





# DOMESTIC ELECTRICAL INSTALLATION CONDITION REPORT

## Small installations up to 100 A single phase supply

Issued in accordance with BS 7671: 2018 – Requirements for Electrical Installations

This report is not valid if the serial number has been deleted or altered

21490373

DPN18C

### PART 7 : DETAILS AND LIMITATIONS ON THE INSPECTION AND TESTING

The inspection and testing has been carried out in accordance with BS 7671: 2018, as amended. Cables concealed within trunking and conduits, or cables and conduits concealed under floors, in inaccessible roof spaces and generally within the fabric of the building or underground, have not been visually inspected unless specifically agreed between the Client and the Inspector prior to inspection.

Details of the installation covered by this report: fixed wiring power and light only (see additional page No. N/A)

Agreed limitations including the reasons, if any, on the inspection and testing: no access to under floors or ceilings (see additional page No. N/A)

### PART 8 : SUPPLY CHARACTERISTICS AND EARTHING ARRANGEMENTS

<b>System type and earthing arrangements</b>	TN-C-S: ( N/A )	TN-S: ( ✓ )	TT: ( N/A )	<b>Number and type of live conductors</b>	AC 1-phase, 2-wire: ( ✓ )	<b>Nature of supply parameters</b>	Nominal line voltage to Earth, $U_0$ : ( 230 ) V (i) By enquiry, measurement, or by calculation
Other (state):	N/A			Other (state):	N/A		
<b>Supply protective device</b>	(BS EN) 1361	Rated current: ( 60 ) A	Other sources of supply (as detailed on attached schedule):	Confirmation of supply polarity:	( ✓ )	Nominal frequency, $f$ :	( 50 ) Hz
Type: ( ✓ )				Other sources of supply (as detailed on attached schedule):	Page No: ( N/A )	Prospective fault current, $I_{pf}^{(1)k}$ :	( 1.1 ) kA
						External loop impedance, $Z_0^{(1)k}$ :	( 0.23 ) $\Omega$

### PART 9 : PARTICULARS OF INSTALLATION REFERRED TO IN THIS REPORT

<b>Means of Earthing</b>	Distributor's facility: ( ✓ )	Installation earth electrode: ( N/A )	<b>Main protective conductors</b>	Earthing conductor: ( ✓ )	Material: Copper	csa: 16	mm <sup>2</sup>	<b>Main protective bonding connections</b>	Water installation pipes: ( ✓ )	Gas installation pipes: ( N/A )	Structural steel: ( N/A )	Oil installation pipes: ( N/A )	Lightning protection: ( N/A )	Other (state):	N/A	<b>Main switch / Switch-fuse / Circuit-breaker / RCD</b>	Type: (BS EN) 5419	Location: ( ceiling void at entrance )	No. of poles: ( 2 )	Current rating: ( 100 ) A	Rating / setting of device: ( 100 ) A	Voltage rating: ( 230 ) V	<b>Where an RCD is used as the main switch</b>	RCD rated residual operating current, $I_{\Delta n}$ : ( 30 ) mA	Measured operating time: ( N/A ) ms	Rated time delay: ( N/A ) ms
Where an earth electrode is used insert	Type – rod(s), tape, etc: ( None )	Location: ( N/A )	Main protective bonding conductors:	Material: Copper	csa: 10	mm <sup>2</sup>	Connection / continuity verified: ( ✓ )	Other (state):																		

\*Where the installation is supplied by more than one source, the higher or highest values of prospective fault current,  $I_{pf}$ , and external earth fault loop impedance,  $Z_0$ , must be recorded.

All fields must be completed. Enter either, as appropriate: '✓' if Acceptable condition; 'N/A' if Not applicable; 'LIM' if a limitation exists; or Code appropriately – CODE 'C1', 'C2', 'C3' or 'FT' (codes to be recorded in PART 6, with additional comments (where appropriate) on attached numbered sheets)

Original (to the person ordering the work)





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DPIN8C

### PART 10 : SCHEDULE OF ITEMS INSPECTED

1. External condition of intake equipment (visual inspection only) (If inadequacies are identified with the intake equipment, it is recommended the person ordering the report informs the appropriate authority)		4. Consumer unit(s) / Distribution board(s)	
1.1 Service cable:	(✓)	4.1 Adequacy of working space / accessibility to consumer unit / distribution board:	(C3)
1.2 Service head:	(✓)	4.2 Security of fixing:	(✓)
1.3 Earthing arrangement:	(✓)	4.3 Condition of enclosure(s) in terms of IP rating:	(C3)
1.4 Meter tails:	(✓)	4.4 Condition of enclosure(s) in terms of fire rating:	(✓)
a) Cutout fuse to meter	(✓)	4.5 Enclosure not damaged / deteriorated so as to impair safety:	(✓)
b) Meter to consumer unit	(✓)	4.6 Operation of linked main switch:	(✓)
1.5 Metering equipment:	(✓)	4.7 Operation of main switch(es) (functional check):	(✓)
1.6 Isolator (where present):	(✓)	4.8 Main switch capable of being secured in the OFF position:	(✓)
2. Presence of adequate arrangements for other sources		4.9 Operation of circuit-breakers and RCDs to prove disconnection (functional check):	(✓)
2.1 Adequate arrangements where a generating set operates as a switched alternative to the public supply:	(N/A)	4.10 Correct identification of circuits and protective devices:	(C3)
2.2 Adequate arrangements where generating set operates in parallel with the public supply:	(N/A)	4.11 Presence of appropriate circuit charts, warning and other notices:	(✓)
2.3 Presence of alternative / additional supply warning notices:	(N/A)	a) Provision of circuit charts/schedules or equivalent forms of information	(✓)
3. Earthing and bonding arrangements		b) Warning notice of method of isolation where live parts not capable of being isolated by a single device	(✓)
3.1 Presence and condition of distributor's earthing arrangement:	(✓)	c) Periodic inspection and testing notice	(✓)
3.2 Presence and condition of earth electrode connection, where appropriate:	(N/A)	d) Presence of RCD six-monthly notice, where required	(✓)
3.3 Confirmation of adequate earthing conductor size:	(✓)	e) Warning notice of non-standard (mixed) colours of conductors present	(✓)
3.4 Accessibility and condition of earthing conductor at Main Earthing Terminal (MET):	(✓)	f) All other required labelling provided	(✓)
3.5 Confirmation of adequate main protective bonding conductor at Confirmation of adequate main protective bonding conductor sizes:	(✓)	4.12 Compatibility of protective device(s), hassets) and other components; correct type and rating (no signs of unacceptable thermal damage, arcing or overheating):	(✓)
3.6 Accessibility and condition of main protective bonding conductor connections:	(✓)	4.13 Single-pole switching or protective devices in the line conductors only:	(✓)
3.7 Accessibility and condition of other protective bonding connections:	(✓)	4.14 Protection against mechanical damage where cables enter consumer unit / distribution board:	(C3)
3.8 Provision of earthing and bonding labels at all appropriate locations:	(✓)		
		4.15 Protection against electromagnetic effects where cables enter metallic consumer unit / enclosure:	
		4.16 RCDs provided for fault protection – includes RCBOs:	(✓)
		4.17 RCDs provided for additional protection – includes RCBOs:	(✓)
		4.18 Confirmation of indication that SPD is functional:	(N/A)
		4.19 Adequacy of AFDD(s), where specified:	(N/A)
		4.20 Confirmation that conductor connections, including connections to hushers, are correctly located in terminals and are tight and secure:	(✓)
		5. Distribution / final circuits	
		5.1 Identification of conductors:	(✓)
		5.2 Cables correctly supported throughout:	(✓)
		5.3 Condition of insulation of live parts:	(✓)
		5.4 Non-sheathed live conductors protected by enclosure in conduit, ducting or trunking (including confirmation of the integrity of conduit and trunking systems):	(N/A)
		5.5 Adequacy of cables for current-carrying capacity with regard to the type and nature of installation:	(✓)
		5.6 Adequacy of protective devices; type and rated current for fault protection:	(✓)
		5.7 Presence and adequacy of circuit protective conductors:	(✓)
		5.8 Co-ordination between conductors and overload protection devices:	(✓)
		5.9 Wiring system(s) appropriate for the type and nature of the installation and external influences:	(✓)
		5.10 Cables adequately protected against mechanical damage and abrasion:	(✓)
		5.11 Provision of additional protection by 30 mA RCD (see Note):	(✓)
		a) For all socket-outlets with a rated current not exceeding 32 A:	(✓)
		b) For mobile equipment not exceeding a rating of 32 A for use outdoors:	(N/A)
		c) For cables concealed in walls / partitions at a depth of less than 50 mm:	(✓)

All fields must be completed. Enter either, as appropriate: '✓' if Acceptable condition; 'N/A' if Not applicable; 'LIM' if a Limitation exists.

or Code appropriately – CODE 'C1', 'C2', 'C3' or 'FI' (codes to be recorded in PART 6, with additional comments (where appropriate) on attached numbered sheets)

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