ELECTRICAL INSTALLATION CONDITION REPORT

REQUIREMENTS FOR ELECTRICAL INSTALLATIONS - BS 7671 (IET Wiring Regulations)

REPORT No. 723

(A) DETAILS OF THE PERSON ORDERING THE WORK

Name: COLIN TOMNEY (AGENTS)

Address: STIRLING STREET, AIRDRIE

(B) REASON FOR PRODUCING THIS REPORT

E.I.C.R

Date(s) on which the inspection and testing was carried out: 1-11-2024

(C) DETAILS OF THE INSTALLATION WHICH IS THE SUBJECT OF THIS REPORT

✓ tick box(es) where applicable

Occupier: RENTER

Installation address: 24 ANDERSON STREET, AIRDRIE

DESCRIPTION OF PREMISES: Residential ☑ Commercial ☐ Industrial ☐ Other ☐ Description:

Estimated age of wiring system: 30 years Evidence of additions or alterations: Yes ☐ No ☐ Not apparent ☑

If 'Yes', estimate age and give details:

Date of last inspection: FEB 23 Installation records available (Regulation 651.1): Yes ☑ No ☐ Records held by: AGENTS

(D) EXTENT AND LIMITATIONS OF THE INSPECTION AND TESTING

Extent of the electrical installation covered by this report: ALL CIRCUITS FROM CONSUMER UNIT

Agreed limitations including the reason(s), (Regulation 653.2): NONE

Agreed with:

Operational limitations including the reason(s), (see page No(s).): NONE

The inspection and testing detailed in this report and accompanying schedules have been carried out in accordance with BS 7671:2018 (IET Wiring Regulations), as amended to

NOTE: 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 the inspector prior to the inspection. An inspection should be made within an accessible roof space housing other electrical equipment.

(E) SUMMARY OF THE CONDITION OF THE INSTALLATION

The general condition of the installation (in terms of electrical safety) is: ADEQUATE

Additional pages were used to compile the summary of this installation. ~~Yes~~/No* See page(s)

The overall assessment of the installation (in terms of electrical safety) is: SATISFACTORY/~~UNSATISFACTORY~~

NOTE: An UNSATISFACTORY assessment indicates that one or more dangerous (Code C1) and/or potentially dangerous (Code C2) conditions have been identified.

(F) RECOMMENDATIONS

Where the overall assessment of the suitability of the installation for continued use (see E) is stated as UNSATISFACTORY, I/We* recommend that any observations classified as *'Danger present'* (Code C1) or *'Potentially dangerous'* (Code C2) are acted upon as a matter of urgency. Investigation without delay is recommended for observations recommended as *'Further investigation required'* (Code FI). Observations classified as *'Improvement recommended'* (Code C3) should be given due consideration.

Subject to the necessary remedial action being taken, I/We* recommend that this installation is further inspected and tested by this date: OCT. 2029

(G) DECLARATION

I/We*, being the person(s) responsible for the inspection and testing of the electrical installation (as indicated by my/our* signatures below), particulars of which are described above, having exercised reasonable skill and care when carrying out the inspection and testing, hereby declare that the information in this report, including the Observations (See K) and the 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.

INSPECTED AND TESTED BY:

Name (Capitals): STEPHEN YORKE

Signature: [signature]

For/on behalf of: ELVAN ELECTRICAL

Position: APPROVED ELECTRICIAN

Address: 9, ELVAN TOWER, MOTHERWELL, ML1 1YT

Date:

REPORT REVIEWED AND CONFIRMED BY:

Name (Capitals):

Signature:

For/on behalf of:

Position:

Address:

Date:

(H) SCHEDULE(S)

THE SCHEDULES IDENTIFIED BELOW ARE AN ESSENTIAL PART OF THIS REPORT, SO THIS REPORT IS ONLY VALID WHERE ALL OF THE SCHEDULES IDENTIFIED ARE ATTACHED TO IT.

Inspections schedule(s), page nos.: 3, 4, 5 & 6 Schedule(s) of Circuit Details and Test Results, page nos.: 7 + 8

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ELECTRICAL INSTALLATION CONDITION REPORT

REPORT No. 723

(I) SUPPLY CHARACTERISTICS AND EARTHING ARRANGEMENTS

✔ tick box(es) where applicable

System type(s): TN-S ☑ TN-C-S ☐ TT ☐ TN-C ☐ IT ☐

Number of live conductors: 2 / ~~3~~ / ~~4~~*

Type of live conductors: AC / ~~DC~~*

Notes: (1) by enquiry (2) by enquiry or by measurement ✓

Nature of Supply:
No. of phases: ONE
No. of sources (to be detailed on attached schedules): ONE
Supply polarity confirmed: ✓

Nominal voltage (1): U ..... (V) U_o 230 (V) Nominal frequency (f)(1): 50 Hz

Prospective fault current, I_{pf} (earth fault/short-circuit)(2): ..... kA External earth fault loop impedance (Z_e)(2): ..... Ω

Supply Protective Device: BS (EN): 1361 Type: II Rated current/Current setting (I_n) 100 A Short-circuit capacity 33 kA

(J) PARTICULARS OF INSTALLATION REFERRED TO IN THE CERTIFICATE

✔ tick box(es) where applicable

Means of Earthing: Distributor's Facility ☑ Installation Earth Electrode ☐

Maximum Demand (load): ..... kVA / Amps per phase

Details of Installation Earth Electrode:

Location: N/A Type (rod(s), tape etc.): .....

Electrode Resistance to Earth (R_A): ..... Ω Method of Measurement: .....

Main Protective Conductors ✔ tick box(es) where applicable

Earthing conductor: Material: COPPER csa: 16 mm² Continuity and connection(s) verified ☑

Main protective bonding conductor(s): (to extraneous-conductive-parts): Material: COPPER csa: 10 mm² Continuity and connection(s) verified ☑

To: Water installation pipes ☑ Gas installation pipes ☑ Oil installation pipes ☐
Lightning protection ☐ Structural Steel ☐ Other ☐ specify: .....

Main Switch/Switch-fuse/Fuse-switch/Circuit-breaker/RCD Location: CUPBOARD IN LIVING ROOM

BS (EN) 60947-3 Type: B No. of poles: 2 Current Rating: 100 A Fuse/Device rating or setting: ..... A Voltage Rating: 230 V

RCD Type: B Rated residual operating current ($I_{\Delta n}$) : 30 mA Rated time delay: ..... ms

Measured operating time: ..... ms

NOTE: Applicable only where the RCD is suitable and used as a main switch.

(K) OBSERVATIONS

Referring to the attached inspection schedule(s) and schedule(s) of circuit details and test results, and subject to the limitations specified at the EXTENT AND LIMITATIONS OF THE INSPECTION AND TESTING (Section D):

No remedial action is required ☑ The following observations are made ☐

Item No.	Observation(s) - Include schedule reference, as appropriate	CLASSIFICATION CODE

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.

Items that require action:

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

C2 - Potentially dangerous. Urgent remedial action required.

C3 - Improvement recommended.

FI - Further investigation required without delay.

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INSPECTION SCHEDULE FOR ELECTRICAL INSTALLATIONS

REPORT No. 723

Other than domestic or similar

OUTCOMES	Acceptable condition		Unacceptable condition	State C1 or C2	Improvement recommended	State C3	Not Verified	N/V	Limitation	LIM	Not applicable	N/A	Further investigation required	FI

1.0 EXTERNAL CONDITION OF INTAKE EQUIPMENT (VISUAL INSPECTION ONLY)

Where inadequacies in intake equipment are encountered, it is recommended that the person ordering the report informs the appropriate authority.

		* Outcome	Comments and/or location
1.1	Service cable	✓	
1.2	Service head	✓	
1.3	Earthing arrangements	✓	
1.4	Meter tails	✓	
1.5	Metering equipment	✓	
1.6	Isolator (where present)	N/A	

2.0 PRESENCE OF ADEQUATE ARRANGEMENTS FOR PARALLEL OR SWITCHED ALTERNATIVE SOURCES

2.1	Adequate arrangements where a generating set operates as a switched alternative to the public supply (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)	✓	
	i) 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)	✓	
	ii) Adequacy of earthing conductor size (542.3; 543.1.1)	✓	
	iii) Adequacy of earthing conductor connections (542.3.2)	✓	
	iv) Accessibility of earthing conductor connections (543.3.2)	✓	
	v) Adequacy of main protective bonding conductor sizes (544.1)	✓	
	vi) Adequacy and location of main protective bonding conductor connections (543.3.2; 544.1.2)	✓	
	vii) Accessibility of all protective bonding connections (543.3.2)	✓	
	viii) Provision of earthing/bonding labels at all appropriate locations (514.13)	N.V.	
3.2	FELV - requirements satisfied (411.7; 411.7.1)	N/A	

4.0 OTHER METHODS OF PROTECTION

(Where any of the methods listed below are employed details should be provided on separate sheets)

4.1	Non-conducting location (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)	✓	
4.5	Reinforced insulation (Section 412)	N/A	

5.0 DISTRIBUTION EQUIPMENT

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)	✓	

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Other than domestic or similar

OUTCOMES	Acceptable condition		Unacceptable condition	State C1 or C2	Improvement recommended	State C3	Not Verified	N/V	Limitation	LIM	Not applicable	N/A	Further investigation required	FI

		* Outcome	Comments and/or location
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)	✓	
5.10	Operation of main switch(es) (functional check) (643.10)	✓	
5.11	Manual operation of circuit-breakers, RCDs and AFDDs to prove functionality (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)	✓	
5.14	RCD(s) provided for additional protection/requirements, where required - includes RCBOs (411.3.3; 415.1)	✓	
5.15	Presence of RCD six-monthly test notice, 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 alternative supply warning notice at or near equipment, where required (514.15)	N/A	
5.18	Presence of next inspection recommendation label (514.12.1)	✓	
5.19	Presence of other required labelling (please specify) (Section 514)	N/A	
5.20	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)	✓	
5.21	Single-pole switching or protective devices in line conductors only (132.14.1; 530.3.3)	✓	
5.22	Protection against mechanical damage where cables enter equipment (522.8.1; 522.8.5; 522.8.11)	✓	
5.23	Protection against electromagnetic effects where cables enter ferromagnetic enclosures (521.5.1)	✓	
5.24	Other (state)	N/A	

6.0 DISTRIBUTION CIRCUITS

6.1	Identification of conductors (514.3.1)	N/A	
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)	N/A	
6.5	Suitability of containment systems for continued use (including flexible conduit) (Section 522)	N/A	
6.6	Cables correctly terminated in enclosures (Section 526)	✓	
6.7	Confirmation that ALL conductor connections, including connections to busbars, are correctly located interminals 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)	✓	
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)	N/A	
6.15	Cables concealed under floors, above ceilings, in walls/partitions less than 50 mm from a surface, and in partitions containing metal parts	✓	
	i) installed in prescribed zones (see Section D. Extent and limitations) (522.6.202) or	✓	
	ii) 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 D. 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)	N/A	
6.18	Cables segregated/separated from non-electrical services (528.3)	N/A	

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Other than domestic or similar

OUTCOMES	Acceptable condition		Unacceptable condition	State C1 or C2	Improvement recommended	State C3	Not Verified	N/V	Limitation	LIM	Not applicable	N/A	Further investigation required	FI

		* Outcome	Comments and/or location
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)	✓	
6.26	Other (state)	N/A	

7.0 FINAL CIRCUITS

7.1	Identification of conductors (514.3.1)	N/A	
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)	N/A	
7.5	Suitability of containment systems for continued use (including flexible conduit) (Section 522)	N/A	
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)	✓	
7.8	Presence and adequacy of circuit protective conductors (411.3.1.1; 543.1)	✓	
7.9	Coordination 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, adequately protected against damage (522.6.201; 522.6.202; 522.6.203; 522.6.204)	✓	
	i) installed in prescribed zones (see Section D. Extent and limitations) (522.6.202)	✓	
	ii) 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 D. Extent and limitations) (522.6.201; 522.6.204)	✓	
7.12	Provision of additional protection by 30 mA RCD	✓	
	i) *for all socket-outlets of rating 32 A or less, unless an exception is permitted (411.3.3)	✓	
	ii) *for the supply of mobile equipment not exceeding 32 A rating for use outdoors (411.3.3)	✓	
	iii) *for cables concealed in walls at a depth of less than 50 mm (522.6.202; 522.6.203)	✓	
	iv) *for cables concealed in walls/partitions containing metal parts regardless of depth (522.6.203)	✓	
	v) *for final circuits supplying luminaires within domestic (household) premises (411.3.4)	✓	
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)	N/A	
7.15	Cables segregated/separated from non-electrical services (528.3)	N/A	
7.16	Termination of cables at enclosures – identify/record numbers and locations of items inspected (Section 526)	✓	2 Sockets Hall + Kitchen 2 Switches " "
	i) Connections under no undue strain (526.6)	✓	
	ii) No basic insulation of a conductor visible outside enclosure (526.8)	✓	
	iii) Connections of live conductors adequately enclosed (526.5)	✓	
	iv) 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)	✓	
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)	✓	
7.20	Other (state)	N/A	

*Note: Older installations designed prior to BS 7671:2018 may not have been provided with RCDs for additional protection.

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INSPECTION SCHEDULE FOR ELECTRICAL INSTALLATIONS

REPORT No. 123

Other than domestic or similar

OUTCOMES	Acceptable condition		Unacceptable condition	State C1 or C2	Improvement recommended	State C3	Not Verified	N/V	Limitation	LIM	Not applicable	N/A	Further investigation required	FI

8.0 ISOLATION AND SWITCHING

		* Outcome	Comments and/or location
8.1	Isolators (Sections 460; 537)	N/A	
	i) Presence and condition of appropriate devices (Section 462; 537.2.7)	N/A	
	ii) Acceptable location – state if local or remote from equipment in question (Section 462; 537.2.7)	N/A	
	iii) Capable of being secured in the OFF position (462.3)	N/A	
	iv) Correct operation verified (643.10)	N/A	
	v) Clearly identified by position and/or durable marking (537.2.6)	N/A	
	vi) 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)	N/A	
	i) Presence and condition of appropriate devices (464.1; 537.3.2)	N/A	
	ii) Acceptable location – state if local or remote from equipment in question (537.3.2.4)	N/A	
	iii) Capable of being secured in the OFF position (462.3)	N/A	
	iv) Correct operation verified (643.10)	N/A	
	v) Clearly identified by position and/or durable marking (537.3.2.4)	N/A	
8.3	Emergency switching/stopping (Section 465; 537.3.3)	N/A	
	i) Presence and condition of appropriate devices (Section 465; 537.3.3; 537.4)	N/A	
	ii) Readily accessible for operation where danger might occur (537.3.3.6)	N/A	
	iii) Correct operation verified (643.10)	N/A	
	iv) Clearly identified by position and/or durable marking (537.3.3.6)	N/A	
8.4	Functional switching (Section 463; 537.3.1)	N/A	
	i) Presence and condition of appropriate devices (537.3.1.1; 537.3.1.2)	N/A	
	ii) Correct operation verified (537.3.1.1; 537.3.1.2)	N/A	
8.5	Other (state)	N/A	

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)	✓	
	i) Correct type of lamps fitted (559.3.1)	✓	
	ii) Installed to minimise build-up of heat by use of "fire rated" fittings, insulation displacement box or similar (421.1.2)	✓	
	iii) No signs of overheating to surrounding building fabric (559.4.1)	✓	
	iv) No signs of overheating to conductors/terminations (526.1)	✓	
9.8	Other (state)	N/A	

10.0 PART 7 SPECIAL INSTALLATIONS OR LOCATIONS

10.1	If any special installations or locations are present, list the particular inspections applied, and issue additional inspection schedule(s) on separate pages.	✓	
10.2	Other (state)	N/A	

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SCHEDULE OF CIRCUIT DETAILS

Cert./Report* No: 723

Distribution board (DB) / Consumer unit (CU) details:

DB reference: A Location: CUPBOARD - LIVING ROOM Supplied from: METER / CUT-OUT

Distribution circuit OCPD: BS (EN): 1361 Type: II b Rating/Setting: 100 A

SPD Details: Type(s)*: T1 ☐ T2 ☐ T3 † ☐ N/A ☒

Main Switch/Switch-fuse/ Fuse-switch/Circuit-breaker/RCD

Make: LVE BS (EN): 60947-3

Type: B Number of poles: 2

Voltage rating: 230 V Rated current (I_n): 100 A

CIRCUIT DETAILS

Circuit number	Circuit description	Conductor details: Type of wiring	Reference method ‡	Number of points served	Number & size: Live (mm²)	Number & size: cpc (mm²)	Overcurrent protective device: BS (EN)	Type	Rating (A)	Breaking capacity (kA)	Maximum permitted Z_s (Ω) §	RCD: BS (EN)	Type	$I_{\Delta n}$ (mA)	Rating (A)
	R.C.D. (1)														
1	COOKER	A	1	1	6.0	2.5	60898	B	32	6	4	61008	B	30	63
2	SOCKETS	A	1	11	2.5	1.0	60898	B	32	6	2	61008	B	30	63
3	SMOKIES	A	1	5	1.0	0.75	60898	B	6	6	6	61008	B	30	63
	R.C.D. (2)														
4	SOCKETS KITCHEN	A	1	7	2.5	1.0	60898	B	32	6	2	61008	B	30	63
5	SHOWER	A	1	1	6.0	2.5	60898	B	32	6	4	61008	B	30	63
6	LIGHTS	A	1	13	1.5	0.75	60898	B	6	6	6	61008	B	30	63

CODES FOR TYPES OF WIRING

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 - please state

* SPD Type. Where a combined T1 + T2 or T2 + T3 device is installed, indicate by ticking both Type boxes.

† Where a T3 SPD is installed to protect sensitive equipment, enter details in the 'Remarks' column on the Schedule of Test Results. (See Section 534 of BS 7671:2018+A2:2022.)

‡ See Table 4A2 of Appendix 4 of BS 7671:2018+A2:2022.

§ Where the 'Maximum permitted (Z_s) value' (for earth fault loop impedance) is taken from a source other than the tabulated values given in Chapter 41 of BS 7671:2018+A2:2022, state the source of the data in the appropriate cell for the circuit in the 'Remarks' column on the Schedule of Test Results.

This schedule is based on the model in Appendix 6 of BS 7671:2018+A2:2022

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SCHEDULE OF TEST RESULTS

Cert./Report* No: 723

Distribution board (DB) / Consumer unit (CU) details:

DB reference: A Z_{db} 0.12 Ω

Confirmed: Correct polarity ☑ Phase sequence ☐

SPD: Operational status confirmed¶ ☐ N/A ☒

Fault level(s), I_{pf}:

1 ϕ 1.90 kA

3 ϕ ..... kA

TEST RESULT DETAILS

Circuit number	Continuity (Ω)					Insulation resistance			Polarity #	Z_s (Ω)	RCD		AFDD
	Ring final circuit			$(R_1 + R_2)$ or R_2									
	r_1 (line) (Ω)	r_n (neutral)	r_2 (cpc)	$(R_1 + R_2)$	R_2	Test voltage (V)	Live - Live (MΩ)	Live - Earth (MΩ)		Maximum measured	Disconnection time (ms) **	Test button operation	Manual test button operation ††
1				0.34		250	> 20	> 20	✓	0.46	9	T	
2	0.23	0.23	0.48	0.69		250	> 20	> 20	✓	0.81	9	T	
3				0.86		250	> 20	> 20	✓	0.98	9	T	
4	0.16	0.16	0.35	0.47		250	> 20	> 20	✓	0.59	9	T	
5				0.34		250	> 20	> 20	✓	0.46	9	T	
6				0.86		250	> 20	> 20	✓	0.98	9	T	

Remarks

Include details of circuits and/or installed equipment vulnerable to damage when testing

(continue on a separate sheet if necessary)

Tested by name (Capitals): STEPHEN YORKE

Signature: ..... Date: 1.11.2024

Details of test instruments used (serial and/or asset numbers)

Multifunction: M.F.T. 1710

Continuity: .....

Insulation resistance: .....

Earth fault loop impedance: .....

RCD: .....

Earth electrode resistance: .....

¶ Not all SPDs have visible functionality indication.

Where this schedule is issued with an Electrical Installation Condition Report, and incorrect polarity is identified, an 'X' should be entered.

** RCD effectiveness is verified using an alternating current test at rated residual operating current ($I_{\Delta n}$).

†† Not all AFDDs have a test button.

This schedule is based on the model in Appendix 6 of BS 7671:2018+A2:2022

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