unacceptable Improvement Further		lot licable

Item	Description	Comment	Outcom
5.10	Operation of main switch(es) (functional check) (643.10)		~
5.11	Manual operation of circuit-breakers and RCDs to prove disconnection (643.10)		~
5.12	Confirmation that integral test button/switch causes RCD(s) to trip when operated (functional check) (643.10)		~
5.13	RCD(s) provided for fault protection – includes RCBOs (411.4.204; 411.5.2; 531.2)		N/A
5.14	RCD(s) provided for additional protection/requirements, where required – includes RCBOs (411.3.3; 415.1)	Item 3	C2
5.15	Presence of RCD six-monthly test notice at or near equipment, where required (514.12.2)		~
5.16	Presence of diagrams, charts or schedules at or near equipment, where required (514.9.1)		~
5.17	Presence of non-standard (mixed) cable colour warning notice at or near equipment, where required (514.14)		~
5.18	Presence of alternative supply warning notice at or near equipment, where required (514.15)		N/A
5.19	Presence of next inspection recommendation label (514.12.1)		~
5.20	Presence of other required labelling (please specify) (Section 514)		~
5.21	Compatibility of protective devices, bases and other components; correct type and rating (no signs of unacceptable thermal damage, arcing or overheating) (411.3.2; 411.4; 411.5; 411.6; Sections 432, 433)		~
5.22	Single-pole switching or protective devices in line conductors only (132.14.1; 530.3.3)		~
5.23	Protection against mechanical damage where cables enter equipment (522.8.1; 522.8.5; 522.8.11)		~
5.24	Protection against electromagnetic effects where cables enter ferromagnetic enclosures (521.5.1)		~
6.0	DI STRI BUTI ON CI RCUI TS		
6.1	Identification of conductors (514.3.1)		~
6.2	Cables correctly supported throughout their run (521.10.202; 522.8.5)		~
6.3	Condition of insulation of live parts (416.1)		~
6.4	Non-sheathed cables protected by enclosure in conduit, ducting or trunking (521.10.1)		~
6.5	Suitability of containment systems for continued use (including flexible conduit) (Section 522)		~
6.6	Cables correctly terminated in enclosures (Section 526)		 ✓
6.7	Confirmation that ALL conductor connections, including connections to busbars, are correctly located in terminals and are tight and secure (526.1)		~
6.8	Examination of cables for signs of unacceptable thermal or mechanical damage/deterioration (421.1; 522.6)		~
6.9	Adequacy of cables for current-carrying capacity with regard for the type and nature of installation (Section 523)		~
6.10	Adequacy of protective devices: type and rated current for fault protection (411.3)		~
6.11	Presence and adequacy of circuit protective conductors (411.3.1.1; 543.1)		~
6.12	Coordination between conductors and overload protective devices (433.1; 533.2.1)		~
IODTU	MES		
ccepta		Not N/V Limitation LIM ar	Not N

14/11	ISPECTION SCHEDULE (CONTINUED)		
Item	Description	Comment	Outcome
6.13	Cable installation methods/practices with regard to the type and nature of installation and external influences (Section 522)		~
6.14	Where exposed to direct sunlight, cable of a suitable type (522.11.1)		~
6.15	Cables concealed under floors, above ceilings, in walls/partitions l partitions containing metal parts:	less than 50mm from a surface, an	id in
6.15.1	Installed in prescribed zones (see Section 4. Extent and limitations) (522.6.202) or		~
6.15.2	Incorporating earthed armour or sheath, or run within earthed wiring system, or otherwise protected against mechanical damage by nails, screws and the like (see Section 4. Extent and limitations) (522.6.204)		~
6.16	Provision of fire barriers, sealing arrangements and protection against thermal effects (Section 527)		~
6.17	Band II cables segregated/separated from Band I cables (528.1)		~
6.18	Cables segregated/separated from non-electrical services (528.3)		~
6.19	Condition of circuit accessories (651.2)		~
6.20	Suitability of circuit accessories for external influences (512.2)		~
6.21	Single-pole switching or protective devices in line conductors only (132.14.1; 530.3.3)		~
6.22	Adequacy of connections, including cpcs, within accessories and to fixed and stationary equipment – identify/record numbers and locations of items inspected (Section 526)		~
6.23	Presence, operation and correct location of appropriate devices for isolation and switching (Chapter 46; Section 537)		~
6.24	General condition of wiring systems (651.2)		~
6.25	Temperature rating of cable insulation (522.1.1; Table 52.1)		~
7.0	FINAL CIRCUITS		
7.1	Identification of conductors (514.3.1)		~
7.2	Cables correctly supported throughout their run (521.10.202; 522.8.5)		~
7.3	Condition of insulation of live parts (416.1)		~
7.4	Non-sheathed cables protected by enclosure in conduit, ducting or trunking (521.10.1)		~
7.5	Suitability of containment systems for continued use (including flexible conduit) (Section 522)		~
7.6	Adequacy of cables for current-carrying capacity with regard for the type and nature of installation (Section 523)		~
7.7	Adequacy of protective devices: type and rated current for fault protection (411.3)	Item 1	FI
7.8	Presence and adequacy of circuit protective conductors (411.3.1.1; 543.1)		~
7.9	Co-ordination between conductors and overload protective devices (433.1; 533.2.1)		~
7.10	Wiring system(s) appropriate for the type and nature of the installation and external influences (Section 522)		~
7.11	Cables concealed under floors, above ceilings, in walls/partitions, (522.6.201; 522.6.202; 522.6.203; 522.6.204):	adequately protected against dam	nage
7.11.1	Installed in prescribed zones (see Section 4. Extent and limitations) (522.6.202)		~
7.11.2 OUTCOM	system, or otherwise protected against mechanical damage by nails, screws and the like (see Section 4. Extent and limitations) (522.6.201; 522.6.204)		~
Accepta conditio	ble Unacceptable Improvement C2 Further		ot cable

15/11	ISPECTION SCHEDULE (CONTINUED)	1	,
Item	Description	Comment	Outcome
7.12	Provision of additional protection by 30mA RCD:	1	
7.12.1	For all socket-outlets of rating 32A or less unless exempt (411.3.3) *		~
7.12.2	For the supply of mobile equipment not exceeding 32A rating for use outdoors (411.3.3) *	Item 3	C2
7.12.3	For cables concealed in walls at a depth of less than 50mm (522.6.202, 522.6.203) *		~
7.12.4	For cables concealed in walls/partitions containing metal parts regardless of depth (522.6.203) *		~
7.12.5	For final circuits supplying luminaires within domestic (household) premises (411.3.4) *		N/A
	* Note: Older installations designed prior to BS 7671:2018 may not have protection.	been provided with RCDs for addition	al
7.13	Provision of fire barriers, sealing arrangements and protection against thermal effects (Section 527)		~
7.14	Band II cables segregated/separated from Band I cables (528.1)		v
7.15	Cables segregated/separated from non-electrical services (528.3)		~
7.16	Termination of cables at enclosures – identify/record numbers and 526):	d locations of items inspected (Sec	ction
7.16.1	Connections under no undue strain (526.6)		~
7.16.2	No basic insulation of a conductor visible outside enclosure (526.8)		~
7.16.3	Connections of live conductors adequately enclosed (526.5)		~
7.16.4	Adequately connected at point of entry to enclosure (glands, bushes etc.) (522.8.5)		~
7.17	Condition of accessories including socket-outlets, switches and joint boxes (651.2)	Item 2	C2
7.18	Suitability of accessories for external influences (512.2)		~
7.19	Single-pole switching or protective devices in line conductors only (132.14.1, 530.3.3)		~
8.0	I SOLATION AND SWITCHING		
8.1	Isolators (Sections 460; 537):		
8.1.1	Presence and condition of appropriate devices (Section 462; 537.2.7)		v
8.1.2	Acceptable location – state if local or remote from equipment in question (Section 462; 537.2.7)		~
8.1.3	Capable of being secured in the OFF position (462.3)		~
8.1.4	Correct operation verified (643.10)		~
8.1.5	Clearly identified by position and/or durable marking (537.2.6)		~
8.1.6	Warning label posted in situations where live parts cannot be isolated by the operation of a single device (514.11.1; 537.1.2)		N/A
8.2	Switching off for mechanical maintenance (Section 464; 537.3.2):		
8.2.1	Presence and condition of appropriate devices (464.1; 537.3.2)		~
8.2.2	Acceptable location – state if local or remote from equipment in question (537.3.2.4)		~
8.2.3	Capable of being secured in the OFF position (462.3)		~
8.2.4	Correct operation verified (643.10)		~
8.2.5	Clearly identified by position and/or durable marking (537.3.2.4)		~
OUTCOM Acceptal conditio	Die Unacceptable Improvement C2 Further		lot icable
	n is based on the model shown in Appendix 6 of BS 7671:2018.		age: 7 of 33

16/11	ISPECTION SCHEDULE (CONTINUED)		
Item	Description	Comment	Outcome
8.3	Emergency switching/stopping (Section 465; 537.3.3):		
8.3.1	Presence and condition of appropriate devices (Section 465; 537.3.3; 537.4)		N/A
8.3.2	Readily accessible for operation where danger might occur (537.3.3.6)		N/A
8.3.3	Correct operation verified (643.10)		N/A
8.3.4	Clearly identified by position and/or durable marking (537.3.3.6)		N/A
8.4	Functional switching (Section 463; 537.3.1):		
8.4.1	Presence and condition of appropriate devices (537.3.1.1; 537.3.1.2)		~
8.4.2	Correct operation verified (537.3.1.1; 537.3.1.2)		~
9.0	CURRENT-USING EQUIPMENT (PERMANENTLY CONNECTED)		
9.1	Condition of equipment in terms of IP rating etc (416.2)		~
9.2	Equipment does not constitute a fire hazard (Section 421)		~
9.3	Enclosure not damaged/deteriorated so as to impair safety (134.1.1; 416.2; 512.2)		~
9.4	Suitability for the environment and external influences (512.2)		~
9.5	Security of fixing (134.1.1)		~
9.6	Cable entry holes in ceiling above luminaires, sized or sealed so as to restrict the spread of fire: List number and location of luminaires inspected (separate page) (527.2)		~
9.7	Recessed luminaires (downlighters):		
9.7.1	Correct type of lamps fitted (559.3.1)		N/A
9.7.2	Installed to minimise build-up of heat by use of 'fire rated' fittings, insulation displacement box or similar (421.1.2)		N/A
9.7.3	No signs of overheating to surrounding building fabric (559.4.1)		N/A
9.7.4	No signs of overheating to conductors/terminations (526.1)		N/A
10.0	LOCATION(S) CONTAINING A BATH OR SHOWER		
10.1	Additional protection for all low voltage (LV) circuits by RCD not exceeding 30mA (701.411.3.3)		~
10.2	Where used as a protective measure, requirements for SELV or PELV met (701.414.4.5)		~
10.3	Shaver sockets comply with BS EN 61558-2-5 formerly BS 3535 (701.512.3)		~
10.4	Presence of supplementary bonding conductors, unless not required by BS 7671:2018 (701.415.2)		~
10.5	Low voltage (e.g. 230 volt) socket-outlets sited at least 3m from zone 1 (701.512.3)		~
10.6	Suitability of equipment for external influences for installed location in terms of IP rating (701.512.2)		~
10.7	Suitability of accessories and controlgear etc. for a particular zone (701.512.3)		~
10.8	Suitability of current-using equipment for particular position within the location (701.55)		~
11.0	OTHER PART 7 SPECIAL INSTALLATIONS OR LOCATIONS List all other special installation or locations present, if any. (Record separa	ately the results of particular inspection	ons)
11.1	N/A		N/A
11.2	N/A		N/A
11.3	N/A		N/A
OUTCON Accepta conditio	ble Unacceptable Improvement Further	Not verified N/V Limitation LIM applie	' NI / A

03-023-00-002-MP1 (MP1) (Dorman Smith) Distribution board designation: Location:

Circuit ct time BS7671 BS7671 Insulation Overcurrent protective RCD 20 AFDD Circuit impedances (Ohms) RCD conductors: resistance devices csa measu t loop e Zs **Reference Method** All circuits Disconnection time number Ring final circuits only by by Z_S Operating current, I∆n (one column to voltage Test button operation Earth Type of wiring Number of points served button Maximum n earth fault I impedance (measured end to end) Circuit num and phase Circuit designation Maximum g ive be completed) Capacity No Max dis permitte Polarity Rating BS(EN) Live срс Type Test k opera Test Live Live r₁ rn $R_1 + R_2$ R_2 r2 mm² mm² kΑ Ω MΩ MΩ V ~ Ω ms r ~ S Α mΑ (Line) (Neutral) (cpc) G Sub Mains(DB MCP) Ε 60947-2 N/A 63 V 1 TP 25 70 5 19 0.15 0.09 >999 500 0.15 1 ---------------------_ _ _ _ ---2 TP Sub Mains(DB C/S) (Supply to G Ε 35 80 5 60947-2 N/A 80 19 --- 0.19 0.07 >999 500 V 0.11 1 ------------------------03-023-02-030-DB1 (DB C/S) (Dorman Smith)) 3 TP Sub Mains(DB C/F) (Supply to G F 1 25 70 5 60947-2 N/A 80 19 --- 0.19 0.06 >999 500 🖌 0.12 ---------------------03-023-01-031-DB1 (DB C/F) (Dorman Smith)) 4 TP Sub Mains(DB C/G) (Supply to >999 |500 🖌 G Ε 1 25 70 5 60947-2 N/A 80 19 --- 0.19 0.11 ---0.19 -------------------03-023-00-017-DB1 (DB C/G) (dorman Smith)) 5 TP | Spare ---_ _ _ --0 - Other А В С D Е G Н CODES FOR Thermoplastic Thermoplastic Thermoplastic Thermoplastic Thermoplastic Thermoplastic Thermosetting Mineral FP200 TYPE OF insulated/sheathed cables in cables in cables in cables in /SWA cables /SWA cables insulated cables WIRING cables metallic conduit nonmetallic conduit metallic trunking nonmetallic trunking BOARD CHARACTERISTICS APPLIES WHEN THE BOARD IS NOT CONNECTED TO THE ORIGIN OF THE INSTALLATION Feeder Pillar E Rear of Building 3 ~ Supply to this distribution board is from: No of phases: Confirmation of supply polarity: Nominal Overcurrent protective device 400 v 0.11 Ω 4.2 kA BS(EN): ---Rating: ---Α 7s: lpf: Voltage: for the distribution circuit: Disconnection Disconnection --- ms --- ms BS(EN): RCD ---No of poles: ---Rating: --- mA time at In: time at 5ln: DETAILS OF TEST INSTRUMENTS Details of Test Instruments used (state serial and/or asset numbers): 101145 Multi-functional: Insulation resistance: Continuity: ------Earth electrode resistance: Earth fault loop impedance: RCD: ---------TESTED BY Joe Wright Electrician 20/08/2020 Name: Position: Signature: Date: This form is based on the model shown in Appendix 6 of BS 7671:2018. Ref: 69716

Distribution board designation: 03-023-00-002-MP1 (MP1) (Dorman Smith) Location:

Circuit ct time BS7671 BS7671 Insulation Overcurrent protective RCD 20 RCD AFDD Circuit impedances (Ohms) conductors: resistance devices csa **Reference Method** measi t loop e Zs All circuits number Disconnection Ring final circuits only by by Z_S Operating current, I∆n (one column to Test button operation Number of points served Earth Test voltage Type of wiring button Maximum n earth fault I impedance (measured end to end) Circuit num and phase Maximum Circuit designation <u>s</u> g ive be completed) Capacity Type No Max dis permitte Polarity Rating BS(EN) Live срс Test k opera Live Live r₁ rn $R_1 + R_2$ R_2 r2 mm² mm² А kΑ Ω MΩ MΩ V r Ω r V S mΑ (Line) (Neutral) (cpc) ms 6 TP Spare ---Sub Mains(DB/C/Comms) 7 L1 G Ε 16 41 5 60947-2 N/A 63 19 --- 0.22 LIM 1 ------------------------_ _ _ _ ---------7 L2 Sub Mains(DB/CT1) (Supply to G F 5 60947-2 N/A 100 19 --- 0.16 25 70 0.11 >999 500 ~ 0.16 ---1 ---------------------03-023-00-037-DB1 (DB DB/CT1) (Eaton 3)) 7 L3 Sub Mains(DB/CT2) (Supply to >999 500 • 0.12 ---G F 25 70 5 60947-2 N/A 100 19 --- 0.16 ---1 0.08 ------------03-023-00-049-DB1 (DB CT2) (Eaton 3)) 8 L1 Sub Mains(DB/CT3) (Supply to Ε 5 60947-2 N/A 100 19 --- 0.16 >999 500 • 0.16 ---G 25 70 --- 0.10 1 ------------------03-023-00-050-DB1 (DB CT3) (Eaton 3)) 8 L2 Spur - Fire Alarm supply 0 Ε 2.5 2.5 5 60947-2 N/A 16 19 --- 0.97 >999 500 V 0.39 ---1 ------------------------8 L3 Spur - Emergency lighting panel G Ε 19 5 60947-2 N/A 16 19 >999 500 ~ 0.22 4 --- 0.97 0.12 1 ------------------------9 T P Spare --10 TP Spare ---_ _ _ ------------------- - --11 TP Spare ---_ _ _ ---------_ _ _ ------_ _ _ _ _ _ _ --12 TP Main Isolator _ _ . ------------------------_ _ _ ---_ _ _ ------------В С D G н 0 - Other А E CODES FOR Thermoplastic Thermoplastic Thermoplastic Thermoplastic Thermoplastic Thermoplastic Thermosetting Mineral FP200 TYPE OF insulated/sheathed cables in cables in cables in cables in /SWA cables /SWA cables insulated cables WIRING cables metallic conduit nonmetallic conduit metallic trunking nonmetallic trunking

number

Distribution board designation: 03-023-00-017-DB1 (DB C/G) (dorman Smith) Location:

03-023-00-017 Circuit ct time BS7671 BS7671 Insulation Overcurrent protective RCD Circuit impedances (Ohms) 20 AFDD RCD conductors: resistance devices csa **Reference Method** measi t loop e Zs All circuits Disconnection time Ring final circuits only by by Z_S Operating current, I∆n (one column to voltage Earth t button ration Type of wiring Number of points served button Maximum n earth fault l impedance (measured end to end) Circuit num and phase Maximum Circuit designation <u>s</u> g Live be completed) Capacity Type No Max dis permitte Polarity Rating BS(EN) Live срс Test k opera Test k opera Test Live Live r₁ rn $R_1 + R_2$ R_2 r2 mm² mm² s Α kΑ mΑ Ω (Line) (Neutral) MΩ MΩ V ~ Ω ms r ~ (cpc) Lights - Rooms 001,002,003,010 & Ε 60898 В V 1 L1 А 10 1.5 0.4 10 10 3.50 0.28 >999 500 0.42 1 ---------------------------011 - 018, 019, 020, 021, 022 1 L2 Lights - Main Entrance & Lobby -Ε 1.5 1 0.4 60898 В 10 10 --- 3.50 >999 500 ~ 0.87 ----А 4 0.61 ---------------------003 Ε 1.5 1 0.4 60898 В 10 10 --- 3.50 1 L3 Lights - Plant Room & Cycle Store -А 4 0.18 >999 500 • 0.39 ------------------------001,002 2 L1 Lights - Rooms 004 - 009 - 024, А Ε 12 1.5 1 0.4 60898 В 10 10 --- 3.50 3.78 >999 500 🖌 3.92 ---------------------026, 028, 030, 029, 027, 025 Ε 0.4 60898 В 10 10 V 2 L2 Lights - Corridor - 008 А 13 1.5 1 ---3.50 0.53 --->999 500 0.67 ---------------------А В С D F G н 0 - Other CODES FOR Thermoplastic Thermoplastic Thermoplastic Thermoplastic Thermoplastic Thermoplastic Thermosetting Mineral FP200 TYPE OF insulated/sheathed cables in cables in cables in cables in /SWA cables /SWA cables insulated cables WIRING cables metallic conduit nonmetallic conduit metallic trunking nonmetallic trunking BOARD CHARACTERISTICS APPLIES WHEN THE BOARD IS NOT CONNECTED TO THE ORIGIN OF THE INSTALLATION

3 1 Supply to this distribution board is from: 03-023-00-002-MP1 (MP1) (Dorman Smith) - 4 TP No of phases: Confirmation of supply polarity: Nominal Overcurrent protective device 60947-2 - Type N/A 80 400 v 0.19 Ω 2.44 kA BS(EN): Rating: Α 7s: lpf: Voltage: for the distribution circuit: Disconnection Disconnection --- ms --- ms BS(EN): RCD ---No of poles: ---Rating: --- mA time at In: time at 5In DETAILS OF TEST INSTRUMENTS Details of Test Instruments used (state serial and/or asset numbers): 101145 Multi-functional: Insulation resistance: Continuity: ------Earth electrode resistance: Earth fault loop impedance: RCD: ---------**TESTED BY** Joe Wright Electrician 20/08/2020 Name: Position: Signature: Date: This form is based on the model shown in Appendix 6 of BS 7671:2018. Ref: 69716

03-023-00-017-DB1 (DB C/G) (dorman Smith) Distribution board designation: Location:

						cuit uctors:	time 17671	Overcurr	ent p		/e	RCD	BS7671		Circuit im	pedance	es (Ohms	;)		nsulation esistance			ured	RC	D:	AFDD
Circuit number and phase	Circuit designation	Type of wiring	Reference Method	Number of points served	Live	cpc	Max disconnect time permitted by BS7671	BS(EN)	Type No	⊳ Rating	🗧 Capacity	g Operating ≽ current, I∆n	b Maximum Z _S permitted by BS	(meas	inal circui ured end ^r n (Neutral)	to end)		rcuits lumn to ppleted) R ₂	- Γίνe Γίνe	ΔM Live - Earth	< Test voltage	 Polarity 	Maximum measured b earth fault loop impedance Zs	Bisconnection time	 Test button operation 	 Test button operation
2 L3	Lights - Common Room & Comms Room - 007,	A	E	13			0.4	60898	В	10			3.50				0.36			>999		-	0.58			
3 L1	Spare																									
3 L2	Lights - Laundry, Utility & Bathroom - 011, 012, 013A	A	E	11	1.5	1	0.4	61009	С	10	10	30	1.75				0.13			>999	500	~	0.34	15.5	~	
3 L3	Lights - Kitchen & Emergency Bedroom - 009A, 010	A	E	6	1.5	1	0.4	60898	В	10	10		3.50				1.12			>999	500	~	1.65			
4 L1	Lights - Staircase - 023B, 1St Floor(019), 2Nd Floor (019)	A	E	12	1.5	1	0.4	60898	В	10	10		3.50				0.73			>999	500	~	1.00			
4 L2	Lights - Main Staircase - Ground (031A), 1St Floor (027), 2Nd Floor (027)	A	E	7	1.5	1	0.4	60898	В	10	10		3.50				0.47			>999	500	~	0.66			
4 L3	Fcu - Salto Access Control - 017	Α	E	1	2.5	1.5	0.4	60898	В	16	10		2.18				0.09			>999	500	~	0.23			
5 L1	Spare																									
5 L2	Spare																									
5 L3	Fcu - Bms Panel In Plant room - 001	A	E	1	2.5	1.5	0.4	61009	В	16	10	30	2.18				0.22			>999	500	~	0.37	18.2	~	
6 L1	Fcu - Comms Room Extract Fan	Α	E	1	2.5	1.5	0.4	60898	В	10	10		3.50													
6 L2	Sockets - Tv Amp This Riser - 017	Α	E	1	2.5	1.5	0.4	60898	В	20	10		1.75				0.04			>999	500	~	0.20			
	A B S FOR Thermoplastic Thermoplastic E OF insulated/sheathed cables in	Thermoplastic Thermoplastic Thermoplastic Thermoplastic									E rmopl ables			F	plastic	Ther	G	g	H	al			o - o [.] FP2			
WI F	RING cables metallic conduiters and cables in metallic conduiters and cables metallic conduiters and cables in metallic conduiters and cables and cables in metallic conduiters and cables and cabl		nonm	etallic	condui		meta	llic trunking		nonme			ng	/SWA c	ables		/A cables Ref: 69		insulated	cables			гР2		e: 12	of 3

Distribution board designation: 03-023-00-017-DB1 (DB C/G) (dorman Smith) Location:

Circuit ect time BS7671 BS7671 Insulation Overcurrent protective RCD 20 AFDD Circuit impedances (Ohms) RCD conductors: resistance devices csa **Reference Method** measi t loop e Zs All circuits Disconnection time numbei Ring final circuits only by by Z_S Operating current, I∆n (one column to voltage Earth button Type of wiring Number of points served button Maximum n earth fault l impedance (measured end to end) Circuit num and phase Maximum Circuit designation <u>s</u> g ive be completed) Capacity No Max dis permitte Polarity Rating BS(EN) Live срс Type Test k opera Test Test Live Live r₁ rn $R_1 + R_2$ R_2 r2 mm² mm² А kΑ Ω MΩ MΩ V r Ω r V S mΑ (Line) (Neutral) (cpc) ms 6 L3 Spare ---711 Rfc - Sockets - Rooms 001 - 003 -А Ε 26 2.5 1.5 0.4 61009 В 32 10 30 1.10 0.79 0.82 1.37 0.53 >999 500 ~ 0.37 18.4 V ---------019, 020, 022 7 L2 Sockets - Washing Machine, А Ε 1.5 0.4 60898 В 20 10 -- 1.75 1 4 ------------------------------------Laundry - Tested On Separate Job 7 L3 Spare --811 Rfc - Sockets - Rooms 004 - 006 -А F 22 2.5 1.5 0.4 61009 В 32 10 30 1.10 0.94 0.94 1.54 0.63 >999 500 r 0.49 18.3 🗸 ------_ _ _ 024, 026, 028 8 L2 Sockets - Dryer, Laundry - Tested Ε 2.5 0.4 60898 В 32 10 --А 1 6 1.10 ------------------------------------On Separate Job >999 500 • 8 L3 Sockets - Plant room - 001 Ε 2 2.5 1.5 0.4 61009 С 16 10 30 1.10 0.43 18.2 ---А 0.29 ---------------911 Rfc - Sockets - Rooms 007 - 009 -А Ε 18 2.5 1.5 0.4 61009 В 32 10 30 1.10 0.44 0.42 0.72 0.28 >999 500 V 0.62 18.1 ---_ _ _ _ ---025, 027, 029 9 L2 Rfc - Sockets - Laundry & Cleaners Ε 8 2.5 1.5 0.4 61009 В 32 10 30 1.10 А ------------------------Cupboard - Tested On Separate Job 9 L3 Rfc - Sockets - Common Room & А Ε 20 2.5 1.5 0.4 61009 B 32 10 30 1.10 0.44 0.45 0.69 0.27 >999 500 • 0.56 18.1 • ---------Emergency Bedroom - 007, 010 >999 |500 🖌 10 L1 Rfc - Sockets - Rooms 010 & 011 -Ε 16 2.5 1.5 0.4 61009 В 32 10 30 1.10 0.48 0.48 0.81 0.31 0.36 18.2 🖌 А ---------018, 021 В С D G н 0 - Other Α CODES FOR Thermoplastic Thermoplastic Thermoplastic Thermoplastic Thermoplastic Thermoplastic Thermosetting Mineral FP200 TYPE OF insulated/sheathed cables in cables in cables in cables in /SWA cables /SWA cables insulated cables

nonmetallic trunking

metallic conduit

nonmetallic conduit

metallic trunking

cables

WIRING

Distribution board designation: 03-023-00-017-DB1 (DB C/G) (dorman Smith) Location:

					\		(-				1			
					Cir condu	cuit uctors: sa	time S7671	Overcuri	ent p levice		/e	RCD	BS7671		Circuit im	pedance				nsulation esistance			sured	RC	D:	AFD
Circuit number and phase	Circuit designation	Type of wiring	Reference Method	Number of points served	Live	срс	Max disconne permitted by	BS(EN)	Type No	Rating	Capacity	Operating current, I∆n	10 ~		inal circui ured end ^r n			rcuits lumn to pleted) R ₂	Live - Live	Live - Earth	Test voltage	Polarity	Maximum measure earth fault loop impedance Zs	Disconnection time	Test button operation	Test button
	Rfc - Sockets - Corridor & Trunk Room - 008, 030	A	E	-	2.5	^{mm²}		61009	В	А 32	ка 10	mA 30	Ω 1.10		(Neutral) 0.89		0.63		MΩ 	MΩ >999	v 500	2 2	<u>Ω</u> 0.53	^{ms} 14.3	~	
10 L3	Rfc - Sockets - Kitchen - 009A	Α	E	12	4	1.5	0.4	61009	В	32	10	30	1.10	0.39	0.39	1.03	0.37			>999	500	~	0.27	18.2	~	
11 L1	Spare																									
11 L2	Spare																									
11 L3	Sockets - Kitchen Fridge/Freezer - 009A	A	E	4	2.5	1.5	0.4	60898	В	20	10		1.75				0.53			>999	500	•	0.71			
12 L1	Spare																									
12 L2	Spare																									
12 L3	Sockets - Kitchen Fridge/Freezer - 009A	A	E	2	2.5	1.5	0.4	60898	В	10	10		3.50				0.52			>999	500	~	0.63			
13 L1	Spare																									
13 L2	Contactor Control Circuit - 017	Α	E	1	2.5	1.5	0.4	60898	В	10	10		3.50				0.04			>999	500	~	0.27			
13 L3	Oven, Kitchen - 009A	Α	E	1	4	1.5	0.4	60898	В	20	10		1.75				0.47			>999	500	~	0.76			
14 L1	Spare																									
14 L2	Fcu - Handryer, Bathroom - 013A	Α	E	1	2.5	1.5	0.4	60898	В	16	10		2.18				0.19			>999	500	•	0.29			
14 L3	Oven, Kitchen - 009A	Α	E	1	4	1.5	0.4	60898	В	20	10		1.75				0.31			>999	500	~	0.48			
15 TP	Spare																									
16 L1	Spare																									
CODE TYP WIF	it	С	D rmoplastic ables in Ilic trunking			E rmopl ables tallic 1	in		F Thermor /SWA c			G nosettin A cables		H Minera insulated o				o - ot FP2								

Distribution board designation: 03-023-00-017-DB1 (DB C/G) (dorman Smith) Location:

Disti	ibution board designation.	03 023 0									<u> </u>	LOC	atio					5 025	000				_				
				g		Cir condu c:	cuit ictors: sa	t time S7671	Overcurr	ent p levice		/e	RCD	S7671		Circuit imp	pedance				nsulation esistance			sured	R	CD	AFDE
Circuit number and phase	Circuit designation		Type of wiring	Reference Method	Number of points served	Live	cuit actors: sa cpc	Max disconnect permitted by B	BS(EN)	Type No	Rating	Capacity	Operating current, l∆n	Maximum Z _S permitted by BS7671	(measu	inal circui ured end ^r n	r ₂	(one co	rcuits plumn to pleted) R ₂	Live - Live	Live - Earth	Test voltage	Polarity	Maximum measured earth fault loop impedance Zs	Disconnection	Test button operation	Test button operation
	Rfc - Handryer Shower F 004A		A	E	1	4 mm ²	^{mm²} 1.5	S	60898	В	_А 16	kA	mA	<u>Ω</u> 2.18	(Line)	(Neutral)		0.42		MΩ 	MΩ >999	v 500	~	Ω 0.56	ms		
16 L3	Fire Alarm Battery Unit -	017	0	E	1	2.5	1.5	0.4	60898	В	16	10		2.18				0.11			>999	500	•	0.26			
																										<u> </u>	
																					<u> </u>				<u> </u>	<u> </u>	<u> </u>
																					<u> </u>						
TYP	A SFOR Thermoplastic E OF insulated/sheathed RING cables	B C D Thermoplastic Thermoplastic Thermoplastic cables in cables in cables in metallic conduit nonmetallic conduit metallic tru										E rmopl ables tallic t	in		F Thermor /SWA c			G mosettin A cables		H Miner insulated				o - ot FP2			
	m is based on the model sh	own in Annen	dix /	6 of F	35 7	571·2	2018										1	Ref: 69	9716				_		Page	e: 15	of

Distribution board designation: 03-023-01-031-DB1 (DB C/F) (Dorman Smith) Location:

DISti	ibation board designation.	00 020 0	1 001	001		, (0,	or main or		/	LO	cutic				0.	020	01 00	· ·							
					Circuit conductor	time	Overcur	rent p device		ve	RCD	BS7671	(Circuit imp	bedance	s (Ohms)		nsulation esistance			ured	RC	D	AFDD
Circuit number and phase	Circuit designation	:	Type of wiring Reference Method	Number of points served	Live cp	Max pern	BS(EN)	Type No	. Rating	Capacity	Operating current, I∆n	Maximum Z _S permitted by	(measu	inal circuit ured end t rn	r ₂	All cir (one co be com R ₁ +R ₂	lumn to	Live - Live	Live - Earth	Test voltage	Polarity				Test button operation
1 L1	Lights, Rooms 101,116 & 1 001, 024, 025		A E	10			60898	В	а 10	ка 10	mA	Ω 3.50	(Line)	(Neutral)	(cpc)	1.28		MΩ 	MΩ >999	v 500	~	Ω 1.86	ms		
1 L2	Lights Rooms 106 - 110 - 0 011, 012, 013, 014	010,	A E	8	1.5 1	0.4	60898	В	10	10		3.50				3.02			>999	500	~	3.33			
1 L3	Lights, Corridor - 029A		A E	5	1.5 1	0.4	60898	В	10	10		3.50				0.39			>999	500	~	0.68			
2 L1	Lights, Rooms 102 - 105 - 004, 005, 006	003,	A E	8	1.5 1	0.4	60898	В	10	10		3.50				1.98			>999	500	~	2.55			
2 L2	Lights, Rooms 111 - 115 - 017, 018, 020, 021	016,	A E	10	1.5 1	0.4	60898	В	10	10		3.50				2.97			>999	500	~	3.10			
2 L3	Lights Corridor - 030A		A E	8	1.5 1	0.4	60898	В	10	10		3.50				0.80			>999	500	~	0.93			
TYP	E OF insulated/sheathed	B hermoplastic cables in etallic conduit		C hermop cables metallic			D ermoplastic cables in allic trunking			E rmop ables tallic	in		F Thermor /SWA c			G mosetting 'A cables		H Miner insulated				0 - 0t FP-2			
APP Supply	BOARD CHARACTERIST LIES WHEN THE BOARD IS to this distribution board is fr	NOT CONN			THE ORI MP1) (Dorr				ALLA of pł			3		ominal			Conf	firmatic	on of sup	oply p	olari	ty:			~
	e distribution circuit:	S(EN):	60	947-2	2 - Type 	e N/A			ting: of pa	oles:		80	A V	oltage: ating:		0 V mA		onnecti		12 Ω - ms		isconn		n	86 k. m
	DETAILS OF TEST INST ils of Test Instruments used (s	RUMENT															time	<u>e at In:</u>			<u>tir</u>	<u>me at</u>	<u>5ln:</u>		
	functional:		145	ຜວວບເ			ation resis	tanc	e:								Сс	ontinuit	y:						
Earth	electrode resistance:				Earth	fault loop) imp	edan	ce:							RC	CD:								
Nam	ESTED BY Joe Wright		Position: Electrician									Signat	ture:							Dat	te:	21	0/08/	/202	0
his for	rm is based on the model show	Joe Wright Position: Electrician is based on the model shown in Appendix 6 of BS 7671:2018.													[Ref: 69	9716						Page	: 16	of 3

Distribution board designation: 03-023-01-031-DB1 (DB C/F) (Dorman Smith) Location:

		-			`		、 																			
			_			cuit ictors: sa	time S7671	Overcurr d	ent pr levices		/e	RCD	BS7671		Circuit imp	bedance	s (Ohms	.)		nsulation esistance			measured t loop e Zs	R	CD	AFDD
Circuit number and phase	Circuit designation	Type of wiring	Reference Method	Number of points served	Live	срс	Max disconnect time permitted by BS7671	BS(EN)	Type No	Rating	Capacity	Operating current, I∆n	10 2		inal circuit ured end t rn				Live - Live	Live - Earth	Test voltage	Polarity	Maximum meas earth fault loop impedance Zs	Disconnection	Test button operation	Test button operation
an		Ty	Rei	Nu poi	mm ²	mm ²				A	kA	mA	Ω	(Line)	(Neutral)	(cpc)			MΩ	MΩ	v	~	Ω	ms	~	~
3 L1	Lights, Domestic Assistant & Lobby - 028, 029B, 002	A	E	2	1.5	1	0.4	60898	В	10	10		3.50				0.30			>999	500	~	0.43			
3 L2	Lights, External	Α	Ε	LIM	1.5	1	0.4	60898	В	10	10		3.50													
3 L3	Lights, Bathroom Ceiling In Corridor - 022	A	E	13	1.5	1	0.4	61009	В	10	10	30	3.50				0.13			>999	500	r	0.26	18.3	~	
4 L1	Spare																									
4 L2	Spare																									
4 L3	Lights, Kitchen - 007	Α	E	6	1.5	1	0.4	60898	В	10	10		3.50				0.83			>999	500	~	0.95			
5 L1	Spare																									
5 L2	Spare																									
5 L3	Contactor Control Circuit - 031	Α	E	1	1.5	1	0.4	60898	В	10	10		3.50				0.02			>999	500	~	0.14			
6 L1	Spare																									
6 L2	Spare																									
6 L3	Handryer, Bathroom - 022	Α	E	1	2.5	1.5	0.4	60898	В	16	10		2.18				0.19			>999	500	V	0.32			
7 L1	Rfc - Sockets, Rooms 101,116 & 117 - 001, 024, 025	A	E	26	2.5	1.5	0.4	61009	В	32	10	30	1.10	0.76	0.73	1.24	0.47			>999	500	~	0.48	18.3	~	
7 L2	Rfc - Sockets, Rooms 106 - 108 - 010, 011, 012	A	E	28	2.5	1.5	0.4	61009	В	32	10	30	1.10	0.82	0.82	1.33	0.55			>999	500	~	0.64	18	~	
	·			,																						
CODE	A B S FOR Thermoplastic Thermoplastic		Th	C ermopl	astic		The	D rmoplastic		The	E rmopl	lastic		F	alactia	Thor	G	~	H				0 - 0			
	E OF insulated/sheathed cables in RING cables metallic conduit			cables netallic	in	t	C	ables in Ilic trunking	r		ables	in		Thermo /SWA c			nosetting A cables		Minera nsulated o				FP-2	200		
	m is based on the model shown in Appe							5	_							1	Ref: 69	1716						Dee	17	of 33

Distribution board designation: 03-023-01-031-DB1 (DB C/F) (Dorman Smith) Location:

	Ū																									
					condu	cuit ictors: sa	time S7671	Overcurr d	ent p levice		/e	RCD	BS7671		Circuit im	pedance	es (Ohms	5)		nsulation esistance			measured t loop e Zs	R	CD	AFDD
Circuit number and phase	Circuit designation	Type of wiring	Reference Method	Number of points served	Live	cpc	Max disconnect time permitted by BS7671	BS(EN)	Type No	P Rating	S Capacity	g Operating E current, IAn		(meas	inal circui ured end ^r n (Neutral)	to end)	(one co	rcuits plumn to ppleted) R ₂	MM MM	SΣ Live - Earth	< Test voltage	 Polarity 	Maximum meas Β earth fault loop impedance Zs	Bisconnection time	 Test button operation 	 Test button operation
	Rfc - Sockets, Corridor & Trunk Room - 030A, 015	A	E		2.5		1	61009	В			-			0.67		0.23			>999			0.45			
8 L1	Rfc - Sockets, Rooms 102,103 & Domestic Assistant - 003, 004	A	E	16	2.5	1.5	0.4	61009	В	32	10	30	1.10	0.68	0.67	1.12	0.43			>999	500	~	0.54	18.3	~	
8 L2	Rfc - Sockets, Rooms 109 & 110 - 013, 014	A	E	16	2.5	1.5	0.4	61009	В	32	10	30	1.10	0.70	0.70	1.14	0.44			>999	500	~	0.51	18.2	~	
8 L3	Rfc - Sockets, Corridor & Lobby - 029B, 029A	A	E	6	2.5	1.5	0.4	61009	В	32	10	30	1.10	0.38	0.38	0.64	0.24			>999	500	~	0.32	17.8	~	
9 L1	Rfc - Sockets, Rooms 104 & 105 - 005, 006	A	E	22	2.5	1.5	0.4	61009	В	32	10	30	1.10	0.53	0.51	0.87	0.36			>999	500	~	0.34	17.9	~	
9 L2	Rfc - Sockets, Rooms 111 & 112 - 017, 018	A	E	16	2.5	1.5	0.4	61009	В	32	10	30	1.10	0.67	0.66	1.10	0.42			>999	500	~	0.47	18.3	~	
9 L3	Rfc - Sockets, Kitchen - 007	Α	E	12	4	1.5	0.4	61009	В	32	10	30	1.10	0.40	0.39	1.05	0.34			>999	500	•	0.37	14	~	
10 L1	Spare Mcb							60898	В	32	10															
10 L2	Rfc - Sockets, Rooms 113 - 115 - 018, 020, 021	A	E	22	2.5	1.5	0.4	61009	В	32	10	30	1.10	0.79	0.79	1.29	0.49			>999	500	~	0.44	17.9	~	
10 L3	Sockets, Kitchen Fridge/Freezer - 007	A	E	4	2.5	1.5	0.4	60898	В	20	10		1.75				0.21			>999	500	~	0.35			
11 L1	Spare																									
11 L2	Spare																									
TYP WIR	A B S FOR Thermoplastic Thermoplastic E OF insulated/sheathed cables in NG cables metallic condu	t	nonm		in condui		С	D rmoplastic ables in Ilic trunking			ables			F Thermo /SWA c		/SW	G mosettin /A cables	s I	H Minera insulated o				0 - 0 FP-2	200		of 22

Distribution board designation: 03-023-01-031-DB1 (DB C/F) (Dorman Smith)

Location:

	J				•																					
					condu	cuit uctors: sa	time S7671	Overcuri	rent pi device:		ve	RCD	BS7671		Circuit imp	pedance	es (Ohms	5)		nsulation esistance			ured	R	CD	AFDD
Circuit number and phase	Circuit designation	Type of wiring	Reference Method	Number of points served	Live		Max pern	BS(EN)	Type No	> Rating	S Capacity	 3 Operating ⇒ current, I∆n 		(meas	inal circuit ured end t rn	r ₂	(one co	rcuits Iumn to pleted) R ₂	ΔW M	Δ Σ Live - Earth	< Test voltage	 Polarity 	Maximum measured δ earth fault loop impedance Zs	Disconnec	 Test button operation 	 Test button operation
	Socket, Kitchen - 007	A	E	2				61009	В	20	10		1.75	(Line)	(Neutral)	(cpc)	0.23			>999	-	~	0.39	ms 18.1		
12 L1	Spare																									
12 L2	Spare																									
12 L3	Oven Supply - 007	Α	E	1	4	1.5	0.4	60898	В	20	10		1.75				0.16			>999	500	~	0.28			
13 L1	Spare																									
13 L2	Spare																									
13 L3	Oven Supply - 007	Α	E	1	4	1.5	0.4	60898	В	20	10		1.75				0.19			>999	500	r	0.34			
14 L1	Spare																									
14 L2	Spare																									
14 L3	Socket, Kitchen Fridge Freezer - 007 (Freezer)	A	E	2	2.5	1.5	0.4	60898	В	16	10		2.18				0.17			>999	500	~	0.33			
15 TP	Spare																									
16 L1	Spare																									
16 L2	Spare																									
16 L3	Fire Alarm Charging Unit - 031	0	E	1	2.5	1.5	0.4	60898	В	16	10		2.18				0.11			>999	500	~	0.17			
TYP	A B S FOR Thermoplastic Thermoplastic E OF insulated/sheathed cables in RING cables metallic condu			C ermopl cables ietallic	in	it	С	D rmoplastic ables in Illic trunking	r		E rmopl ables tallic t	in		F Thermo /SWA c			G mosettin /A cables		H Minera insulated o				0 - 0t FP-2			
	mis based on the model shown in App												3				Dof: 60	2747						Deer	10	of 22

	ibution board designation:	03-023-0						nith)	Loc	catio	n:			0	3-023-	03-03	80							
					condu	cuit ictors: sa	Overcur	rent p device		ve	RCD	BS7671	(Circuit imp	edance				nsulation esistance			measured t loop e Zs	RC	D	AFDD
Circuit number and phase	Circuit designation		Type of wiring Reference Method	Number of points served	Live	sco	BS(EN)	Type No	 Rating 	F Capacity	 ⇒ Operating ⇒ current, I∆n 	B Maximum Z _S permitted by B	(measo	inal circuit ured end t ^r n (Neutral)	r ₂	All cir (one col be com R ₁ +R ₂	umn to	Ω Δ	Ω Σ	< Test voltage	 Polarity 	Maximum mea b earth fault loop impedance Zs	Bisconnection time	 Test button operation 	 Test button operation
1 L1	Lighting - Rooms 216, 21 Domestic Assistance - 00 024, 025		A B	7	1.5	1 0.	4 60898	В	10	10		3.50				0.87			>999	500	`	1.09			
1 L2	Lighting - Corridor Near -	028	A B	10	1.5	1 0.	4 60898	В	10	10		3.50				0.69			>999	500	~	0.90			
1 L3	Lighting - Rooms 206 - 2 011, 012, 013, 014, 015	10 - 010,	A B	11	1.5	1 0.	4 60898	В	10	10		3.50				1.69			>999	500	~	1.95			
2 L1	Lighting - Rooms 202 - 20 004, 005, 006	05 - 003,	A B	8	1.5	1 0.	4 60898	В	10	10		3.50				2.21			>999	500	~	2.49			
2 L2	Lighting - Corridor Far - C)29	A B	10	1.5	1 0.	4 60898	В	10	10		3.50				0.56			>999	500	~	0.78			
TYP		B Thermoplastic cables in metallic conduit		C nermopl cables netallic	in		D nermoplastic cables in tallic trunking			E rmopl ables tallic t	in		F Thermop /SWA c			G mosetting /A cables		H Minera nsulated c				o - ot FP-2			
	BOARD CHARACTERIS			TO T				NOT		T 1 O															
r	LIES WHEN THE BOARD IS to this distribution board is						DF THE T mith) - 2 TP		of ph			1					Conf	firmatio	n of sup	oply po	olarit	ty:			~
	urrent protective device e distribution circuit:	BS(EN):	60	947-2	2 - Ty	/pe N//	N .	Ra	ting:			80	^	lominal 'oltage:	23	0 V	Zs:		0.1	Ι1 Ω	lpi	f:		2.	9 kA
RCD	E	BS(EN):						No	of po	oles:			R	ating:		mA		onnections at In:	on	· ms		sconn <u>ne at</u>		י	- ms
	DETAILS OF TEST INS ils of Test Instruments used			asset	numt	pers):																			
r	unctional:	•	145				lation resis	stanc	e:								Сс	ontinuity	y:						
Earth e	electrode resistance:	-				Eart	h fault loop	o imp	edan	ce:							RC	D:							
Nam	e: Joe Wright		Positi	on:			Electricia	n				Signat	ture:							Dat	e:	2()/08/	2020	0
This for	m is based on the model sho	wn in Annen	dix 6 of	BS 7	671.2	018										Ref: 69	716						Page	· 20	of 2'

Distribution board designation: 03-023-02-030-DB1 (DB C/S) (Dorman Smith) Location:

03-023-03-030

		1				-							1													
					condu	cuit ictors: sa	time \$7671	Overcurr d	ent pi levice:		/e	RCD	BS7671		Circuit im	pedance	s (Ohms)		nsulation esistance			ured	R	CD	AFDD
Circuit number and phase	Circuit designation	Type of wiring	Reference Method	Number of points served	Live	cpc	Max disconnect time permitted by BS7671	BS(EN)	Type No	⊳ Rating	🗲 Capacity	∃ Operating ≥ current, I∆n		(measure for the second	inal circui ured end ^r n (Neutral)	r ₂		rcuits lumn to pleted) R ₂	MM ΔM	ΔM DT DT DT DT DT DT DT DT DT DT DT DT DT	< Test voltage	 Polarity 	Maximum measured δ earth fault loop impedance Zs	B Disconnection	 Test button operation 	 Test button operation
2 L3	Lighting - Rooms 211 - 215 - 016, 017, 018, 020, 021	A	В		1.5	1	0.4	60898	В	10	10		3.50				2.97			>999		~	3.33			
3 L1	Lighting - Roof Void - 029	Α	В	6	1.5	1	0.4	60898	В	10	10		3.50				1.37			>999	500	V	1.63			
3 L2	Lighting - W/C & Bathroom - 022	Α	В	11	1.5	1	0.4	61009	В	10	10	30	3.50				0.11			>999	500	V	0.25	18.0	~	
3 L3	Lighting - Roof Void - 028	Α	В	4	1.5	1	0.4	60898	В	10	10		3.50				0.84			>999	500	~	1.12			
4 L1	Lighting Control Circuit - 030	Α	В	1	1.5	1	0.4	60898	В	10	10		3.50				0.05			>999	500	~	0.12			
4 L2	Lighting - Kitchen/Dining - 007, 008	A	В	6	1.5	1	0.4	60898	В	10	10		3.50				0.89			>999	500	~	1.11			
4 L3	Spare																									
5 L1	Spare																									
5 L2	Hand Dryers Wc - 022	Α	В	1	2.5	1.5	0.4	60898	В	16	10		2.18				0.16			>999	500	V	0.26			
5 L3	Spare																									
6 L1	Spare																									
6 L2	Spur - Extract Fans - 030	Α	В	1	2.5	1.5	0.4	60898	В	20	10		1.75				0.07			>999	500	~	0.13			
6 L3	Spare																									
7 L1	Rfc - Sockets - Rooms 216, 217 & 201 - 001, 024, 025	A	В	16	2.5	1.5	0.4	61009	В	32	10	30	1.10	0.69	0.69	1.14	0.44			>999	500	~	0.44	18.3	~	
7 L2	Rfc - Sockets - Corridor Trunk Room - 029	A	В	13	2.5	1.5	0.4	61009	В	32	10	30	1.10	0.67	0.67	1.10	0.38			>999	500	~	0.25	18.2	~	
	A B			С				D			E			F			G		Н				0 - 01	ther		
TYP	S FOR Thermoplastic Thermoplastic E OF insulated/sheathed cables in RING cables metallic condui	+		ermopla cables i ietallic o	in	t	С	rmoplastic ables in Ilic trunking			rmopl ables tallic t	in		Thermor /SWA c			mosettin A cables		Minera insulated o	-			FP-2	200		
-	rm is based on the model shown in Appe						moru						.9				Ref: 69	9716						Page		of 33

Distribution board designation: 03-023-02-030-DB1 (DB C/S) (Dorman Smith) Location:

03-023-03-030

					(0, 0,	(20				LUC	Jano						000								
					Cir condu	cuit uctors: sa	time S7671	Overcuri	rent pr devices		/e	RCD	BS7671		Circuit im	pedance	es (Ohms	5)		nsulation esistance			sured		CD	AFDD
Circuit number and phase	Circuit designation	Type of wiring	Reference Method	Number of points served		cuit sa cpc mm ²	Σă	BS(EN)	Type No	> Rating	😽 Capacity	∫ Operating current, I∆n	10 ~	(measure r	inal circui ured end rn	to end)	(one co	rcuits plumn to pleted) R ₂	Live - Live	Live - Earth	< Test voltage	Polarity	Maximum meast earth fault loop impedance Zs	Disconnec		Test button
7 L3	Rfc - Sockets - Rooms 206 - 208 - 010, 011, 012	A	В			1.5		61009	В	32		mA 30			(Neutral)		0.33			MΩ >999	500	2 2	Ω 0.66	ms 18.1	~	
8 L1	Rfc - Sockets - Rooms 202, 203 & Domestic Assistance - 002, 003, 004	A	В	16	2.5	1.5	0.4	61009	В	32	10	30	1.10	0.66	0.66	1.11	0.42			>999	500	~	0.49	18.1	~	
8 L2	Rfc - Sockets - Corridor - 028	A	В	6	2.5	1.5	0.4	61009	В	32	10	30	1.10	0.30	0.30	0.47	0.27			>999	500	~	0.34	17.8	~	
8 L3	Rfc - Sockets - Rooms 209 - 210 - 013, 014	A	В	16	2.5	1.5	0.4	61009	В	32	10	30	1.10	0.67	0.67	1.13	0.42			>999	500	~	0.50	18.2	~	
9 L1	Rfc - Sockets - Rooms 204 - 205 - 005, 006	A	В	12	2.5	1.5	0.4	61009	В	32	10	30	1.10	0.52	0.52	0.84	0.29			>999	500	~	0.44	18.3	~	
9 L2	Rfc - Sockets - Kitchen/Dining - 007, 008	A	В	12	4	1.5	0.4	61009	В	32	10	30	1.10	0.36	0.36	0.61	0.23			>999	500	~	0.18	14.2	~	
9 L3	Rfc - Sockets - Rooms 211 - 212 - 016, 017	A	В	16	2.5	1.5	0.4	61009	В	32	10	30	1.10	0.66	0.67	1.10	0.43			>999	500	~	0.54	18.0	~	
10 L1	Spare																									
10 L2	Sockets - Kitchen Fridge Lhs - 007	Α	В	2	2.5	1.5	0.4	60898	С	20	10		0.87				0.18			>999	500	~	0.35			
10 L3	Rfc - Sockets - Rooms 213 - 215 - 018, 020, 021	A	В	18	2.5	1.5	0.4	61009	В	32	10	30	1.10	0.76	0.79	1.24	0.47			>999	500	~	0.44	18.0	~	
11 L1	Spare																									
11 L2	Socket - Kitchen - 007	Α	В	1	2.5	1.5	0.4	61009	В	20	10	30	1.75				0.39			>999	500	~	0.68	8.2	~	
TYP	A B S FOR Thermoplastic Thermoplastic E OF insulated/sheathed cables in R NG cables metallic conduit			C ermopl cables ietallic	in	it	С	D rmoplastic ables in Ilic trunking	n		E rmopl ables tallic t	in		F Thermop /SWA c			G mosettin /A cables	U	H Miner insulated				o - oi FP-2			

Distribution board designation: 03-023-02-030-DB1 (DB C/S) (Dorman Smith) Location:

03-023-03-030

chen Lhs -	A Type of wiring	B Reference Method	Number of points served	Live mm ²	sa cpc mm ²	 Max disconnect time permitted by BS7671 	BS(EN)	Type No	Rating	Capacity	Operating current, I∆n	Maximum Z _S permitted by BS7671		nal circuit ired end t		All cir (one co	lumn to		sistance E	ge		measul t loop e Zs	ction	c	
chen Lhs -	 A					5			A	ບ kA	M Oper Curre	δ Maxin permi	r ₁ (Line)	r _n (Neutral)	r ₂ (cpc)	R ₁ +R ₂	pleted) R ₂	ΩM Uve - Live	Ω Live - Earth	< Test voltage	 Polarity 	Maximum measured α earth fault loop impedance Zs	Bisconnec time	 Test button operation 	 Test button operation
chen Lhs -	A																								
		В																							
			1	2.5	1.5	0.4	60898	В	20	10		1.75				0.17			>999	500	~	0.34			
chen Rhs -	Α	В	1	4	1.5	0.4	60898	В	16	10		2.18				0.18			>999	500	~	0.34			
je Rhs - 007	А	В	2	4	1.5	0.4	60898	В	16	10		2.18				0.29			>999	500	~	0.43			
- 030	0	С	1	4	1.5	0.4	60898	В	16	10		2.18				0.16			>999	500	•	0.20			
																	-								
	В	030 O	B Thermoplastic Thr	B C Thermoplastic Thermoplastic	Image: Constraint of the state of	030 O C 1 4 1.5 B C I I I I Thermoplastic Thermoplastic Thermoplastic I I	B C I	B C I	B C L <thl< th=""> <thl< th=""> <thl< th=""> <thl< th=""></thl<></thl<></thl<></thl<>	B C C J Thermoplastic Thermoplastic Thermoplastic Thermoplastic Thermoplastic	B C D L L L L L L B C Thermoplastic Thermoplastic	B C L I I I I B C Thermoplastic Thermoplastic Thermoplastic Thermoplastic Thermoplastic	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	B C D D E F Thermoplastic rables in Cables in Cables in Thermoplastic rables in	B C D E F Thermoplastic cables in cable	B C D D E F Thermoplastic Thermop	Image: constraint of thermoplastic rables in cables in cabl	Image: Section of the section of t	Image: Second	Image: Second	Image: Normal state in thermoplastic state in the st	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	Image: Normal state intermoplastic Image: Normal s

Distribution board designation: 03-023-00-037-DB1 (DB DB/CT1) (Eaton 3) Location:

03-023-00-037 Circuit ct time BS7671 BS7671 Insulation Overcurrent protective RCD Circuit impedances (Ohms) 20 RCD AFDD conductors: resistance devices csa **Reference Method** measi t loop e Zs All circuits Disconnection time number Ring final circuits only by by Z_S Operating current, I∆n (one column to voltage Test button operation Earth Type of wiring Number of points served button Maximum n earth fault I impedance (measured end to end) Circuit num and phase Circuit designation Maximum <u>s</u> g Live be completed) Capacity Type No Max dis permitte Polarity Rating BS(EN) Live срс Test k opera Test Live Live r₁ rn $R_1 + R_2$ R_2 r2 mm² mm² s Α kΑ mΑ Ω (Line) MΩ MΩ V ~ Ω ms r ~ (Neutral) (cpc) 1 L2 Lights, Flat - Rooms - 035A, 036, А В 60898 В V 7 1.5 0.4 10 10 3.50 0.28 >999 500 0.46 1 ---------___ ---------------034, 033, 032, 037 2 L2 Lights, Flat - Kitchen & Corridor -В 1.5 1 0.4 60898 В 10 10 --- 3.50 0.57 >999 500 ~ 0.75 ----А 6 ---------------------036A, 040 В В 3 L2 Lights, Bathroom & Toilet - 038, А 4 1.5 1 0.4 61009 10 10 30 3.50 0.31 >999 500 • 0.44 13.7 • ------------------039 4 L2 Boiler - 055 А В 1 2.5 1.5 0.4 60898 В 20 10 1.75 0.04 >999 500 ~ 0.22 ---------------------------В r В 10 2.5 1.5 0.4 61009 32 10 30 1.10 0.57 0.60 0.98 0.36 >999 500 r 5 L2 Sockets, Bedrooms, Study - 034, А ---0.19 14.1 _ _ _ ---032,033 А В С D F G н 0 - Other CODES FOR Thermoplastic Thermoplastic Thermoplastic Thermoplastic Thermoplastic Thermoplastic Thermosetting Mineral N/A TYPE OF insulated/sheathed cables in cables in cables in cables in /SWA cables /SWA cables insulated cables WIRING cables metallic conduit nonmetallic conduit metallic trunking nonmetallic trunking BOARD CHARACTERISTICS APPLIES WHEN THE BOARD IS NOT CONNECTED TO THE ORIGIN OF THE INSTALLATION 1 ~ Supply to this distribution board is from: 03-023-00-002-MP1 (MP1) (Dorman Smith) - 7 L2 No of phases: Confirmation of supply polarity: Nominal Overcurrent protective device 230 v 60947-2 - Type N/A 100 A 0.18 Ω 1.27 kA BS(EN): Rating: 7s: lpf: Voltage: for the distribution circuit: Disconnection Disconnection --- ms --- ms BS(EN): --- mA RCD ---No of poles: ---Rating: time at In: time at 5ln: DETAILS OF TEST INSTRUMENTS Details of Test Instruments used (state serial and/or asset numbers): 101145 Multi-functional: Insulation resistance: ---Continuity: ---Earth electrode resistance: Earth fault loop impedance: RCD: ---------**TESTED BY**

Electrician

This form is based on the model shown in Appendix 6 of BS 7671:2018.

Position:

Joe Wright

Name:

Signature:

20/08/2020

Date:

Distr	ibution board designation: 03-023	-00-	037	-DB1	1 (DI	3 DE	3/C1	1) (Eato	on 3	3)	Loc	catio	n:			03	3-023	-00-03	37							
			7		Cir condu c	cuit ictors: sa	t time S7671	Overcurr d	ent pi evice:		/e	RCD	BS7671		Circuit im	pedance				nsulation esistance			measured t loop e Zs	R	CD	AFDD
Circuit number and phase	Circuit designation	Type of wiring	Reference Method	Number of points served		cuit ictors: sa cpc mm ²	Ma	BS(EN)	Type No	> Rating	🖉 Capacity	<pre>3 Operating > current, I∆n</pre>		(meas	inal circui ured end r _n (Neutral)	r ₂	(one co	rcuits lumn to pleted) R ₂	ΔX Live	ΔM Live - Earth	< Test voltage	 Polarity 	Maximum mea:	B Disconnection time	 Test button operation 	 Test button operation
	Rfc - Sockets, Lounge, Corridor, Dining Room - 036B, 036A, 0335A	A	В	8		1.5		61009	В	32		-			0.60		0.38				500	~	0.46		~	
7 L2	Rfc - Sockets, Kitchen - 035A	Α	В	5	2.5	1.5	0.4	61009	В	32	10	30	1.10	0.27	0.27	0.45	0.20			>999	500	r	0.21	18.6	~	
8 L2	Socket Kitchen - 035A	Α	В	1	2.5	1.5	0.4	60898	В	20	10		1.75				0.21			>999	500	~	0.37			
9 L2	Cooker - 035A	Α	В	1	10	4	0.4	60898	В	32	10		1.10				0.18			>999	500	~	0.26			
10 L2	Spare																									
11 L2	Spare																									
12 L2	Spare																									
13 L2	Sub Mains(Db T1/A) - 001A (Supply To 03-033-00-001A-Db1 (Db T1/A) (Eaton 3)) (Supply to 03-033-00-001A-DB1 (DB T1/A) (Eaton 3))	G	E	1	6	23	5	60898	В	32	10		1.10													
																										<u> </u>
CODE TYP WIR	E OF insulated/sheathed cables in			C ermopl cables netallic	in	t	С	D rmoplastic ables in Ilic trunking	r		E rmopl ables tallic t	in		F Thermoj /SWA c			G mosettin 'A cables	U	H Miner insulated				0 - 0 N/			

Distribution board designation: 03-033-00-001A-DB1 (DB T1/A) (Eaton 3) Location:

Circuit ct time BS7671 BS7671 Insulation Overcurrent protective RCD 00 RCD AFDD Circuit impedances (Ohms) conductors: resistance devices csa measu t loop e Zs **Reference Method** All circuits number Disconnection Ring final circuits only by by Z_S Operating current, I∆n (one column to voltage Earth button Type of wiring Number of points served button Maximum n earth fault I impedance (measured end to end) Circuit num and phase Maximum Circuit designation g Ö Live be completed) Capacity No Max dis permitte Polarity Rating BS(EN) Live срс Type Test k opera Test k opera Test Live Live r₁ rn $R_1 + R_2$ R_2 r2 mm² mm² s kΑ Ω MΩ MΩ V ~ Ω r V A mΑ (Line) (Neutral) (cpc) ms 0 С В V V Rcd Sockets, Garage - 001A 2.5 2.5 0.4 60898 20 10 30 1.75 0.27 >999 500 0.38 17.3 1 L2 4 ------_ _ _ ---------Lights, Garage - 001A 2 L2 0 С 1.5 1.5 0.4 60898 В 10 10 3.50 0.32 >999 500 V 0.45 4 ---------------------------3 L2 Spare ------------_ _ _ ---------------------------------------4 L2 Spare _ _ . ---------_ _ _ --5 L2 Spare ---6 L2 Spare ---------------------_ _ _ _ ------------------------_ _ _ ------------_ _ . ---7 L2 Spare -- - -------------0 - Other А В С D Е G Н CODES FOR Thermoplastic Thermoplastic Thermoplastic Thermoplastic Thermoplastic Thermosetting Thermoplastic Mineral N/A TYPE OF insulated/sheathed cables in cables in cables in cables in /SWA cables /SWA cables insulated cables WIRING cables metallic conduit nonmetallic conduit metallic trunking nonmetallic trunking BOARD CHARACTERISTICS APPLIES WHEN THE BOARD IS NOT CONNECTED TO THE ORIGIN OF THE INSTALLATION 1 1 Supply to this distribution board is from: 03-023-00-037-DB1 (DB DB/CT1) (Eaton 3) - 13 L2 No of phases: Confirmation of supply polarity: Nominal Overcurrent protective device 230 v 60898 - Type B 32 A 0.26 Ω 0.68 kA BS(EN): Rating: 7s: lpf: Voltage: for the distribution circuit: Disconnection Disconnection --- ms --- ms BS(EN): RCD ---No of poles: ---Rating: --- mA time at In time at 5In DETAILS OF TEST INSTRUMENTS Details of Test Instruments used (state serial and/or asset numbers): 101145 Multi-functional: Insulation resistance: Continuity: ------Earth electrode resistance: Earth fault loop impedance: RCD: ---------TESTED BY Joe Wright Electrician 20/08/2020 Name: Position: Signature: Date:

03-033-00-001A

Distr	ibution board designation: 03	-023-0	00-0	49-D	B1 (DB	CT2) (Eaton	ı 3)		Loc	catio	n:			03	3-023-	00-04	19							
					condu	cuit uctors: sa	time 57671	Overcurr	ent pr levices		/e	RCD	BS7671	(Circuit im	pedance	s (Ohms)			nsulation esistance			ured	RC	D	AFDD
Circuit number and phase	Circuit designation	Type of wiring	Reference Method	Number of points served	Live	срс	Max disconnect time permitted by BS7671	BS(EN)	Type No	⊳ Rating	🖉 Capacity	 Operating Current, IAn 	 Maximum Z_S bermitted by BS 	(measu	inal circui ured end ^r n (Neutral)	to end)	All cir (one col be comp R ₁ +R ₂	umn to	Live - Live	ΔM Live - Earth	< Test voltage	 Polarity 	Maximum measured δ earth fault loop impedance Zs	B Disconnection	 Test button operation 	 Test button operation
1 L3	Lighting Lounge Hall Bedrooms And Lobby - 049, 041, 045, 047	Δ		6	1.5		0.4	60898	В	10	10		3.50				1.10			>999		~	1.23			
2 L3	Bathroom Lighting - 043	A	A B	2	1.5	1	0.4	61009	В	10	10	30	3.50				0.21			>999	500	•	0.27	18.1	~	
3 L3	Cooker Hood - 045	A	A B	1	1.5	1	0.4	60898	В	10	10		3.50				0.09			>999	500	•	0.18			
4 L3	Sockets Lounge,Hallway,Bedroo 049, 041, 047	m - A	A B	8	2.5	1.5	0.4	61009	В	32	10	30	1.10	0.68	0.68	1.12	0.43			>999	500	~	0.49	18.3	~	
5 L3	Kitchen Sockets - 045	A	A B	3	2.5	1.5	0.4	61009	В	32	10	30	1.10	0.15	0.15	0.25	0.09			>999	500	•	0.19	18.5	~	
6 L3	Fused Spur And Socket In Cupboard - 053	A	АВ	3	2.5	1.5	0.4	60898	В	20	10		1.75				0.13			>999	500	~	0.21			
7 L3	Cooker - 045	A	A B	1	10	4	0.4	60898	В	20	10		1.75				0.03			>999	500	•	0.15			
CODE TYP WIR		in		C hermop cables metallic	in	it	C	D ermoplastic ables in illic trunking	r		E rmopl ables tallic t	in		F Thermop /SWA c			G mosetting /A cables		H Minera insulated c				0 - 0 N/			
APP	OARD CHARACTERISTICS							DF THE I N ith) - 7 L3		ALLA of ph			1					Con	firmatio	n of sur	only n	olarii	tv.			
Overcu	urrent protective device BS(EN):			947-2						ing:	1400	0.	100	Δ	lominal 'oltage:	- 73	0 V	Zs:	innatio		12 Ω	Ip	-			, 91 кА
RCD	distribution circuit: BS(EN):								No	of po	oles:				ating:		mA		onnectionection	on	- ms		isconr me at	nectior 5In:	· ۱	· ms
	DETAILS OF TEST INSTRUM			asset	numl	pers)	:																			
·	unctional:	1011				-		tion resist	tance	э:								Со	ontinuity	/:						
Earth e	electrode resistance:		-			E	arth	fault loop	imp	edan	ce:							R	CD:							
	ESTED BY																									
Nam	e: Joe Wright		Posit	ion:				Electricia	n				Signa	ture:							Dat	te:	2	0/08/	2020)

Distribution board designation:

03-023-00-049-DB1 (DB CT2) (Eaton 3)

Location:

							`			(_																
					77		Ciro condu cs	cuit ictors: sa	t time S7671	Overcurr	ent pi levice:		ve	RCD	S7671		Circuit im	pedance				nsulation esistance			sured	R	CD	AFDD
Circuit number and phase		Circuit designatio	n	Type of wiring	Reference Method	Number of points served	Live	cuit ictors: sa cpc mm ²	Max disconnect permitted by B	BS(EN)	Type No	Rating	Capacity	Operating current, I∆n	Maximum Z _S permitted by BS7671	Ring f (meas	inal circui ured end ^r n	ts only to end) r ₂	(one co	rcuits olumn to npleted) R ₂	Live - Live	Live - Earth	Test voltage	Polarity	Maximum measured earth fault loop impedance Zs	Disconnection time	Test button operation	Test button operation
-				T	Re	b R	mm ²	mm ²	s			A	kA	mA	Ω	(Line)	(Neutral)	(cpc)			MΩ	MΩ	V	~	Ω	ms	~	~
8 L3	Spare																											
9 L3	Spare																											
10 L3	Spare																											
11 L3	Spare																											
12 L3	Spare																											
13 L3	Spare																											
	S FOR E OF	A Thermoplastic nsulated/sheathed	B Thermoplastic cables in			C ermopl cables				D moplastic ables in			E rmop ables	lastic in		F Thermo			G mosettin		H Miner				0 - 0 N/			
		cables d on the model	metallic condui			etallic			metal	lic trunking	r	nonmet	tallic	trunkir	ng	/SWA c	ables		/A cables Ref: 6		insulated	cables			,			of 33

Distr	ibution board designation:	03-02	3-00	0-05	0-D	B1 (DB (CT3) (Eator	ר 3)		Loc	atio	n:			03	3-023-	00-04	19							
						condu	cuit ictors:	time \$7671	Overcur	rent pr devices		/e	RCD	BS7671	(Circuit im	pedance	s (Ohms)			nsulation esistance			ured	RC	D	AFDD
Circuit number and phase	Circuit designation		of wiring	Reference Method	Number of points served	Live	срс	disconnect time nitted by BS7671	BS(EN)	Type No	бL	Capacity	Operating current, I∆n	Maximum Z _S permitted by BS		inal circui ured end		All cire (one coll be comp	umn to	- Live	- Earth	voltage	rity	Maximum measured earth fault loop impedance Zs	Disconnection	Test button operation	Test button operation
Circui and p			Type o	Refere	Numbe points	mm ²	mm ²	s Max pern		Type	> Rating	Cap: KA	cnrr curr mA	δ Max pern	r ₁ (Line)	r _n (Neutral)	r ₂ (cpc)	R ₁ +R ₂	R ₂	Γi MΩ	L Γ ΜΩ	< Test	 Polarity 	Ω impe	ms time	 Test oper 	 Test oper
1 L2	Lighting Lounge Hall Bedroom And Lobby - 048, 050, 046, 04		A	В	6	1.5	1	0.4	60898	В	10	10		3.50				0.78			>999	500	~	1.03			
2 L2	Bathroom Lighting - 044		Α	В	2	1.5	1	0.4	61009	В	10	10	30	3.50				0.21			>999	500	~	0.35	18.1	~	
3 L2	Cooker Hood - 046		А	В	1	1.5	1	0.4	60898	В	10	10		3.50				0.09			>999	500	~	0.18			
4 L2	Sockets Lounge,Hallway,Bedro 048, 050, 042,	oom -	A	В	8	2.5	1.5	0.4	61009	В	32	10	30	1.10	0.71	0.72	1.19	0.44			>999	500	~	0.41	18.5	~	
5 L2	Kitchen Sockets - 046		А	В	3	2.5	1.5	0.4	61009	В	32	10	30	1.10	0.31	0.31	0.52	0.18			>999	500	~	0.26	19.3	~	
6 L2	Fused Spur And Socket In Cupboard RCD - 054		A	В	3	2.5	1.5	0.4	60898	В	20	10	30	1.75				0.14			>999	500	~	0.25	8.2	~	
7 L2	Cooker - 046		Α	В	1	10	4	0.4	60898	В	20	10		1.75				0.11			>999	500	~	0.17			
	A	В			С				D			E			F			G		Н				0 - 0	ther		
TYP	E OF insulated/sheathed cab	noplastic ples in ic conduit			ermopli cables etallic		t	С	rmoplastic ables in Ilic trunking	n		rmopla ables tallic t	in		Thermor /SWA c			nosetting A cables		Minera insulated c				N/	Ά		
	BOARD CHARACTERI STI (
	LIES WHEN THE BOARD IS NO to this distribution board is from								DF THE I I th) - 8 L1		ALLA of pł			1					Conf	firmatio	n of sup	ply p	olari	ty:			~
	urrent protective device BS(Ef	N):		609	47-2	2 - Ty	ype I	N/A		Rat	ing:			100	^	lominal 'oltage:		0 V	Zs:		0.2	l6 Ω	lp	f:		1.4	14 kA
RCD	BS(EI	N):								No	of po	oles:				ating:		mA		onnectione at In:	on	· ms		isconr <u>me at</u>	nectior 5In:	۰ ^۱	- ms
	DETAILS OF TEST INSTRU			/or a	sset i	numt	pers)																				
	unctional:)114				-		ition resis	stance	e:								Сс	ontinuity	/:						
Earth e	electrode resistance:						E	arth	fault loop	o impe	edan	ce:							R	CD:							
	ESTED BY																										
Nam	e: Joe Wright		F	Positio	on:				Electricia	n				Signa	ture:							Da	te:	2	0/08/	2020)

Distribution board designation:

03-023-00-050-DB1 (DB CT3) (Eaton 3)

Location:

							condu	cuit ictors: sa	time 57671	Overcuri	rent pi device:		/e	RCD	\$7671		Circuit im	pedance	es (Ohms	5)		nsulation esistance			sured	RC	D	AFDD
Circuit number and phase		Circuit designati	on	Type of wiring	Reference Method	Number of points served	Live		 Max disconnect time permitted by BS7671 	BS(EN)	Type No	⊳ Rating	F Capacity	<pre>3 Operating > current, I∆n</pre>	b Maximum Zs permitted by BS7671	(meas	inal circui ured end ^r n (Neutral)	r ₂	(one co	rcuits Iumn to ppleted) R ₂	0 Μ Urive - Live	Δ M Live - Earth	< Test voltage	 Polarity 	Maximum measured b earth fault loop impedance Zs	B Disconnection	 Test button operation 	 Test button operation
8 L2	Spare																											
9 L2	Spare																											
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CODE TYPI WIR	E OF	A Thermoplastic insulated/sheathed cables	Thermoplastic cables in metallic conduit			ermopl cables etallic	in	t	С	rmoplastic ables in Ilic trunking			rmopl ables			Thermo /SWA d			mosettin /A cables		Minera Insulated of				N/			
		ised on the model							ineta			onne	and	uunkii	ig				Ref: 6	9716						Page	e: 30	of 3

GENERAL COMMENTS

General Comments for the Installation or Inspection of the report:

Insulation Resistance Tests have been carried out as far as reasonably possible (linked line & neutral to earth tests were undertaken on circuits where it was not feasible to disconnect vast amounts of equipment as agreed with Nigel Harrison - Estates) and a minimum of 20% of termination points on each individual circuit, and on lighting circuits a minimum of two luminaries and two switches have been inspected. Reference methods were inspected as far as reasonably practicable. Cable sizes and lengths were estimated and could not be absolutely confirmed. No designated power circuit supplies for IT equipment, server comms, fire alarms and CCTV were interrupted (unless isolated at the time of test by the client. Characteristics of primary supply overcurrent device not inspected, the earthing system has not been verified and details regarding this within page 3 are via enquiry to the previous report. The maximum demand has not been calculated. No external earth loop impedance (Ze) has been measured; no full isolation of site possible. The numbers of points served has been investigated as far as is reasonably practicable.Please refer to previous inspection reports for additional information, these are held on site by estates (110041636).

GENERAL COMMENTS

General Comments for the Installation or Inspection of the report:

Approximate Submains Lengths (To listed distribution boards) -

03-023-00-017-DB1 (DB C/G) (Dorman Smith) - 5M 03-023-01-031-DB1 (DB C/F) (Dorman Smith) - 20M 03-023-02-030-DB1 (DB C/S) (Dorman Smith) - 25M 03-023-00-037-DB1 (DB DB/CT1) (Eaton 3) - 20M 03-033-00-001A-DB1 (DB T1/A) (Eaton 3) - 10M 03-023-00-049-DB1 (DB CT2) (Eaton 3) - 10M 03-023-00-050-DB1 (DB CT3) (Eaton 3) - 10M

CONTINUATION FOR GENERAL COMMENTS

GENERAL COMMENTS

General Comments for the Installation or Inspection of the report:

Switch Panel Check List. Building Name: COMPTON RESIDENTIAL Building Code: 03.023 Switch Panel: 03-023-00-002-MP1 (MP1)

Switch Panel Checklist: Items That have been inspected are listed below: Check for missing structural/IP panel parts or damage to panel. Check for labelling/ identification is in place. Check that correct fuses have been installed for each fuse carrier. An air gap should be present between each fuse. Check that all shields over terminals are not damaged in situ. Check torque of fuse terminals to identify any damaged threads resulting in loose high resistance terminals or over tightened bolts. Carry out an examination of terminals and cables using heat gun on full load (agreed Limitation) General Notes:

Main Incomer Inspection: Labelling / Identification: Yes Fuse Rating: 250a Shields in Place: Yes Torque of terminals: Yes Notes:

Switch Fuse Inspection: Labelling / Identification: Yes Fuse Rating: 250a Shields in Place: Yes Torque of terminals: Yes Notes:

ELECTRICAL INSTALLATION 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.

 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 5). The Report should identify any damage, deterioration, defects and/or conditions which may give rise to danger.
 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 4 (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 4.

7. For items classified in Section 7 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 7 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 7 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 6).

nature and extent of the apparent deficiency (see Section 6). 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 6 of the Report under 'Recommendations' and on a label at or near to the consumer unit/ distribution board.