

ELECTRICAL INSTALLATION CONDITION REPORT

Cert No.

25

COMPANY / INSTALLER		DETAILS OF INSTALLATION		LANDLORD/AGENT DETAILS	
Engineer		Name		Name	
Company		Address		Address	
Address		Postcode		Postcode	
Tel No.		Mobile		Mobile	
Email		Email		Email	
Electrical Reg. No					

Signature

REASONS FOR PRODUCING THIS REPORT

clients request

DETAILS OF THE INSTALLATION WHICH THE SUBJECT OF THIS REPORT

Occupier	Owner	Address						
Description of premises: Domestic <input checked="" type="checkbox"/> Commercial <input type="checkbox"/> N/A <input type="checkbox"/> Industrial <input type="checkbox"/> N/A <input type="checkbox"/> Other <input type="checkbox"/>								
Estimated age of the wiring system (years)	25	Evidence of additions or alterations:	N/A <input type="checkbox"/> Not apparent <input type="checkbox"/> N/A <input type="checkbox"/> If yes, estimated age	25	Installation records available	No <input type="checkbox"/>	Date of last inspection	31/10/2024

EXTENT OF THE ELECTRICAL INSTALLATION COVERED BY THIS REPORT

Extent of the electrical installation covered by this report	25% of fixed wire installation and 20% visual inspection of accessories.
Agreed limitations including the reasons (see regulations 653.2)	installation does complies with regulations
Limitations agreed with	Client
Position (if applicable)	Electrician

SUMMARY OF THE CONDITION OF THE INSTALLATION

General conditions of the installation	Does Complies with bs7671	
Overall Assessment of the Installation	Satisfactory	Alternative Source of Supply

F. RECOMMENDATIONS

Where overall assessment of the suitability of the installation for continued use on page 1 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 urgent investigation without delay. For observations identified as 'Requiring further investigation' or Observations classified as 'improvement recommended' (Code C3) should be given due consideration

Subject to the necessary remedial action being taken, I/we recommend that the installation is further inspected and tested by

31/10/2029

G. DECLARATION

I/We, being the person(s) responsible for the inspection and testing of the electrical installation (as indicated by my/our signature(s) 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 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		Report authorised for issue by	
Signature		Address	
Position	Electrician	Name	
		Signature	
		Enrolment No.	

H. DECLARATION

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

Schedule(s) of inspection



Schedule(s) of test results attached



SUPPLY CHARACTERISTICS AND EARTHING ARRANGEMENTS

TN-S

N/A

IT

N/A

TN-C-S

N/A

TN-C

N/A

TT

✓

1-Phase (2 Wire)

✓

3-Phase (3 Wire)

N/A

a.c.

N/A

2 wire

N/A

2-Phase (3 Wire)

N/A

3-Phase (4 Wire)

N/A

d.c.

N/A

3 wire

N/A

Confirmation of supply polarity:

✓

Nature of Supply Parameters

Nominal Voltage(s):

U/Uo

230 V

50 Hz

30.2 Ω

2

Supply Protective Device

BS(EN):

Type

Rated Current

Short circuit capacity

Confirmation of supply polarity

BS 88

Ac

60 A

16 kA

✓

Earthings

Earthing conductor

Conductor Material

Conductor CSA

Continuity Check

Confirmation of supply polarity

Main protective bonding conductor

Conductor Material

Conductor CSA

Continuity Check

Confirmation of supply polarity

Main Bonding

Water installation pipes

Gas installation pipes

Oil installation pipes

Structural Steel

Other Services (list in report notes)

✓

N/A

✗

N/A

Type BS (EN)

No. Poles

Voltage rating

Rated Current in

Supply Conductor material

60947-3 Isolator

2

230

N/A

Copper

Main switch/switch-fuse/circuit breaker/rcd

Supply Conductor CSA

RCD IΔn operating current

Rated time delay

RCD at IΔn operating time

25

K. OBSERVATIONS

Item No

Observation

Classification Code

1

cables concealed due to floorboards up

C3

2

consumer to near waste pipe

C2

3

bathroom downlight no correct ipx4 permitted

C2

4

socket on fault high reading line to cpc

C2

5

cpc on ring no reading from db1

C2

6

reading high on ir sockets

C2

6

7

8

9

10

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

Immediate remedial action required for items

0

Urgent remedial action for required items


5

Improvement recommended for items

1

Further investigation required for items

0

Distribution Board Details for																															
DB Ref:	Db1	Zs at this board (Ω):			0.45	Ipf at this board (kA)			.67	Main switch type BSEN			Bs88	Rating (amps)			100	Supply (mm²)			25	Earth (mm²)			25						
Distribution board location	Entrance	Phase sequence confirmed			1.0	Supplied from			Main Board	No. Of Phases			Single	Supply protective device type (BSEN)			BS88 Fuse HRC - Type gG	Rating			60	SPD details			T1						
Circuit Details																															
Circuit Reference	Circuit Designation	Type of wiring	Reference method	Number of points served	Circuit conductors			Overcurrent Protective Device					RCD			Continuity Ω				Insulation Resistance					RCD			AFDD			
					Live (mm²)	epc (mm²)	Max disconnection time	Type BS (EN)	Type	Short circuit capacity	Rating (A)	Max permitted Zs(Ω)	Type BS (EN)	Type	I _{Δn} (mA)	Rating (A)	r ₁	r _n	r ₂	R ₁ , R ₂	R ₂	Insulation resistance test voltage V	Live - Live	Live - Neutral	Live - Earth	Neutral - Earth	Polarity	Maximum measured Zs (Ω)	Disconnection time (ms)	RCD test button/functionality	Manual AFD test button/functionality
Lights	Sockets	B	B	6	1.5	1.0	0.4	BS 60898	B	6	6	7.36	N/A	A	18.6	60				3.23		500	999	999	999		✓	7.34	0.4	N/A	
Cooker	Cooker	B	C	2	6.0	2.5	0.4	BS 60898	B	6	32	1.36	61008	A	12.4	32				0.45		500	999	999	999		✓	1.36	0.4	Fail	
Shower	Bathroom Shower	B	C	2	6.0	6.0	0.4	BS 60898	B	6	32	1.36	N/A	A	16.4	60				0.56		500	999	999	999	999	✓	1.36	15.4	Fail	
Light	Lights	A	101	3	1.5	1.0	0.4	BS 60898	B	6	6	5.34	61008	AC	30	N/A	N/A	N/A	N/A	1.78	N/A	500	N/A	999	999	767	✓	1.76	16.4	Fail	N/A
Ring	Radial Circuit	A	101	7	2.5	1.5	0.4	BS 61009	B	6	16	2.18	61008	AC	30	N/A	N/A	N/A	N/A	N/A	N/A	500	N/A	421	999	879	✓	2.34	45.3	Pass	N/A
Test Instruments Used																															
Earth fault loop impedance	125684															RCD			N/A												
Insulation resistance	N/A															MFT			N/A												
Continuity	N/A															Other			N/A												
Name	Shocked electrical															Date			19/11/2024												
Signature																															
Item No.	Description	Outcome	Item No.	Description	Outcome																										
1.0	Condition and adequacy of distributors or supply intake		5.0	Final Circuits																											
1.1	Condition of service cable	✓	5.1.	Identification of conductors (514.3.1)	✓																										
1.2	Condition of service head	✓	5.2.	Cables correctly supported throughout their run (521.10.202; 522.8.5)	✓																										
1.3	Condition of distributor's earthing arrangement	C1	5.3.	Condition of the insulation of live parts (416.1)	✓																										
1.4	Condition of meter tails - Distributor/consumer	✓	5.4.	Non-sheathed cables protected by enclosure in conduit, ducting, trunking (521.10.1)	C3																										
1.5	Condition of isolator (where present)	C3	5.5.	Adequacy of cables for current-carrying capacity with regard for the type and nature of installation (Section 523)	✓																										
2.0	Presence of adequate arrangements for the other sources such as micro generators	C2	5.6.	Co-ordination between conductors and overload protective devices (433.1; 533.2.1)	C3																										
3.0	Earthing and bonding arrangements (411.3 Chapter 54)		5.7.	Adequacy of protective devices: type and rated current for fault protection (411.3)	✓																										
3.1.	Presence and condition of distributor's earthing arrangement (542.1.2.1; 542.2.2)	C1	5.8.	Presence and adequacy of circuit protective conductors (411.3.1; Section 543)	✓																										
3.2.	Presence and condition of earth electrode connection where applicable (542.1.2.3)	C2	5.9.	Wiring system(s) appropriate for the type of nature of the installation and external influences (section 522)	✓																										
3.3.	Provision of earthing or bonding labels at all appropriate locations (514.13)	C3	5.10.	Concealed cables installed in prescribed zones - see section D of this report (522.6.202)	✓																										
3.4.	Adequacy of earthing conductor size (542.3, 543.1.1)	✓	5.11.	Concealed cables under floors, above ceilings or in walls/partitions, adequately protected against damage (522.6.204)	C2																										
3.5.	Accessibility and condition of earthing conductor at MET (543.3.2)	✓	5.12.	Provision of additional requirements for protection by RCD not exceeding 30 mA																											
3.6.	Adequacy of main protective bonding conductor sizes (544.1)	C2	*	For all socket-outlets of rating 32 A or less, unless an exception is permitted (411.3.3)	C2																										
3.7.	Adequacy of main protective bonding conductor connections (544.1.2, 543.3.2)	C2	*	For the supply of mobile equipment not exceeding 32 A rating for use outdoors (411.3.3)	C3																										
3.8.	Accessibility and condition of the other protective bonding connections (543.3.1; 543.3.2)	C3	*	For cables concealed in walls at a depth of less than 50 mm (522.6.202; 522.6.203)	LIM																										
4.0	Consumer unit or distribution board		*	For cables concealed in walls/partitions containing metals parts regardless of depth (522.6.203)	✓																										
4.1.	Adequacy of working space or accessibility to the consumer unit or distribution board (132.12, 513.1)	C3	*	Final circuits supplying luminaries within domestic (household) premises (411.3.4)	C2																										
4.2.	Security of fixing (134.1.1)	C3	5.13.	Provision of fire barriers, sealing arrangements and protection against thermal effects (Section 527)	C2																										
4.3.	Condition of enclosure(s) in terms of IP rating etc (416.2)	C2	5.14.	Band II cables segregated or separated from Band I cables (528.1)	C2																										
4.4.	Condition of enclosure(s) in terms of fire rating etc (421.1.201; 526.5)	C2	5.15.	Cables segregated or separated from communication cabling (528.2)	C2																										
4.5.	Enclosure not damaged or deteriorated so as to impair safety (651.2)	C2	5.16.	Cables segregated or separated from non-electrical services (528.3)	C2																										
4.6.	Presence of linked main switch (as required by 462.1.201)	✓	5.17.	Termination of cables at enclosures - indicate extent of sampling in Section D of the report (Section 526)																											
4.7.	Operation of main switch (functional check) (643.10)	C3	*	Connections under no undue strain (526.6)	C2																										
4.8.	Manual operation of circuit breakers and RCDs to prove disconnection (643.10)	✓	*	No basic insulation of a conductor visible outside of the enclosure (526.8)	C2																										
4.9.	Correct identification of circuit details and protective devices (514.8.1; 514.9.1)	✓	*	Connections of live conductors adequately enclosed (526.5)	✓																										
4.10.	Presence of RCD six-monthly test notice, where required (514.12.2)	C3	*	Adequately connected at the point of entry to enclosure (glands, bushes etc) (522.8.5)	✓																										
4.11.	Presence of alternative supply warning notice at or near consumer unit / distribution board (514.15)	✓	5.18.	Condition of accessories including socket-outlets, switches and joint boxes (651.2(v))	✓																										
4.12.	Presence of other required labelling (please specify) (section 514)	C3	5.19.	Suitability of accessories for external influences (section 512.2)	✓																										

Item No.	Description	Outcome	Item No.	Description	Outcome
4.13.	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)	C2	5.20.	Adequacy of working space/accessibility to equipment (132.12; 513.1)	LIM
4.14.	Single-pole switching or protective devices in line conductor only (132.14.1; 530.3.3)	✓	5.21.	Single-pole switching or protective devices in line conductors only (132.14.1, 530.3.2)	✓
4.15.	Protection against mechanical damage where cables enter consumer unit/distribution board (522.8.1; 522.8.5; 522.8.11)	C2	Item No.	Description	Outcome
4.16.	Protection against electromagnetic effects where cables enter consumer unit/distribution board/enclosures (521.5.1)	C2	6.0	Location(s) containing a bath or shower	
4.17	RCD(s) provided for fault protection - includes RCBOs (411.4.204; 411.5.2; 531.2)	✓	6.1.	Additional protection for all circuits by a 30mA RCD (not applicable if designed pre BS7671) (701.411.3.3)	✓
4.18	RCD(s) provided for additional protection/requirements - includes RCBOs (411.3.3; 415.1)	C2	6.2.	Where used as a protective measure, the requirements for SELV or PELV have been met (701.414.4.5)	C2
4.19	Confirmation of indication that SPD is functional (651.4)	C3	6.3.	Shaver supply units comply with BS EN 61558-2-5 formerly BS 3535 (701.512.3)	✗
4.20	Confirmation that ALL conductor connections, including connections to busbars, are correctly located in terminals and are tight and secure (526.1)	✓	6.4.	Presence of supplementary bonding conductors, unless not required by BS 7671:2018 (701.415.2)	✓
4.21	Adequate arrangements where a generating set operates as a switched alternative to the public supply (551.6)	✓	6.5.	Low voltage (e.g. 230V) socket-outlets sited at least 2.5m from zone 1 (701.512.3)	C2
4.22	Adequate arrangements where a generating set operates in parallel with the public supply (551.7)	✓	6.6.	Suitability of equipment for external influences for installed location in terms of IP rating (701.512.2)	C2
			6.7.	Suitability of equipment for installation in a particular zone (701.512.3)	N/A
			6.8.	Suitability of current-using equipment for particular position within the location (701.55)	N/A
			7.0	Other part 7 special installations or locations	
			7.1.	List all other special installations or locations present, if any.	C2
			8.0	Prosumer's low voltage electrical installation(s)	
			8.1.	Where the installation includes additional requirements and recommendations relating to Chapter 82, additional inspection items should be added to the checklist	N/A

List all other special installations or locations in present, if any. Details of circuits and/or installed equipment vulnerable to damage when testing and/or remarks

all works stated will have to comply with bs7671-2024 and eaw.
special note this had failed amd will need completed asap.

Remedial works completed

✓