

STROMA CERTIFICATION

ELECTRICAL INSTALLATION CONDITION REPORT



CERTIFICATE REFERENCE NUMBER: 642423JHS4OS

SECTION A. CLIENT DETAILS (FOR WHOM WILL RECEIVE THE REPORT)

Name Mr W H Huntley

Address Bramble Cottage Watling Street

Kilsby RUGBY

Postcode CV23 8YD

SECTION B. REASON FOR THE REPORT'S REQUEST

Property let to tenant

Date(s) of inspection and testing 5/10/2016

SECTION C. DETAILS OF THE INSTALLATION WHICH IS THE SUBJECT OF THIS REPORT

Occupier Tenant

Address 52, Kingfisher Way

LOUGHBOROUGH LE11 3NF

DESCRIPTION OF PREMISES (TICK AS APPROPRIATE)

Domestic ☒ Commercial ☐ Industrial ☐

Other (please specify)

Estimated age of wiring system 15 Years Years

Evidence of additions/alterations: Yes ☒ No ☐ Not apparent ☐

If yes, estimate age 5 Years years

Installation records available? (Regulation 621.1)

Yes ☐ No ☒

Date of last inspection (date)

SECTION F. RECOMMENDATIONS

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 design 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.

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

INSPECTED AND TESTED BY:

NAME (CAPITALS) A Ripley

SIGNATURE

STROMA NO. STR11259

FOR/ON BEHALF OF POSITION ACR Electrical

ADDRESS 1 Protheroe Road

Anstey LEICESTER

LE7 7UA

DATE 5/10/2016

SECTION D. EXTENT AND LIMITATIONS OF INSPECTION AND TESTING

Extent of the electrical installation covered by this report

All fixed wiring

Agreed limitations including the reasons (see Regulation 634.2)

The inspection and testing detailed in this report and accompanying schedules have been carried out in accordance with BS 7671: 2008 (IET Wiring Regulations as amended to

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.

SECTION E. SUMMARY OF THE CONDITION OF THE INSTALLATION

General condition of the installation (in terms of electrical safety)

Satisfactory

Overall assessment of the installation in terms of its suitability for continued use **SATISFACTORY** *(Delete as appropriate)

* An unsatisfactory assessment indicates that dangerous (code C1) and/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 FI). Observations classified as 'Improvement recommended (code C3)' should be given due consideration.

REPORT AUTHORISED FOR ISSUE BY:

NAME (CAPITALS) A Ripley

SIGNATURE

STROMA NO. STR11259

FOR/ON BEHALF OF POSITION ACR Electrical

ADDRESS 1 Protheroe Road

Anstey LEICESTER

LE7 7UA

DATE

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

TN-S ☐ TN-C-S ☒ TT ☐ IT ☐

a.c ☐ d.c ☐ 1-Phase, 2 Wire ☒ 2 Wire ☐
2 Phase, 3 Wire ☐ 3 Wire ☐ 3 Phase, 3 Wire ☐
3 Phase, 4 Wire ☐ Other ☐

Confirmation of supply polarity ☒

Nominal voltage, $U/U_0^{(1)}$ V

Nominal frequency, $f^{(1)}$ Hz

Prospective fault current, $I_{mf}^{(2)}$ 1.3 kA

External loop impedance, Z_o Ω

(Note: (1) by enquiry, (2) by enquiry or by measurement)

Type: 60947-2

Rated current: 100 A

Other sources of supply to be detailed on attached schedules

Distributor's Facility	<input checked="" type="checkbox"/>
Installation earth electrode	<input type="checkbox"/>

Type (e.g. rod(s), tape, etc)

Location Resistance to Earth Ω

Earthing conductor:

material	Copper
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csa 16mm mm² Continuity and connection verified ✓

material	Copper
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CSA 10mm mm² Continuity and connection verified ✓

To Water Installation pipe ☒ To Gas Installation Pipe ☒ To Oil Installation Pipe ☐

To structural steel ☐ To lightning protection ☐ To other incoming service(s) ☐

Specify

BS	60947-2	No. of poles	2
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Location	Cupboard in lounge
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Current rating A

Voltage rating V

Fuse / Device rating or setting	100	A
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Rated residual operating current $I_{\Delta n} = \boxed{} \text{ mA}$

Rated time delay ms

Measured operating time (at I_{A0}) ms

Referring to the attached schedules of inspection and test results, and subject to the limitations specified at the Extent and limitations of inspection and testing section. No remedial action is required ☒ The following observations are made ☐ (see below):

[illegible]

C1 – Danger present. Risk of injury. Immediate remedial action required - C2 – Potentially dangerous – urgent remedial action required
C3 – Improvement recommended - FI - Further investigation required.

SECTION K. OBSERVATIONS - CONTINUED

CERTIFICATE REFERENCE NUMBER: 642423JHS4OS

[illegible]

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 - C2 – Potentially dangerous – urgent remedial action required
C3 – Improvement recommended - FI - Further investigation required.

STROMA CERTIFICATION

CONDITION REPORT INSPECTION SCHEDULE

FOR DOMESTIC AND SIMILAR PREMISES WITH UP TO 100 A SUPPLY

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



CERTIFICATE REFERENCE NUMBER: 642423JHS40S

Outcomes	Acceptable condition	✓	Unacceptable condition	State C1 or C2	Improvement recommended	State C3	Further investigation	F1	Not verified	N/V	Limitation	LIM	Not applicable	N/A
ITEM NO	DESCRIPTION										OUTCOME (Use codes above. Provide additional comment where appropriate. C1, C2 and C3 and F1 coded items to be recorded in Section K of the Condition Report)			
1.0	DISTRIBUTOR'S / SUPPLY INTAKE EQUIPMENT													
1.1	Service cable condition										✓			
1.2	Condition of service head										✓			
1.3	Condition of tails – Distributor										✓			
1.4	Condition of tails – Consumer										✓			
1.5	Condition of metering equipment										✓			
1.6	Condition of isolator (where present)										✓			
2.0	PRESENCE OF ADEQUATE ARRANGEMENTS FOR OTHER SOURCES SUCH AS MICROGENERATORS (551.6; 551.7)										N/A			
3.0	EARTHING / BONDING ARRANGEMENTS (411.3; Chap 54)													
3.1	Presence and condition of distributor's earthing arrangement (542.1.2.1; 542.1.2.2)										✓			
3.2	Presence and condition of earth electrode connection where applicable (542.1.2.3)										N/A			
3.3	Provision of earthing / bonding labels at all appropriate locations (514.11)										✓			
3.4	Confirmation of earthing conductor size (542.3; 543.1.1)										✓			
3.5	Accessibility and condition of earthing conductor at MET (543.3.2)										✓			
3.6	Confirmation of main protective bonding conductor sizes (544.1)										✓			
3.7	Condition and accessibility of main protective bonding conductor connections (543.3.2; 544.1.2)										✓			
3.8	Accessibility and condition of all protective bonding connections (543.3.2)										✓			
4.0	CONSUMER UNIT(S) / DISTRIBUTION BOARD(S)													
4.1	Adequacy of working space / accessibility to consumer unit / distribution board (132.12; 513.1)										✓			
4.2	Security of fixing (134.1.1)										✓			
4.3	Condition of enclosure(s) in terms of IP rating etc (416.2)										✓			
4.4	Condition of enclosure(s) in terms of fire rating (526.5)										✓			
4.5	Enclosure not damaged/deteriorated so as to impair safety (621.2(iii))										✓			
4.6	Presence of main linked switch (as required by 537.1.4)										✓			
4.7	Operation of main switch (functional check) (612.13.2)										✓			
4.8	Manual operation of circuit-breakers and RCDs to prove disconnection (612.13.2)										✓			
4.9	Correct identification of circuit details and protective devices (514.8.1; 514.9.1)										✓			
4.10	Presence of RCD quarterly test notice at or near consumer unit / distribution board (514.12.2)										✓			
4.11	Presence of non-standard (mixed) cable colour warning notice at or near consumer unit / distribution board (514.14)										✓			
4.12	Presence of alternative supply warning notice at or near consumer unit / distribution board (514.15)										N/A			
4.13	Presence of other required labelling (please specify) (514)										N/A			
4.14	Examination of protective device(s) and base(s); correct type and rating (no signs of unacceptable thermal damage, arcing or overheating) (421.1.3)										✓			
4.15	Single-pole protective devices in line conductor only (132.14.1; 530.3.2)										✓			
4.16	Protection against mechanical damage where cables enter consumer unit / distribution board (522.8.1; 522.8.11)										✓			
4.17	Protection against electromagnetic effects where cables enter consumer unit / distribution board / enclosures (521.5.1)										✓			
4.18	RCD(s) provided for fault protection – includes RCBOs (411.4.9; 411.5.2; 531.2)										✓			
4.19	RCD(s) provided for additional protection – includes RCBOs (411.3.3; 415.1)										✓			
4.20	Confirmation of Indication that SPD is functional (534.2.8)										N/A			
4.21	Confirmation that ALL conductor connections, including connections to busbars, are correctly located in terminals and are tight and secure (526.1)										✓			
4.22	Adequate arrangements where a generating set operates as a switched alternative to the public supply										N/A			
4.23	Adequate arrangements where a generating set operates in parallel with the public supply (577.1)										N/A			

Outcomes	Acceptable condition	✓	Unacceptable condition	State C1 or C2	Improvement recommended	State C3	Further Investigation	F1	Not verified	N/V	Limitation	LIM	Not applicable	N/A
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ITEM NO	DESCRIPTION	OUTCOME (Use codes above. Provide additional comment where appropriate. C1, C2 and C3 and F1 coded items to be recorded in Section K of the Condition Report)
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5.0	FINAL CIRCUITS	
5.1	Identification of conductors (514.3.1)	✓
5.2	Cables correctly supported throughout their run (522.8.5)	✓
5.3	Condition of insulation live parts (416.1)	
5.4	Non-sheathed cables protected by enclosure in conduit, ducting or trunking (521.10.1):	✓
	■ To include the integrity of conduit and trunking systems (metallic and plastic)	N/A
5.5	Adequacy of cables for current-carrying capacity with regard for the type and nature of installation (523)	✓
5.6	Coordination between conductors and overload protective devices (433.1; 533.2.1)	✓
5.7	Adequacy of protective devices: type and rated current for fault protection (411.3)	✓
5.8	Presence and adequacy of circuit protective conductors (411.3.1.1; 543.1)	✓
5.9	Wiring system(s) appropriate for the type and nature of the installation and external influences (522)	✓
5.10	Concealed cables installed in prescribed zones (see Section D. Extent and limitations (522.6.101))	✓
5.11	Concealed cables incorporating earthed armour or sheath, or run within earthed wiring system, or otherwise protected against mechanical damage from nails, screws etc (see Section D. Extent and limitations (522.6.101; 522.6.103))	✓
5.12	Provision of additional protection by RCD not exceeding 30 mA:	✓
	■ For all socket-outlets or rating 20 A or less provided for use by ordinary persons unless an exception is permitted (411.3.3)	N/A
	■ For supply to mobile equipment not exceeding 32 A rating for use outdoors (411.3.3)	N/A
	■ For cables concealed in walls or partitions (522.6.102; 522.6.103)	✓
5.13	Provision of fire barriers, sealing arrangements and protection against thermal effects (527)	✓
5.14	Band II cables segregated / separated from Band I cables (528.1)	✓
5.15	Cables segregated / separated from communications cabling (528.2)	✓
5.16	Cables segregated / separated from non-electrical services (528.3)	✓
5.17	Termination of cables at enclosures – indicate extent of sampling in Section D of the report (526):	✓
	■ Connections soundly made and under no undue strain (526.6)	✓
	■ No basic insulation of a conductor visible outside enclosure (526.98)	✓
	■ Connections of live conductors adequately enclosed (526.5)	✓
	■ Adequately connected at point of entry to enclosure (glands, bushes etc) (522.8.5)	✓
5.18	Condition of accessories including socket-outlets, switches and joint boxes (621.2 (iii))	✓
5.19	Suitability of accessories for external influences (512.2)	✓
5.20	Adequacy of working space/accessibility to equipment (132.12; 513.1)	✓
5.21	Single-pole switching or protective devices in line conductors only (132.14.1, 530.3.2)	✓

6.0	LOCATION(S) CONTAINING A BATH OR SHOWER	
6.1	Additional protection for all low voltage (LV) circuits by RCD not exceeding 30 mA (701.411.3.3)	✓
6.2	Where used as a protective measure, requirements for SELV or PELV met (701.414.5)	✓
6.3	Shaver sockets comply with BS EN 61558-2-5 formerly BS 3535 (701.512.3)	N/A
6.4	Presence of supplementary bonding conductors, unless not required by BS 7671: 2008 (701.415.2)	N/A
6.5	Low voltage (e.g. 230 volt) socket-outlets sited at least 3m from zone 1 (701.512.3)	N/A
6.6	Suitability of equipment for external influences for installed location in terms of IP rating (701.512.2)	✓
6.7	Suitability of equipment for installation in a particular zone (701.512.3)	✓
6.8	Suitability of current-using equipment for particular position within the location (701.55)	✓

7.0	OTHER PART 7 SPECIAL INSTALLATIONS OR LOCATIONS	
7.1	List all other special installations or locations present, if any. (Record separately the results of particular inspections applied).	N/A

Inspected by:
Name (Capitals)

A RIPLEY

Signature



Date

5/10/2016

STROMA CERTIFICATION

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.

- 1.) The purpose of this Condition Report is to conform, 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 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 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 quarterly. **For safety reason 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 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 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 competent in electrical installation work undertakes the necessary remedial work urgently.
- 9.) Where it has been stated in Section K 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 of 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.

CONDITION REPORT INSPECTION SCHEDULE GUIDANCE FOR THE INSPECTOR

1. Section 1.0 where inadequacies in the distributor's equipment are encountered the inspector should advise the person ordering the work to inform the appropriate authority.
2. Older installations designed prior to BS 7671:2008 may have not been provided with RCDs for additional protection. The absence of such protection should as a minimum be given a code C3 classification (item 5.12).
3. The schedule is not exhaustive.
4. Numbers in brackets are Regulation references to specified requirements.

