



Date 14/07/2025



Certificate Serial No/Ref:

73642044

3 Core Sparkies Domestic Electrical Installation Certificate



(Requirements for Electrical Installations – BS 7671 IET Wiring Regulations)

DETAILS OF THE CLIENT		ADDRESS OF THE INSTALLATION	
Client and address	Abacus Holdings LTD Flat 16, 20-22 Ashbourne Road Derby	Installation address	Flat 16, 20-22 Ashbourne Road Derby
	Postcode: DE22 3DR		Postcode: DE22 3DR
DETAILS OF THE INSTALLATION		The Installation Is	
Extent of the installation work covered by this certificate	100% New installation	New	✓
		An addition	N/A
		An alteration	N/A
DESIGN, CONSTRUCTION, INSPECTION AND TESTING * BS 7671 amended to : 2022		The extent of liability of the signatory/signatories is limited to work described above as the subject of this certificate. For the DESIGN, CONSTRUCTION, INSPECTION & TESTING of the installation.	
I being the person/s responsible for the design, construction, inspection and testing of the electrical installation (as indicated by my signature) particulars of which are described above, having exercised reasonable skill and care when carrying out the design, construction, inspection and testing hereby Certify that the design, construction, inspection and testing work for which I/we have been responsible is, to the best of my knowledge and belief, in accordance with BS 7671: amended to* except for the departures, if any, detailed as follows:		Signature	 Name (Capitals) PARAMPREET SINGH Date 14/07/2025
Details of departures from BS 7671: as amended (Regulations 120.3 & 133.5)		The results of the inspection and testing reviewed by	
N/A		Signature	 Name (Capitals) PARAMPREET SINGH Date 14/07/2025
PARTICULARS OF THE CONTRACTOR		NEXT INSPECTION * Interval in terms of years, months, or weeks, as appropriate	
Trading title	3 Core Sparkies	I RECOMMEND that this installation is further inspected and tested after an interval of not more than *	5 Years
3 Ocean Court Derby	Email info@3coresparkies.com	COMMENTS ON EXISTING INSTALLATION Additional information and report notes	
	Web www.3coresparkies.com	N/A	
Telephone No	07811 579123	SCHEDULE OF ADDITIONAL RECORDS See attached schedule	
	Postcode DE24 1AN	Risk assessment attached	
Registration No: (if applicable)	65166	N/A	
Branch No: (if applicable)	N/A		



SUPPLY CHARACTERISTICS AND EARTHING ARRANGEMENTS				Nature of Supply Parameters				*Characteristics of Primary									
System		Number and Type of Live Conductors		(1) by enquiry (2) by enquiry or by measurement (3) where more than one supply, the higher or highest values				*Other sources of supply to be detailed on attached schedules									
TN-S	N/A	1-phase (2 wire)	✓	1-phase (3 wire)	N/A	Nominal Voltage U (1)	N/A	V	Nominal frequency f (1)	50	Hz	BS(EN)	BS 1361 Type 2b				
TN-C-S	✓											Type	Type 2				
TT	N/A	2-phase (3 wire)	N/A	3-phase (4 wire)	N/A	AC or DC	A/C	Uo (1)	230	V	External earth fault loop impedance Ze (2/3)	0.14	Ω				
*Other	N/A	other	N/A									Rated current	80	A	Short-circuit capacity	33	kA
				Single-phase	Prospective fault current (2/3)	1.68	kA	3-phase	Prospective fault current (2/3)	N/A	kA						

PARTICULARS OF INSTALLATION AT THE ORIGIN				Main Switch/Switch-Fuse/Circuit-Breaker/RCD												
Means of earthing		Details of installation Earth Electrode (where applicable)				Measured Ze		0.14	Ω	Type BS(EN)		BS EN 60947-3	Voltage rating	230	V	
Distributor's facility	✓	Type:	N/A		Method of measurement:	N/A		Maximum demand: (load)	52	Amps	No of poles	2	Rated Current	100	A	
Installation earth electrode	N/A	Electrode resistance to Earth	N/A		Location:	N/A		Number of smoke alarms	1		Supply conductor material	Copper	*RCD operating current IΔn	N/A	mA	
Earthing conductor		Main protective bonding conductors and bonding of extraneous conductive parts (✓)				Protective measures for fault protection		ADS		Supply conductor csa		16	mm ²	*RCD rated time delay	N/A	ms
Conductor material:	Copper		Conductor material	N/A	Conductor csa	N/A	Location:	(where not obvious)		*RCD operating time (at IΔn)		N/A	ms	* If RCD main switch		
Conductor csa:	16	mm ²	Continuity check	✓	Gas installation pipes	N/A	Water installation pipes	N/A	Oil installation pipes	N/A	Structural steel	N/A	To other Specifiy	N/A		

SCHEDULE OF INSPECTIONS ✓ Indicates satisfactory inspection, N/A indicates the inspection is not applicable					
Item No	DESCRIPTION		OUTCOME		
1.0	Condition of consumer's intake equipment (Visual inspection only)		✓		
2.0	Parallel or switched alternative sources of supply		N/A		
3.0	Protective measure: Automatic Disconnection of Supply (ADS)		✓		
4.0	Basic protection		✓		
5.0	Protective measures other than ADS		✓		
6.0	Additional protection		✓		
7.0	Distribution equipment		✓		
Item No	DESCRIPTION		OUTCOME		
8.0	Circuits (Distribution and Final)		✓		
9.0	Isolation and switching		✓		
10.0	Current-using equipment (permanently connected)		✓		
11.0	Identification and notices		✓		
12.0	Location(s) containing a bath or shower		✓		
13.0	Other special installations or locations		N/A		
14.0	Prosumer's low voltage electrical installation(s)		N/A		

CODES FOR TYPES OF WIRING						
A	B	C	D	E	F	G
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

TEST INSTRUMENT(S) USED			
Earth fault loop impedance	N/A	Insulation resistance	N/A
Continuity	N/A	RCD	N/A
MFT	8178291	Other	N/A

Details of circuits and/or installed equipment vulnerable to damage when testing and/or remarks:

N/A

DESIGN OF FIRE DETECTION INSTALLATIONS FOR DWELLING

DESCRIPTION OF SYSTEM GRADE AND SYSTEM CATEGORY

System Grade

D1

System Category

LD2

Description of areas protected
(LD2 & PD2 systems only)

Bedroom, kitchen

Signature



Date

14/07/2025

All of system tested for satisfactory operation in accordance with recommendations of BS 5839-6*

Satisfactory

Where design, installation and commissioning are not all the responsibility of a single organisation or person, the relevant words should be deleted.' The signatory of the certificate should sign only as confirmation that the work for which they have been responsible complies with the relevant recommendations of BS5839-6:. A separate certificate(s) should then be issued for other work.'

In accordance with BS 5839-6 instructions have been supplied to*

Mr Singh

This certificate may be required by an authority responsible for enforcement of fire safety legislation, such as the building control authority or housing authority. The recipient of this certificate might rely on the certificate as evidence of compliance with legislation. Liability could arise on the part of any organisation or person that issues a certificate without due care in ensuring its validity.

MECHANICAL VENTILATION FLOW RATE TESTING. Fixed System 1 Fans Only

Equipment used to measure airflow

Model

Testo

Model Number

417

Type

Airflow

Certificate Number

WNTE31715

UKAS calibration date

21/08/2024

Test Method Used

1

Unconditional method. Complete boxes (a), (b), (c), (d), (g) and (h)

Please refer to NHBC Guidance Note for further information on Methods

Airflow measurement

(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)
Fan Reference	Manufacturer	Model	Measured extract rate (l/s)	Fan correction factor	Corrected extract rate (l/s)	Design extract rate (l/s)	Pass/fail	Reason if failed
Kitchen	Manrose	Intervent 6	59.8	N/A	N/A	63	Pass	N/A
Bathroom	Envirovent	Eco	17	N/A	N/A	14-65	Pass	N/A

DISTRIBUTION BOARD DETAILS FOR Flat 16, 20-22 Ashbourne Road Derby DE22 3DR

DB ref:	DB1	Zs at this board (Ω):	0.10	Ipf at this board (kA):	2.52	Main switch type BSEN	BS EN 60947-3	Rating:	100	A	SPD Type(s)	T2	Supply	16	mm ²	Earth:	16	mm ²
Distribution board location:	Hall	Phase Sequence Confirmed (where appropriate)		N/A	Supplied from:	Mains		No. Of phases:	Single	Supply protective device type BSEN reference:		Type 2	Rating:	80	Amps			

CIRCUIT DETAILS

TEST RESULTS

Circuit reference	Circuit designation	Type of wiring	Reference method	Number of points served	Circuit conductors		Max disconnection time	Overcurrent protective device					RCD				Continuity Ω					Insulation resistance					RCD	AFDD					
					Live (mm ²)	cpc (mm ²)		Type BS (EN)	Type	Rating	Breaking capacity (kA)	80% Max permitted Zs (Ω)	Type BS (EN)	Type	IΔn (mA)	Rating (A)	Ring final circuits only (measured end to end)			All circuits (At least 1 column to be completed)		Test voltage V	Live - Live (MΩ)	Live - Neutral (MΩ)	Live - Earth (MΩ)	Neutral - Earth (MΩ)			Polarity	Maximum measured Zs Ω	Disconnection time (ms)	Test button/functionality	Manual test button/functionality
																	r ₁ (line)	r _n (neutral)	r ₂ (cpc)	(R ₁ + R ₂)	R ₂												

1	SPD	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	✓	N/A	N/A	N/A	N/A	
3	SPD MCB	N/A	N/A	N/A	N/A	N/A	N/A	60898	B	32	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	✓	N/A	N/A	N/A	N/A	
2	MAIN SWITCH	N/A	N/A	N/A	N/A	N/A	N/A	60947	3	100	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	✓	N/A	N/A	N/A	N/A		
4	Water Heater	A	100	1	10	4	5	61009	B	40	6	1.10	61009	A	30	40	N/A	N/A	N/A	0.02	N/A	500v	N/A	>20MΩ	>20MΩ	>20MΩ	✓	0.16	38	✓	N/A		
5	Cooker	A	100	1	6.0	2.5	0.4	61009	B	32	6	1.10	61009	A	30	32	N/A	N/A	N/A	0.08	N/A	500v	N/A	>20MΩ	>20MΩ	>20MΩ	✓	0.22	38	✓	N/A		
6	Sockets left side	A	100	5	2.5	1.5	0.4	61009	B	20	6	1.75	61009	A	30	20	N/A	N/A	N/A	0.50	N/A	500	N/A	>20MΩ	>20MΩ	>20MΩ	✓	0.64	38	✓	✓		
7	Sockets kitchen side	A	100	8	2.5	1.5	0.4	61009	B	20	6	1.75	61009	A	30	20	N/A	N/A	N/A	0.44	N/A	500v	N/A	>20MΩ	>20MΩ	>20MΩ	✓	0.58	37	✓	✓		
8	Heaters	A	100	2	2.5	1.5	0.4	61009	B	20	6	1.75	61009	A	30	20	N/A	N/A	N/A	0.19	N/A	500	N/A	>20MΩ	>20MΩ	>20MΩ	✓	0.33	29	✓	N/A		
9	Lights	A	100	8	1.5	1.0	0.4	61009	B	6	6	5.82	61009	A	30	6	N/A	N/A	N/A	0.39	N/A	500v	N/A	>20MΩ	>20MΩ	>20MΩ	✓	0.53	38	✓	N/A		
10	Smoke alarm	A	100	1	1.0	1.0	0.4	61009	B	6	6	5.82	61009	A	30	6	N/A	N/A	N/A	0.17	N/A	500v	N/A	>20MΩ	>20MΩ	>20MΩ	✓	0.31	38	✓	N/A		
11	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
12	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
13	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	

Not all SPDs have visible functionality indication. RCD effectiveness is verified using an alternating current test at rated residual operating current (I_{an}). Not all AFDDs have a test button



NOTES FOR RECIPIENT

THIS CERTIFICATE IS A VALUABLE DOCUMENT AND SHOULD BE RETAINED FOR FUTURE REFERENCE

This safety Certificate has been issued to confirm that the electrical installation work to which it relates has been designed, constructed, inspected and tested in accordance with BS 7671. If you were the person ordering the work, but not the owner of the installation, you should pass this Certificate, or a full copy of it including the schedules, immediately to the owner.

This Certificate should be retained in a safe place and be shown to any person inspecting or undertaking further work on the electrical installation in the future. If you later vacate the property, this Certificate will demonstrate to the new owner that the electrical installation complied with the requirements of BS 7671 at the time the Certificate was issued. The Construction (Design and Management) Regulations require that, for a project covered by those Regulations, a copy of this Certificate, together with schedules, is included in the project health and safety documentation. For safety reasons, the electrical installation will need to be inspected at appropriate intervals by a skilled person or persons, competent in such work. The maximum time interval recommended before the next inspection is stated on Page 1 under 'NEXT INSPECTION'.

This Certificate is intended to be issued only for a new electrical installation or for new work associated with an addition or alteration to an existing installation. It should not have been issued for the inspection and testing of an existing electrical installation. An 'Electrical Installation Condition Report' should be issued for such an inspection.

This Certificate is only valid if the Schedule of Inspections has been completed to confirm that all relevant inspections have been carried out and where accompanied by Schedule(s) of Circuit Details and Test Results. Where the installation includes a residual current device (RCD) it should be tested six-monthly by pressing the button marked 'T' or 'Test'. The device should switch off the supply and should then be switched on to restore the supply. If the device does not switch off the supply when the button is pressed, seek expert advice. For safety reasons it is important that this instruction is followed. Where the installation includes an arc fault detection device (AFDD) having a manual test facility it should be tested six-monthly by pressing the test button. Where an AFDD has both a test button and automatic test function, manufacturer's instructions shall be followed with respect to test button operation. Where the installation includes a surge protective device (SPD) the status indicator should be checked to confirm it is in operational condition in accordance with manufacturer's information. If the indication shows that the device is not operational, seek expert advice. For safety reasons it is important that this instruction is followed. Where the installation includes alternative or additional sources of supply, warning notices should be found at the origin or meter position or, if remote from the origin, at the consumer unit or distribution board and at all points of isolation of all sources of supply.