

I. Supply Characteristics and Earthing Arrangements				Nature of Supply Parameters		Supply protective device			
Earthing Arrangements		Number and Type of Live Conductors							
TN-S	<input checked="" type="checkbox"/>	a.c.	<input checked="" type="checkbox"/>	d.c.	N/A	Nominal Voltage $U^{(1)}$	N/A	V	BS(EN)
TN-C-S	<input type="checkbox"/>	1-Phase (2 wire)	<input checked="" type="checkbox"/>	1-Phase (3 wire)	N/A	Nominal Voltage $U_o^{(1)}$	230	V	Agreed Limitation
TN-C	<input type="checkbox"/>	2-Phase (3 wire)	<input type="checkbox"/>	3 Wire	N/A	Nominal frequency $f^{(1)}$	50	Hz	Type
TT	<input type="checkbox"/>	3-Phase (3 wire)	<input type="checkbox"/>	3-Phase (4 wire)	N/A	Prospective fault current $I_{pf}^{(2)}$	0.7	kA	N/A
IT	<input type="checkbox"/>	Other	<input type="text" value="N/A"/>		Other	External loop impedance $Z_e^{(2)}$	0.31	Ω	Nominal current rating
		Confirmation of supply polarity			<input checked="" type="checkbox"/>	Number of supplies	1		LIM
								Short circuit capacity	N/A
						(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
Installation earth electrode	<input type="checkbox"/>	Resistance to Earth	N/A Ω
		Location	N/A
		Method of measurement	N/A

Main Protective Conductors				Tick boxes and enter details as applicable	
Earthing Conductor	Material	Copper	csa	16	mm ²
				Continuity Verified	<input checked="" type="checkbox"/>
				Connection Verified	<input checked="" type="checkbox"/>
Main protective bonding conductors	Material	Copper	csa	10	mm ²
				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	N/A
Oil installation pipes	<input type="checkbox"/>	Lightning protection	N/A	32 Amps	
Other incoming service(s)				Please State	
				Protective measure(s) against electric shock	
				ADS	

Main Switch / Switch-Fuse / Circuit-Breaker / RCD						
Location	Kitchen			Current rating	100	A
Type BS(EN)	BS EN 60947-3 Isolater			Fuse/Device rating or setting	100	A
Supply Conductors material	Copper	Supply Conductors csa	16	Voltage rating	230	V
			mm ²	if RCD main switch		
				Rated residual operation current, $I_{\Delta n}$	N/A	mA
				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.		<input type="checkbox"/>	The following observations are made
		<input checked="" type="checkbox"/>	
Item No	Observations	Code	
1	4 Consumer unit(s)/Distribution board(s) 4.3 Condition of enclosure(s) in terms of IP rating	C3	
2	4 Consumer unit(s)/Distribution board(s) 4.4 Condition of enclosure(s) in terms of fire rating	C3	
3	4 Consumer unit(s)/Distribution board(s) 4.9 Manual operation of circuit breakers and RCDs to prove disconnection (functional check)	C2	
4	4 Consumer unit(s)/Distribution board(s) 4.10 Correct identification of circuits and protective devices	C3	
5	--Observations continue on continuation sheet(s)--	C3	
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	<input type="text" value="0"/>		
C2 - Potentially dangerous - urgent remedial action required	<input type="text" value="13"/>		
C3 - Improvement recommended	<input type="text" value="25"/>		
FI - Further investigation required without delay	<input type="text" value="0"/>		

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

45309 - Master

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		
1.0	External condition of intake equipment (visual inspection only)													
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		
2.0	Presence of adequate arrangements for other sources													
2.1	Presence of alternative/additional supply warning notices at the origin of the installation										N/A	No		
3.0	Earthing and bonding arrangements													
3.1	Presence and condition of distributor's earthing arrangement										✓	No		
3.2	Presence and condition of earth electrode connection, where appropriate										✓	No		
3.3	Confirmation of earthing conductor size										✓	No		
3.4	Accessibility and condition of earthing conductor at Main Earthing Terminal (MET)										✓	No		
3.5	Confirmation of main protective bonding conductor sizes										✓	No		
3.6	Condition and accessibility of main protective bonding conductor connections										✓	No		
3.7	Condition and accessibility of other protective bonding connections										✓	No		
3.8	Provision of earthing and bonding labels at all appropriate locations										✓	No		
4.0	Consumer unit(s)/ Distribution board(s)													
4.1	Adequacy of working space/accessibility to consumer unit/ distribution board										✓	No		
4.2	Security of fixing										✓	No		
4.3	Condition of enclosure(s) in terms of IP rating										C3 (see section K)	No		
4.4	Condition of enclosure(s) in terms of fire rating										C3 (see section K)	No		
4.5	Enclosure not damaged/deteriorated so as to impair safety										✓	No		
4.6	Presence of linked main switch										✓	No		
4.7	Operation of main switch(es) (functional check)										✓	No		
4.8	Operation of main switch (functional), main switch capable of being secured in the OFF position										✓	No		
4.9	Manual operation of circuit breakers and RCDs to prove disconnection (functional check)										C2 (see section K)	No		
4.10	Correct identification of circuits and protective devices										C3 (see section K)	No		
4.11	Presence of required charts and labels:													
4.11.1	Provision of diagram, chart, table or equivalent forms of information										C3 (see section K)	No		
4.11.2	Warning notice of durable material indicating there are live parts which are not capable of being isolated by a single device										✓	No		
4.11.3	Periodic inspection notice positioned at or near the origin of the installation										C3 (see section K)	No		
4.11.4	Presence of RCD six-monthly test notice at or near consumer unit/distribution board										C3 (see section K)	No		
4.11.5	Presence of non-standard (mixed) cable colour warning notice at or near consumer unit/distribution board										C3 (see section K)	No		
4.11.6	Presence of other required labelling provided										C3 (see section K)	No		
4.12	Compatibility of protective device(s), base(s) and other components; correct type and rating (no signs of unacceptable thermal damage, arcing or overheating)										C2 (see section K)	No		
4.13	Single-pole switching or protective devices in the line conductors only										✓	No		
4.14	Protection against mechanical damage where cables enter consumer unit/ distribution board										C3 (see section K)	No		
4.15	Protection against electromagnetic effects where cables enter metallic consumer unit enclosure										✓	No		
4.16	RCDs provided for fault protection - includes RCBOs										C2 (see section K)	No		
4.17	RCDs provided for additional protection includes RCBOs										C2 (see section K)	No		
4.18	Confirmation of indication that SPD is functional										N/A	No		
4.19	Operation/adequacy of AFDD(s) where present										N/A	No		
4.20	Confirmation that conductor connections, including connections to busbars, are correctly located in terminals and are tight and secure										✓	No		
4.21	Adequate arrangements where a generating set operates as a switched alternative to the public supply										N/A	No		
4.22	Adequate arrangements where a generating set operates in parallel with the public supply										N/A	No		

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

5309 - Master

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		
5.0	Distribution/final circuits													
5.1	Identification of conductors										C3 (see section K)	No		
5.2	Cables correctly supported throughout										LIM	No		
5.3	Condition of insulation of live parts										✓	No		
5.4	Non-sheathed live conductors protected by enclosure in conduit, ducting or trunking (including confirmation of the integrity of conduit and trunking systems)										C3 (see section K)	No		
5.5	Adequacy of cables for current-carrying capacity with regard to the type and nature of installation										C2 (see section K)	No		
5.6	Protective devices, type and rated current are suitable for fault protection										C2 (see section K)	No		
5.7	Presence and adequacy of circuit protective conductors										✓	No		
5.8	Co-ordination between conductors and overload protection devices										C3 (see section K)	No		
5.9	Wiring system(s) appropriate for the type and nature of the installation and external influences										✓	No		
5.10	Cables adequately protected against mechanical damage and abrasion										C3 (see section K)	No		
5.11	Provision of additional protection by 30 mA RCD for*:													
5.11.1	- all socket-outlets with a rated current not exceeding 32 A										C2 (see section K)	No		
5.11.2	- mobile equipment not exceeding a rating of 32 A for use outdoors										N/A	No		
5.11.3	- cables concealed in walls/partitions at a depth of less than 50 mm										C2 (see section K)	No		
5.11.4	- cables concealed in walls/partitions containing metal parts regardless of depth										C2 (see section K)	No		
5.11.5	- all AC final circuits supplying luminaires within domestic household premises										C2 (see section K)	No		
	*Note: Older installations designed prior to BS 7671:2018 may not have been provided with RCDs for additional protection.													
5.12	Provision of fire barriers, sealing arrangements and protection against thermal effects										N/A	No		
5.13	Band II cables segregated/separated from Band I cables										N/A	No		
5.14	Cables segregated/separated from communications cabling										N/A	No		
5.15	Cables segregated/separated from non-electrical services										C3 (see section K)	No		
5.16	Termination of cables at enclosures:													
5.16.1	Connections soundly made and under no undue strain										✓	No		
5.16.2	No basic insulation of a conductor visible outside enclosure										C3 (see section K)	No		
5.16.3	Connection of live conductors adequately enclosed										✓	No		
5.16.4	Adequately connected at point of entry to enclosure										✓	No		
5.17	Condition of accessories including socket-outlets, switches and joint boxes is satisfactory										✓	No		
5.18	Suitability of accessories for external influences										✓	No		
5.19	Adequacy of working space/accessibility to equipment										✓	No		
5.20	Single-pole switching or protective devices in line conductors only										✓	No		
6.0	Isolation and switching													
6.1	In general:													
6.1.1	Presence and condition of appropriate devices										C3 (see section K)	No		
6.1.2	Correct operation verified										C3 (see section K)	No		
6.2	For isolation and switching for mechanical maintenance only:													
6.2.1	Capable of being secured in the OFF position where appropriate										C3 (see section K)	No		
6.2.2	Acceptable location (local/remote)										C3 (see section K)	No		
6.2.3	Clearly identified by position and/or durable marking(s)										C3 (see section K)	No		
6.3	For isolation only:													
6.3.1	Warning label(s) posted in situations where live parts cannot be isolated by the operation of a single device										C3 (see section K)	No		
7.0	Current-using equipment (permanently connected)													
7.1	Condition of equipment in terms of IP rating										✓	No		
7.2	Equipment does not constitute a fire hazard										✓	No		
7.3	Enclosure not damaged/deteriorated so as to impair safety										✓	No		
7.4	Suitability for the environment and external influences										✓	No		
7.5	Security of fixing										✓	No		
7.6	Cable entry holes in ceiling above luminaires sized or sealed so as to restrict the spread of fire										✓	No		
	List number and location of luminaires inspected in section 9													

Observations Continued from Page 2

Item No	Description	Code
5	4 Consumer unit(s)/Distribution board(s) 4.11.1 Provision of diagram, chart, table or equivalent forms of information	C3
6	4 Consumer unit(s)/Distribution board(s) 4.11.3 Periodic inspection notice positioned at or near the origin of the installation	C3
7	4 Consumer unit(s)/Distribution board(s) 4.11.4 Presence of RCD six-monthly test notice at or near consumer unit/distribution board	C3
8	4 Consumer unit(s)/Distribution board(s) 4.11.5 Presence of non-standard (mixed) cable colour warning notice at or near consumer unit/distribution board	C3
9	4 Consumer unit(s)/Distribution board(s) 4.11.6 Presence of other required labelling provided	C3
10	4 Consumer unit(s)/Distribution board(s) 4.12 Compatibility of protective device(s), base(s) and other components; correct type and rating (no signs of unacceptable thermal damage, arcing or overheating)	C2
11	4 Consumer unit(s)/Distribution board(s) 4.14 Protection against mechanical damage where cables enter consumer unit/distribution board	C3
12	4 Consumer unit(s)/Distribution board(s) 4.16 RCDs provided for fault protection - includes RCBOs	C2
13	4 Consumer unit(s)/Distribution board(s) 4.17 RCDs provided for additional protection includes RCBOs	C2
14	5 Distribution/final circuits 5.1 Identification of conductors	C3
15	5 Distribution/final circuits 5.5 Adequacy of cables for current-carrying capacity with regard to the type and nature of installation	C2
16	5 Distribution/final circuits 5.4 Non-sheathed live conductors protected by enclosure in conduit, ducting or trunking (including confirmation of the integrity of conduit and trunking systems)	C3
17	5 Distribution/final circuits 5.6 Protective devices, type and rated current are suitable for fault protection	C2
18	5 Distribution/final circuits 5.8 Co-ordination between conductors and overload protection devices	C3
19	5 Distribution/final circuits 5.10 Cables adequately protected against mechanical damage and abrasion	C3
20	5 Distribution/final circuits 5.11.1 - all socket-outlets with a rated current not exceeding 32 A	C2
21	5 Distribution/final circuits 5.11.3 - cables concealed in walls/partitions at a depth of less than 50 mm	C2
22	5 Distribution/final circuits 5.11.4 - cables concealed in walls/partitions containing metal parts regardless of depth	C2
23	5 Distribution/final circuits 5.11.5 - all AC final circuits supplying luminaires within domestic household premises	C2
24	5 Distribution/final circuits 5.15 Cables segregated/separated from non-electrical services	C3
25	5 Distribution/final circuits 5.16.2 No basic insulation of a conductor visible outside enclosure	C3
26	6 Isolation and switching 6.1.1 Presence and condition of appropriate devices	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

Observations Continued from Page 2

Item No	Description	Code
27	6 Isolation and switching 6.1.2 Correct operation verified	C3
28	6 Isolation and switching 6.2.1 Capable of being secured in the OFF position where appropriate	C3
29	6 Isolation and switching 6.2.2 Acceptable location (local/remote)	C3
30	6 Isolation and switching 6.2.3 Clearly identified by position and/or durable marking(s)	C3
31	6 Isolation and switching 6.3.1 Warning label(s) posted in situations where live parts cannot be isolated by the operation of a single device	C3
32	RCD not provided where required	C2
33	Consumer unit not in order	C2
34	Oversized breakers	C2
35	Cooker switch not accessible	C3
36	No mechanical protection where required	C3
37	Consumer unit not fire rated	C3
38	Missing consumer unit labels	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