

# ELECTRICAL INSTALLATION CONDITION REPORT

608 - Master



<b>A. Details of the Client/Person Ordering the Report</b>		<b>B. Reason for Producing this Report</b>			
Client:	Citygate	Purpose of this report:	To assess the electrical installation		
Address:	Woodhead Drive Cambridge CB4 1XY	Date(s) on which Inspection: and testing was carried out	15/11/2019		
<b>C. Details of the Installation which is the Subject of this Report</b>		Domestic	Commercial	Industrial	
Installation:	Citygate	Description of premises:	<input checked="" type="checkbox"/>	N/A	N/A
Occupier:	Citygate	Other:	N/A		
Address:	Woodhead Drive Cambridge CB4 1XY	Estimated age of wiring system:		20	yrs
Record of Installation available:	<input checked="" type="checkbox"/>	Evidence of alterations or additions:	N/A	If yes estimated Age	N/A yrs
Records held By:	Not known	Date of previous inspection:	Not Known		
<b>D. Extent and Limitations Inspection and Testing</b>		Agreed limitations including the reasons (See regulation 653.2)			
Extent of Electrical Installation covered by this report:		None			
Inspection and testing of fixed installation only		Citygate			
Operational Limitations including the reasons (See page No N/A )		Agreed with name			
None		Citygate			
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.					
<b>E. Summary of the Condition of the Installation</b>		General condition of the installations (In terms of electrical safety)			
The general condition of the installation in terms of electrical safety is satisfactory. Attention must be paid to the points raised within --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.			
<b>F. Recommendations</b>					
Where the overall assessment of the suitability of the installation for continued use above is stated as SATISFACTORY , I 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 F1). Observation classified as 'Improvement recommended' (code C3) should be given due consideration. Subject to the necessary remedial action being taken I recommend that the installation is further inspected and tested by 15/11/2024					
<b>G. Declaration</b>					
I , being the person(s) responsible for the inspection and testing of the electrical installation (as indicated by My 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	MS Electrical Services, 32 Field End, Witchford, Ely, Cambridgeshire, CB6 2XE	NICEIC Enrolment Number	23857		
		Branch No. (If Applicable)	N/A		
<b>Inspected and tested by:</b>					
Name	Mark Smith	Position	Electrical test engineer	Signature	15/11/2019
<b>Report authorised for issue by:</b>					
Name	Mark Smith	Position	Electrical test engineer	Signature	25/11/2019
<b>H. Schedule(s)</b> The attached schedule(s) are part of this document and this report is valid only when they are attached to it.					
2	Schedule(s) of inspection and	2	Schedule(s) of test results are attached		

**I. Supply Characteristics and Earthing Arrangements**

Earthing Arrangements	Number and Type of Live Conductors				Nature of Supply Parameters			Supply protective device	
TN-S <input type="checkbox"/> N/A	a.c. <input checked="" type="checkbox"/>			d.c. <input type="checkbox"/> N/A	Nominal Voltage $U^{(1)}$	400	V	BS(EN)	
TN-C-S <input checked="" type="checkbox"/>	1-Phase (2 wire) <input checked="" type="checkbox"/>	1-Phase (3 wire) <input type="checkbox"/> N/A		2 Wire <input type="checkbox"/> N/A	Nominal Voltage $U_0^{(1)}$	230	V	1361 Fuse HBC	
TN-C <input type="checkbox"/> N/A	2-Phase (3 wire) <input type="checkbox"/> N/A			3 Wire <input type="checkbox"/> N/A	Nominal frequency $f^{(1)}$	50	Hz	Type	
TT <input type="checkbox"/> N/A	3-Phase (3 wire) <input type="checkbox"/> N/A	3-Phase (4 wire) <input type="checkbox"/> N/A		Other <input type="checkbox"/> N/A	Prospective fault current $I_{pf}^{(2)}$	1.11	kA	2	
IT <input type="checkbox"/> N/A	Other <input type="checkbox"/> N/A				External loop impedance $Z_e^{(2)}$	0.18	$\Omega$	Nominal current rating	100 A
	Confirmation of supply polarity <input checked="" type="checkbox"/>				Number of supplies	1		Short circuit capacity	33 kA
					(Note: (1) by enquiry, (2) by enquiry or by measurement)				

**J. Particulars of Installation Referred to in the Report**

Means of earthing	Details of installation Earth Electrode (where applicable)		
Distributor's facility <input checked="" type="checkbox"/>	Type (e.g. rod(s), tape etc.)	N/A	Location
Installation earth electrode <input type="checkbox"/> N/A	Resistance to Earth	N/A $\Omega$	Method of measurement
			N/A

**Main Protective Conductors** Tick boxes and enter details as applicable

Earthing Conductor	Material	Copper	csa	16	mm <sup>2</sup>	Continuity Verified	<input checked="" type="checkbox"/>	Connection Verified	<input checked="" type="checkbox"/>
Main protective bonding conductors	Material	Copper	csa	N/A	mm <sup>2</sup>	Continuity Verified	<input checked="" type="checkbox"/>	Connection Verified	<input checked="" type="checkbox"/>

Bonding of Incoming Service					Maximum Demand (Load)	
Water installation pipes <input checked="" type="checkbox"/>	Gas installation pipes <input checked="" type="checkbox"/>	Structural Steel <input type="checkbox"/> N/A	Lightning protection <input type="checkbox"/> N/A	Oil installation pipes <input type="checkbox"/> N/A	100	Amps
Other incoming service(s) <input type="checkbox"/> N/A <input type="checkbox"/> N/A					Protective measure(s) against electric shock	
					ADS	

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

Location	Block 1-6			Current rating	80	A	<b>if RCD main switch</b>	
Type BS(EN)	60947-3	No of poles	2	Fuse/Device rating or setting	80	A	Rated residual operation current, $I_{\Delta n}$	N/A mA
Supply Conductors material	Copper	Supply Conductors csa	25	Voltage rating	230	V	Rated time delay	N/A ms
							RCD Operating time at, $I_{\Delta n}$	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	Ref: DB LL1 + DB LL2	N/A
2	No voltage warning label on fuseboard	C3
3	No isolate supply before removing cover labels on fuseboard	C3
4	DB is not fire rated	C3
5	No DB Schedule	C3
--Observations continue on continuation sheet(s)--		

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	12
FI - Further investigation required without delay	0

**CONDITION REPORT INSPECTION SCHEDULE FOR DOMESTIC AND SIMILAR PREMISES WITH UP TO 100A SUPPLY**


Note: this form is suitable for many types of smaller installations, not exclusively domestic.

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		
<b>1.0</b>	<b>EXTERNAL CONDITION OF INTAKE EQUIPMENT (VISUAL INSPECTION ONLY)</b>													
1.1	Service cable										✓	No		
1.2	Service head										✓	No		
1.3	Earthing arrangement										✓	No		
1.4	Meter tails										✓	No		
1.5	Metering equipment										✓	No		
1.6	Isolator (where present)										✓	No		
<b>2.0</b>	<b>PRESENCE OF ADEQUATE ARRANGEMENTS FOR OTHER SOURCES SUCH AS MICROGENERATORS (551.6; 551.7)</b>										N/A	No		
<b>3.0</b>	<b>EARTHING / BONDING ARRANGEMENTS (411.3; Chap 54)</b>													
3.1	Presence and condition of distributor's earthing arrangement (542.1.2.1; 542.1.2.2)										✓	No		
3.2	Presence and condition of earth electrode connection where applicable (542.1.2.3)										N/A	No		
3.3	Provision of earthing/bonding labels at all appropriate locations (514.13.1)										✓	No		
3.4	Confirmation of earthing conductor size (542.3; 543.1.1)										✓	No		
3.5	Accessibility and condition of earthing conductor at MET (543.3.2)										✓	No		
3.6	Confirmation of main protective bonding conductor sizes (544.1)										✓	No		
3.7	Condition and accessibility of main protective bonding conductor connections (543.3.2; 544.1.2)										✓	No		
3.8	Accessibility and condition of other protective bonding connections (543.3.1;543.3.2)										✓	No		
<b>4.0</b>	<b>CONSUMER UNIT(S) / DISTRIBUTION BOARD(S)</b>													
4.1	Adequacy of working space/accessibility to consumer unit/distribution board (132.12; 513.1)										✓	No		
4.2	Security of fixing (134.1.1)										✓	No		
4.3	Condition of enclosure(s) in terms of IP rating etc (416.2)										✓	No		
4.4	Condition of enclosure(s) in terms of fire rating etc (421.1.201; 526.5)										C3 (see section K)	No		
4.5	Enclosure not damaged/deteriorated so as to impair safety (651.2)										✓	No		
4.6	Presence of main linked switch (as required by 462.1.201)										✓	No		
4.7	Operation of main switch (functional check) (643.10)										✓	No		
4.8	Manual operation of circuit-breakers and RCDs to prove disconnection (643.10)										C3 (see section K)	No		
4.9	Correct identification of circuit details and protective devices (514.8.1; 514.9.1)										C3 (see section K)	No		
4.10	Presence of RCD six-monthly test notice at or near consumer unit/distribution board (514.12.2)										C3 (see section K)	No		
4.11	Presence of non-standard (mixed) cable colour warning notice at or near consumer unit/distribution board (514.14)										C3 (see section K)	No		
4.12	Presence of alternative supply warning notice at or near consumer unit/distribution board (514.15)										N/A	No		
4.13	Presence of other required labelling (please specify) (Section 514)										C3 (see section K)	No		
4.14	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)										✓	No		
4.15	Single-pole switching or protective devices in line conductor only (132.14.1; 530.3.3)										✓	No		
4.16	Protection against mechanical damage where cables enter consumer unit/distribution board (132.14.1; 522.8.1; 522.8.5; 522.8.11)										✓	No		
4.17	Protection against electromagnetic effects where cables enter consumer unit/distribution board/enclosures (521.5.1)										✓	No		
4.18	RCD(s) provided for fault protection - includes RCBOs (411.4.204; 411.5.2; 531.2)										✓	No		
4.19	RCD(s) provided for additional protection/requirements - includes RCBOs (411.3.3;415.1)										✓	No		
4.20	Confirmation of indication that SPD is functional (651.4)										✓	No		
4.21	Confirmation that ALL conductor connections, including connections to busbars, are correctly located in terminals and are tight and secure (526.1)										✓	No		
4.22	Adequate arrangements where a generating set operates as a switched alternative to the public supply (551.6)										✓	No		
4.23	Adequate arrangements where a generating set operates in parallel with the public supply (551.7)										✓	No		
<b>5.0</b>	<b>FINAL CIRCUITS</b>													
5.1	Identification of conductors (514.3.1)										✓	No		
5.2	Cables correctly supported throughout their run (521.10.202; 522.8.5)										✓	No		
5.3	Condition of insulation of live parts (416.1)										✓	No		

**CONDITION REPORT INSPECTION SCHEDULE FOR DOMESTIC AND SIMILAR PREMISES WITH UP TO 100A SUPPLY CONTINUED**

Note: this form is suitable for many types of smaller installations not exclusively domestic.

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		
<b>5.0</b>	<b>FINAL CIRCUITS (Continued)</b>													
5.4	Non-sheathed cables protected by enclosure in conduit, ducting or trunking (521.10.1)										✓	No		
5.4.1	To include the integrity of conduit and trunking systems (metallic and plastic)										✓	No		
5.5	Adequacy of cables for current-carrying capacity with regard for the type and nature of installation (Section 523)										✓	No		
5.6	Coordination between conductors and overload protective devices (433.1; 533.2.1)										✓	No		
5.7	Adequacy of protective devices: type and rated current for fault protection (411.3)										✓	No		
5.8	Presence and adequacy of circuit protective conductors (411.3.1; Section 543)										✓	No		
5.9	Wiring system(s) appropriate for the type and nature of the installation and external influences (Section 522)										✓	No		
5.10	Concealed cables installed in prescribed zones (see Section D, Extent and limitations) (522.6.202)										✓	No		
5.11	Cables concealed under floors, above ceilings or in walls/partitions, adequately protected against damage (see Section D, Extent and limitations) (522.6.204)										✓	No		
5.12	Provision of additional requirements for protection by RCD not exceeding 30 mA:													
5.12.1	For all socket-outlets of rating 32 A or less, unless an exception is permitted (411.3.3)										✓	No		
5.12.2	For the supply of mobile equipment not exceeding 32 A rating for use outdoors (411.3.3)										✓	No		
5.12.3	For cables concealed in walls at a depth of less than 50 mm (522.6.202; 522.6.203)										✓	No		
5.12.4	For cables concealed in walls/partitions containing metal parts regardless of depth (522.6.203)										✓	No		
5.12.5	Final circuits supplying luminaires within domestic (household) premises (411.3.4)										✓	No		
5.13	Provision of fire barriers, sealing arrangements and protection against thermal effects (Section 527)										✓	No		
5.14	Band II cables segregated/separated from Band I cables (528.1)										✓	No		
5.15	Cables segregated/separated from communications cabling (528.2)										✓	No		
5.16	Cables segregated/separated from non-electrical services (528.3)										✓	No		
5.17	Termination of cables at enclosures - indicate extent of sampling in Section D of the report (Section 526)													
5.17.1	Connections soundly made and under no undue strain (526.6)										✓	No		
5.17.2	No basic insulation of a conductor visible outside enclosure (526.8)										✓	No		
5.17.3	Connections of live conductors adequately enclosed (526.5)										✓	No		
5.17.4	Adequately connected at point of entry to enclosure (glands, bushes etc.) (522.8.5)										✓	No		
5.18	Condition of accessories including socket-outlets, switches and joint boxes (651.2(v))										✓	No		
5.19	Suitability of accessories for external influences (512.2)										✓	No		
5.20	Adequacy of working space/accessibility to equipment (132.12; 513.1)										✓	No		
5.21	Single-pole switching or protective devices in line conductors only (132.14.1; 530.3.3)										✓	No		
<b>6.0</b>	<b>LOCATION(S) CONTAINING A BATH OR SHOWER</b>													
6.1	Additional protection for all low voltage (LV) circuits by RCD not exceeding 30 mA (701.411.3.3)										N/A	No		
6.2	Where used as a protective measure, requirements for SELV or PELV met (701.414.4.5)										N/A	No		
6.3	Shaver sockets comply with BS EN 61558-2-5 formerly BS 3535 (701.512.3)										N/A	No		
6.4	Presence of supplementary bonding conductors, unless not required by BS 7671:2018 (701.415.2)										N/A	No		
6.5	Low voltage (e.g. 230 volt) socket-outlets sited at least 3 m from zone 1 (701.512.3)										N/A	No		
6.6	Suitability of equipment for external influences for installed location in terms of IP rating (701.512.2)										N/A	No		
6.7	Suitability of accessories and controlgear etc. for a particular zone (701.512.3)										N/A	No		
6.8	Suitability of current-using equipment for particular position within the location (701.55)										N/A	No		
<b>7.0</b>	<b>OTHER PART 7 SPECIAL INSTALLATIONS OR LOCATIONS</b>													
7.1	List all other special installations or locations present, if any. (Record separately the results of particular inspections applied.)									Number of locations	0	No		

<b>Inspected By</b>	
Name: <input type="text" value="Mark Smith"/>	Date: <input type="text" value="15/11/2019"/>
Signature: 	

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: <input type="text" value="Block 1-6"/>	Supply to distribution board is from: <input type="text" value="N/A"/>
Distribution board designation: <input type="text" value="DB LL1"/>	No of phases: <input type="text" value="N/A"/> Nominal Voltage: <input type="text" value="N/A"/> V
	Overcurrent protective device for the distribution circuit
	Type BS(EN): <input type="text" value="N/A"/> Rating: <input type="text" value="N/A"/> A
	Associated RCD (if any)
	BS(EN): <input type="text" value="N/A"/>
	RCD No of Poles: <input type="text" value="N/A"/>
	RCD Rating: <input type="text" value="N/A"/> mA

Circuit number and phase	Circuit designation	Type of wiring	Reference method	No of points served	Circuit conductors csa			Overcurrent protective device					RCD	Maximum permitted Zs (Ω)	
					Live mm <sup>2</sup>	cpc mm <sup>2</sup>	Max permitted disconnection times (s)	BS(EN)	AFDD	Type	Rating (A)	Short circuit capacity (kA)			Operating current (ΔIn)
1/L1	Lights Block 1-6 Stairs	A	101	6	1.5	1	0.4	60898 MCB		B	6	6	N/A	7.28	
2/L1	Lights Blocks 7-17	A	101	10	1.5	1	0.4	60898 MCB		B	6	6	N/A	7.28	
3/L1	Outside Light Spurs	A	101	3	1.5	1	0.4	60898 MCB		B	6	6	N/A	7.28	
4/L1	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	
5/L1	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	
6/L1	RCD Module (Split Board)	-	-	-	-	-	-	-	-	-	-	-	-	-	
7/L1	Sockets Block 1-6 Stairs	A	101	3	4	2.5	0.4	60898 MCB		B	32	6	30	1.37	
8/L1	Sockets Blocks 7-17 Stairs	A	101	5	4	2.5	0.4	60898 MCB		B	32	6	30	1.37	
9/L1	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	
10/L1	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	
11/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

Board Tests

TO BE COMPLETED IN EVERY CASE Correct supply polarity confirmed <input checked="" type="checkbox"/> Phase sequence confirmed (where appropriate) <input checked="" type="checkbox"/> Supplementary Conductors <input checked="" type="checkbox"/>		TEST INSTRUMENTS (SERIAL NUMBERS) USED Earth fault loop impedance N/A RCD N/A Insulation resistance N/A Multi-function 7001639 Continuity N/A Other N/A	
ONLY TO BE COMPLETED IF THE DISTRIBUTION BOARD IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION Zs N/A Ω Ipfc N/A kA Operating times of associated RCD (if any) At IΔn N/A ms			


Details of circuits and/or equipment vulnerable to damage

All ccts.

Circuit Tests

Circuit number and phase	Circuit Impedances Ω					Insulation resistance					Polarity (V)	Maximum measured earth fault loop impedance Ω	RCD			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	AFDD Test button operation	
	r1 (Line)	rN (Neutral)	r2 (cpc)	(R1 + R2)	(R2)											
1/L1	N/A	N/A	N/A	0.73	N/A	250		200	200	200	✓	1.11	N/A	N/A		NO
2/L1	N/A	N/A	N/A	1.29	N/A	250		200	200	200	✓	1.68	N/A	N/A		NO
3/L1	N/A	N/A	N/A	LIM	N/A	250		200	200	200	✓	LIM	N/A	N/A		NO
4/L1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5/L1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6/L1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7/L1	N/A	N/A	N/A	0.33	N/A	250		200	200	200	✓	0.75	28	✓		NO
8/L1	N/A	N/A	N/A	0.39	N/A	250		200	200	200	✓	0.81	28	✓		NO
9/L1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10/L1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11/L1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Tested By

Signature  Position **Electrical test engineer**  
 Name **Mark Smith** Date of testing **15/11/2019**

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	<input type="text" value="Citygate Block"/>	Supply to distribution board is from:	<input type="text" value="N/A"/>		Associated RCD (if any)
Distribution board designation	<input type="text" value="DB LL2"/>	No of phases	<input type="text" value="N/A"/>	Nominal Voltage	<input type="text" value="N/A"/> V
		Overcurrent protective device for the distribution circuit			BS(EN)
		Type BS(EN)	<input type="text" value="N/A"/>	Rating	<input type="text" value="N/A"/> A
					RCD No of Poles
					RCD Rating
					<input type="text" value="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 mm <sup>2</sup>	cpc mm <sup>2</sup>		BS(EN)	AFDD	Type	Rating (A)	Short circuit capacity (kA)	Operating current (ΔIn)		
1/L1	Lights Stairs	A	101	7	1.5	1	0.4	60898 MCB		B	6	10	30	7.28	
2/L1	Smoke Detectors	A	101	5	1.5	1	0.4	60898 MCB		B	6	10	30	7.28	
3/L1	Lights Outside	A	101	3	1.5	1	0.4	60898 MCB		B	6	10	30	7.28	
4/L1	Spurs left of DB	A	101	2	2.5	1.5	0.4	60898 MCB		B	16	10	30	2.73	
5/L1	Door Call Spur	A	101	1	2.5	1.5	0.4	60898 MCB		B	16	10	30	2.73	
6/L1	Sockets Stairs	A	101	2	2.5	1.5	0.4	60898 MCB		B	16	10	30	2.73	
7/L1	Gate Supply	A	101	1	4	2.5	0.4	60898 MCB		B	16	10	30	2.73	
8/L1	Solar PU Isolator	G	C	1	4	4	0.4	60898 MCB		B	16	10	30	2.73	

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

<b>Board Tests</b>	
TO BE COMPLETED IN EVERY CASE	
Correct supply polarity confirmed <input checked="" type="checkbox"/>	Phase sequence confirmed (where appropriate) <input checked="" type="checkbox"/>
Supplementary Conductors <input checked="" type="checkbox"/>	
ONLY TO BE COMPLETED IF THE DISTRIBUTION BOARD IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION	
Zs <input type="text" value="N/A"/> Ω    Ipf <input type="text" value="N/A"/> kA	
Operating times of associated RCD (if any) At IΔn <input type="text" value="N/A"/> ms	
TEST INSTRUMENTS (SERIAL NUMBERS) USED	
Earth fault loop impedance <input type="text" value="N/A"/>	RCD <input type="text" value="N/A"/>
Insulation resistance <input type="text" value="N/A"/>	Multi-function <input type="text" value="7001639"/>
Continuity <input type="text" value="N/A"/>	Other <input type="text" value="N/A"/>

**Details of circuits and/or equipment vulnerable to damage**

All ccts.

**Circuit Tests**

Circuit number and phase	Circuit Impedances Ω					Insulation resistance					Polarity (✓)	Maximum measured earth fault loop impedance Ω	RCD			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	AFDD Test button operation	
	r <sub>1</sub> (Line)	r <sub>n</sub> (Neutral)	r <sub>2</sub> (cpc)	(R <sub>1</sub> + R <sub>2</sub> )	(R <sub>2</sub> )											
1/L1	N/A	N/A	N/A	1.16	N/A	250		200	200	200	✓	1.48	39	✓		NO
2/L1	N/A	N/A	N/A	1.39	N/A	250		200	200	200	✓	1.72	39	✓		NO
3/L1	N/A	N/A	N/A	LIM	N/A	250		200	200	200	✓	LIM	39	✓		NO
4/L1	N/A	N/A	N/A	0.01	N/A	250		200	200	200	✓	0.33	39	✓		NO
5/L1	N/A	N/A	N/A	0.10	N/A	250		200	200	200	✓	0.42	39	✓		NO
6/L1	N/A	N/A	N/A	0.13	N/A	250		200	200	200	✓	0.44	39	✓		NO
7/L1	N/A	N/A	N/A	0.09	N/A	250		200	200	200	✓	0.40	39	✓		NO
8/L1	N/A	N/A	N/A	0.02	N/A	250		200	200	200	✓	0.32	39	✓		NO

**Tested By**

Signature Position

Name  Date of testing



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

this report and the appropriate corrective actions taken.

## Observations Continued from Page 2

Item No	Description	Code
6	The installation has wiring colours to two versions of BS7671. No warning notice fitted.	C3
7	Incorrect RCD test label used	C3
8	INFO: Unable to test outside lights due to photocells	N/A
9	4.0 CONSUMER UNIT(S) / DISTRIBUTION BOARD(S) 4.4 Condition of enclosure(s) in terms of fire rating etc. (421.1.201; 526.5)	C3
10	4.0 CONSUMER UNIT(S) / DISTRIBUTION BOARD(S) 4.8 Manual operation of circuit-breakers and RCDs to prove disconnection (643.10)	C3
11	4.0 CONSUMER UNIT(S) / DISTRIBUTION BOARD(S) 4.9 Correct identification of circuit details and protective devices (514.8.1; 514.9.1)	C3
12	4.0 CONSUMER UNIT(S) / DISTRIBUTION BOARD(S) 4.10 Presence of RCD six-monthly test notice at or near consumer unit/distribution board (514.12.2)	C3
13	4.0 CONSUMER UNIT(S) / DISTRIBUTION BOARD(S) 4.11 Presence of non-standard (mixed) cable colour warning notice at or near consumer unit/distribution board (514.14)	C3
14	4.0 CONSUMER UNIT(S) / DISTRIBUTION BOARD(S) 4.13 Presence of other required labelling (please specify) (Section 514)	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

**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 F1) 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.