

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	BOILER HOUSE	Supply to distribution board is from:	SubMains(SECTION BOARD,
Distribution board designation	DB 1	No of phases	3
		Nominal Voltage	400 V
		Overcurrent protective device for the distribution circuit	
		Type BS(EN)	60947-2 MCCB
		Rating	63 A
		Associated RCD (if any)	
		BS(EN)	N/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	
					Live mm ²	cpc mm ²		BS(EN)	AFDD	Type	Rating (A)	Short circuit capacity (kA)	Operating current (Δn)	Maximum permitted Zs (Ω)
1/L1	G10 FEMALE WC Hand Dryer	D	B	1	2.5	2.5	0.4	61009 RCD/RCBO		C	16	10	30	1.37
1/L2	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-
1/L3	G11 GENTS WC Hand Dryer	D	B	1	2.5	2.5	0.4	61009 RCD/RCBO		C	16	10	30	1.37
2/L1	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-
2/L2	G7 DISABLED WC Hand Dryer	D	B	1	2.5	2.5	0.4	61009 RCD/RCBO		C	16	10	30	1.37
2/L3	Door Release	A	B	1	2.5	2.5	0.4	61009 RCD/RCBO		C	6	10	30	3.64
3/L1	G9,G12 LOCKERS+ KIT Rm Sockets	D	B	5	2.5	2.5	0.4	61009 RCD/RCBO		C	32	10	30	0.68
3/L2	G13,G14 CORRIDOR+ LAUNDRY Sockets	D	B	8	2.5	2.5	0.4	61009 RCD/RCBO		C	32	10	30	0.68
3/L3	STATION OFF, WATCH RM SKTS+ HIGH LEVEL FCU	D	B	7	2.5	2.5	0.4	61009 RCD/RCBO		C	32	10	30	0.68
4/L1	G3,G5 ADM + FS OFFICE Sockets	D	B	6	2.5	2.5	0.4	61009 RCD/RCBO		C	32	10	30	0.68
4/L2	G2,G8 CORRIDOR Sockets	D	B	3	2.5	2.5	0.4	61009 RCD/RCBO		C	32	10	30	0.68
4/L3	Tubular heater	D	B	1	6	6	0.4	60898 MCB		C	20	10	N/A	1.09
5/L1	Intruder Alarm	D	B	1	2.5	2.5	0.4	60898 MCB		C	6	10	N/A	3.64
5/L2	G9 LOCKER Rm Fan	D	B	1	2.5	2.5	0.4	60898 MCB		C	6	10	N/A	3.64
5/L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-
6/L1	G17 BOILER HOUSE Sockets	D	B	1	2.5	2.5	0.4	61009 RCD/RCBO		C	32	10	30	0.68
6/L2	G15 DRYING ROOM Fan	D	B	1	2.5	2.5	0.4	60898 MCB		C	6	10	N/A	3.64
6/L3	Drying Rm Dehumidifier	D	B	1	2.5	2.5	0.4	60898 MCB		C	10	10	N/A	2.19
7/L1	G14 LAUNDRY Rm Fan	D	B	1	1.5	1.5	0.4	60898 MCB		C	6	10	N/A	3.64
7/L2	G17 FIRE KIT Rm Fan	D	B	1	1.5	1.5	0.4	60898 MCB		C	6	10	N/A	3.64
7/L3	G3,G5 SAFETY OFFICER+ ADM OFF Lights	D	B	12	1.5	1.5	0.4	60898 MCB		C	10	10	N/A	2.19
8/L1	G1,G2 CORRIDOR Lights	D	B	9	1.5	1.5	0.4	60898 MCB		C	10	10	N/A	2.19
8/L2	G4,G6 WATCH Rm+STATION OFF Lights	D	B	11	1.5	1.5	0.4	60898 MCB		C	10	10	N/A	2.19
8/L3	WC's+BOILERHOUSE+ DRYING Rm LIGHTS	D	B	12	1.5	1.5	0.4	61009 RCD/RCBO		B	10	10	30	4.37

Wiring Code

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

Board Tests

TO BE COMPLETED IN EVERY CASE		TEST INSTRUMENTS (SERIAL NUMBERS) USED	
Correct supply polarity confirmed ☒	Phase sequence confirmed ☒ (where appropriate)	Earth fault loop impedance 101491349	RCD 101491349
Supplementary Conductors ☒		Insulation resistance 101491349	Multi-function N/A
ONLY TO BE COMPLETED IF THE DISTRIBUTION BOARD IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION		Continuity 101491349	Other N/A
Zs 0.08 Ω	Ipf 5.98 kA		
Operating times of associated RCD (if any) At I Δ n N/A ms			

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			Disconnection time (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	0.61	N/A	500	N/A	999+	999+	999+	✓	0.69	119.0	✓		NO
1/L2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1/L3	N/A	N/A	N/A	0.60	N/A	500	N/A	999+	999+	999+	✓	0.68	119.0	✓		NO
2/L1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2/L2	N/A	N/A	N/A	0.40	N/A	500	N/A	999+	999+	999+	✓	0.48	119.0	✓		NO
2/L3	N/A	N/A	N/A	0.40	N/A	500	N/A	999+	999+	999+	✓	0.48	98.8	✓		NO
3/L1	0.53	0.51	0.16	0.18	N/A	500	N/A	999+	999+	999+	✓	0.22	99.5	✓		NO
3/L2	0.59	0.60	0.16	0.19	N/A	500	N/A	999+	999+	999+	✓	0.25	119.0	✓		NO
3/L3	0.80	0.80	0.77	0.39	N/A	500	N/A	999+	999+	999+	✓	0.26	110.0	✓		NO
4/L1	0.88	0.88	0.48	0.34	N/A	500	N/A	999+	999+	999+	✓	0.25	98.0	✓		NO
4/L2	0.82	0.83	0.41	0.31	N/A	500	N/A	999+	999+	999+	✓	0.27	1.07.0	✓		NO
4/L3	N/A	N/A	N/A	0.08	N/A	500	N/A	999+	999+	999+	✓	0.16	N/A	N/A		NO
5/L1	N/A	N/A	N/A	0.40	N/A	500	N/A	999+	999+	999+	✓	0.48	N/A	N/A		NO
5/L2	N/A	N/A	N/A	0.29	N/A	500	N/A	999+	999+	999+	✓	0.37	N/A	N/A		NO
5/L3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6/L1	0.08	0.09	0.10	0.05	N/A	500	N/A	999+	999+	999+	✓	0.19	99.7	✓		NO
6/L2	N/A	N/A	N/A	0.20	N/A	500	N/A	999+	999+	999+	✓	0.28	N/A	N/A		NO
6/L3	N/A	N/A	N/A	0.24	N/A	500	N/A	999+	999+	999+	✓	0.32	N/A	N/A		NO
7/L1	N/A	N/A	N/A	0.26	N/A	500	N/A	999+	999+	999+	✓	0.34	N/A	N/A		NO
7/L2	N/A	N/A	N/A	0.48	N/A	500	N/A	999+	999+	999+	✓	0.56	N/A	N/A		NO
7/L3	N/A	N/A	N/A	0.66	N/A	500	N/A	LIM	999+	999+	✓	0.74	N/A	N/A		NO
8/L1	N/A	N/A	N/A	0.49	N/A	500	N/A	LIM	999+	999+	✓	0.57	N/A	N/A		NO
8/L2	N/A	N/A	N/A	0.52	N/A	500	N/A	LIM	999+	999+	✓	0.60	N/A	N/A		NO
8/L3	N/A	N/A	N/A	0.57	N/A	500	N/A	LIM	999+	999+	✓	0.65	28.8	✓		NO

Tested By

Signature

S. Winter

Position

TEST ENGINEER

Name

STEVE WINTER

Date of testing

20/06/2022

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	BOILER HOUSE	Supply to distribution board is from:	SubMains(SECTION BOARD,
Distribution board designation	DB 1	No of phases	3 Nominal Voltage 400 V
		Overcurrent protective device for the distribution circuit	
		Type BS(EN)	60947-2 MCCB Rating 63 A
			Associated RCD (if any)
		BS(EN)	N/A
		RCD No of Poles	N/A
		RCD Rating	N/A mA

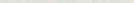
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A	B	C	D	E	F	G	H	O
Thermoplastic insulated/sheathed cables	Thermoplastic cables in metallic conduit	Thermoplastic cables in non-metallic conduit	Thermoplastic cables in metallic trunking	Thermoplastic cables in non-metallic trunking	Thermoplastic/SWA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

TO BE COMPLETED IN EVERY CASE				TEST INSTRUMENTS (SERIAL NUMBERS) USED			
Correct supply polarity confirmed		☒	Phase sequence confirmed (where appropriate)		☒		
Supplementary Conductors		☒					
ONLY TO BE COMPLETED IF THE DISTRIBUTION BOARD IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION							
Zs	0.08	Ω	Ipf	5.98	kA		
Operating times of associated RCD (if any) At I Δ n				N/A	ms		
				Earth fault loop impedance	101491349	RCD	101491349
				Insulation resistance	101491349	Multi-function	N/A
				Continuity	101491349	Other	N/A

N/A

[illegible]

Signature		Position	TEST ENGINEER
Name	STEVE WINTER	Date of testing	20/06/2022