



Westfield Electrical Yorkshire Limited

Electrical Installation Certificate

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



DETAILS OF THE CLIENT				ADDRESS OF THE INSTALLATION					
Client and address		Redbank Manchester Limited 309 Bury New Road Salford		Installation address		Apartment G01 Jefferson Place Manchester			
		Postcode: M7 2YN				Postcode: M4 4AZ			
DETAILS OF THE INSTALLATION						The Installation Is			
Extent of the installation work covered by this certificate		100% of 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: Details of departures from BS 7671: as amended (Regulations 120.3 & 133.5) N/A				Signature		Name (Capitals)		Date	
						JOSEPH STANIFORTH		28/02/2024	
				The results of the inspection and testing reviewed by					
		Signature		Name (Capitals)		Date			
				JOSEPH STANIFORTH		28/02/2024			
PARTICULARS OF THE CONTRACTOR				NEXT INSPECTION * Interval in terms of years, months, or weeks, as appropriate					
Trading title		Westfield Electrical Yorkshire Limited		I RECOMMEND that this installation is further inspected and tested after an interval of not more than * 10 years					
5 Church Croft Rawmarsh Rotherham		Email		COMMENTS ON EXISTING INSTALLATION Additional information and report notes					
		Web		N/A					
Telephone No		N/A		Postcode		S62 6LQ			
Registration No: (if applicable)		AC613036000		Branch No: (if applicable)		N/A			
SCHEDULE OF ADDITIONAL RECORDS See attached schedule				Risk assessment attached					
N/A				N/A					

SUPPLY CHARACTERISTICS AND EARTHING ARRANGEMENTS

System

TN-S

N/A

TN-C-S

✓

TT

N/A

* Other

N/A

Number and Type of Live Conductors

1-phase
(2 wire)

✓

1-phase
(3 wire)

N/A

2-phase
(3 wire)

N/A

3-phase
(4 wire)

N/A

other

N/A

(1) by enquiry
(2) by enquiry or by measurement
(3) where more than one supply, the higher or highest values

AC or DC

A/C

Nominal Voltage U (1)

230/230

V

Nominal frequency f (1)

50

Hz

Uo (1)

230

V

External earth fault loop impedance Ze (2/3)

0.08

Ω

Single-phase

Prospective fault current (2/3)

2.9

kA

3-phase

Prospective fault current (2/3)

N/A

kA

*Characteristics of Primary Supply

*Other sources of supply to be detailed on attached schedules

BS(EN)

BS 1361 Type 2b

Type

Type 2

Rated current

80

A

Short-circuit capacity

33

kA

PARTICULARS OF INSTALLATION AT THE ORIGIN

Means of earthing

Distributor's facility

✓

Installation earth electrode

N/A

Details of installation Earth Electrode (where applicable)

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

N/A

Method of measurement:

N/A

Electrode resistance to Earth

N/A

Location:

N/A

Measured Ze

0.08

Ω

Maximum demand: (load)

58

Amps

Number of smoke alarms

3

Protective measures for fault protection

ADS

Main Switch/Switch-Fuse/Circuit-Breaker/RCD

Type
BS(EN)

BS EN 60947-3

Voltage rating

230

V

No of poles

2

Rated Current

100

A

Supply conductor material

Copper

*RCD operating current IΔn

N/A

mA

Supply conductor csa

16

mm²

*RCD rated time delay

N/A

ms

*RCD operating time (at IΔn)

N/A

ms

* If RCD main switch

Earthing conductor

Conductor material:

Copper

Conductor csa:

16

mm²

Continuity check

✓

✓

Main protective bonding conductors and bonding of extraneous conductive parts (√)

Conductor material

Copper

Conductor csa

10

Location:
(where not obvious)

N/A

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

N/A

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

Westfield Electrical Yorkshire Limited

Completed using iCertifi electrical certificates for iOS
Report pages including inspection and test schedules 2 of 6

72137097

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	
	N/A			RCD	N/A
	3610090			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

N/A

System Category

N/A

Description of areas protected
(LD2 & PD2 systems only)

N/A

Signature

Date

28/02/2024

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

N/A

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

N/A

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.,'

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

Airflow measurement

Model

Model Number

Ex tech AN300-3

606990140-20

Type

Certificate Number

N/A

12000098

UKAS calibration date

24/12/2023

Test Method Used

2

Conditional method. Complete boxes (a), (b), (c), (d), (e), (f), (g) and (h)

Please refer to NHBC Guidance Note for further information on Methods

(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

DOMUS

CMX-MULTI

19

N/A

N/A

21

Pass

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

N/A

N/A

DISTRIBUTION BOARD DETAILS FOR																				Apartment G01 Jefferson Place Manchester M4 4AZ									
DB ref:	DB1		Zs at this board (Ω):	0.14	lpf at this board (kA):	1.714	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:	Dining area		Phase Sequence Confirmed (where appropriate)		N/A	Supplied from:	Sub Main			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					Polarity	Maximum measured Zs Ω	RCD		AFDD
Live (mm²)	cpc (mm²)	Type BS (EN)	Type	Rating	Breaking capacity (kA)	Max permitted Zs (Ω)		80%	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)	Disconnection time (ms)	Test button/fucntionality			Manual test button/ functionality		
													r ₁ (line)	r _n (neutral)	r ₂ (cpc)	(R ₁ + R ₂)	R ₂												

1	Sub main (supply to DB)	F	C	1	16	16	5	1361	2	80	33	0.38	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.09	N/A	500	N/A	>500	>500	>500	✓	0.14	N/A	N/A	N/A
2	Shower	A	C	1	10	4.0	5	61009	B	45	6	0.29	61009	A	30	45	N/A	N/A	N/A	0.12	N/A	500	N/A	>500	>500	>500	✓	0.20	38.7	✓	N/A
3	Hob supply	A	C	1	6	2.5	0.4	61009	B	32	6	1.10	61009	A	30	32	N/A	N/A	N/A	0.12	N/A	500	N/A	>500	>500	>500	✓	0.20	38.7	✓	N/A
4	Kitchen sockets	A	C	4	2.5	1.5	0.4	61009	B	25	6	1.40	61009	A	30	25	0.15	0.15	0.24	0.36	N/A	500	N/A	>500	>500	>500	✓	0.44	38.7	✓	N/A
5	Apartment sockets	A	C	8	2.5	1.5	0.4	61009	B	20	6	1.75	61009	A	30	20	N/A	N/A	N/A	0.94	N/A	500	N/A	>500	>500	>500	✓	1.02	38.7	✓	N/A
6	Oven supply	A	C	1	2.5	1.5	0.4	61009	B	20	6	1.75	61009	A	30	20	N/A	N/A	N/A	0.56	N/A	500	N/A	>500	>500	>500	✓	0.64	38.7	✓	N/A
7	Kitchen water heater	A	C	1	2.5	1.5	0.4	61009	B	16	6	2.18	61009	A	30	16	N/A	N/A	N/A	0.65	N/A	500	N/A	>500	>500	>500	✓	0.73	38.7	✓	N/A
8	Bedroom & living room heaters	A	C	2	2.5	1.5	0.4	61009	B	16	6	2.18	61009	A	30	16	N/A	N/A	N/A	0.71	N/A	500	N/A	>500	>500	>500	✓	0.73	38.7	✓	N/A
9	Kitchen & bathroom heaters	A	C	2	2.5	1.5	0.4	61009	B	16	6	2.18	61009	A	30	16	N/A	N/A	N/A	0.63	N/A	500	N/A	>500	>500	>500	✓	0.71	38.7	✓	N/A
10	Lighting & extraction	A	C	15	1.0	1.0	0.4	61009	B	6	6	5.82	61009	A	30	6	N/A	N/A	N/A	1.01	N/A	500	N/A	>500	>500	>500	✓	1.09	38.7	✓	N/A
11	Smoke detectors & door bell supply	A	C	4	1.0	1.0	0.4	61009	B	6	6	5.82	61009	A	30	6	N/A	N/A	N/A	0.72	N/A	500	N/A	>500	>500	>500	✓	0.80	38.7	✓	N/A

Not all SPDs have visible functionality indication. RCD effectiveness is verified using an alternating current test at rated residual operating current (IΔn). 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.