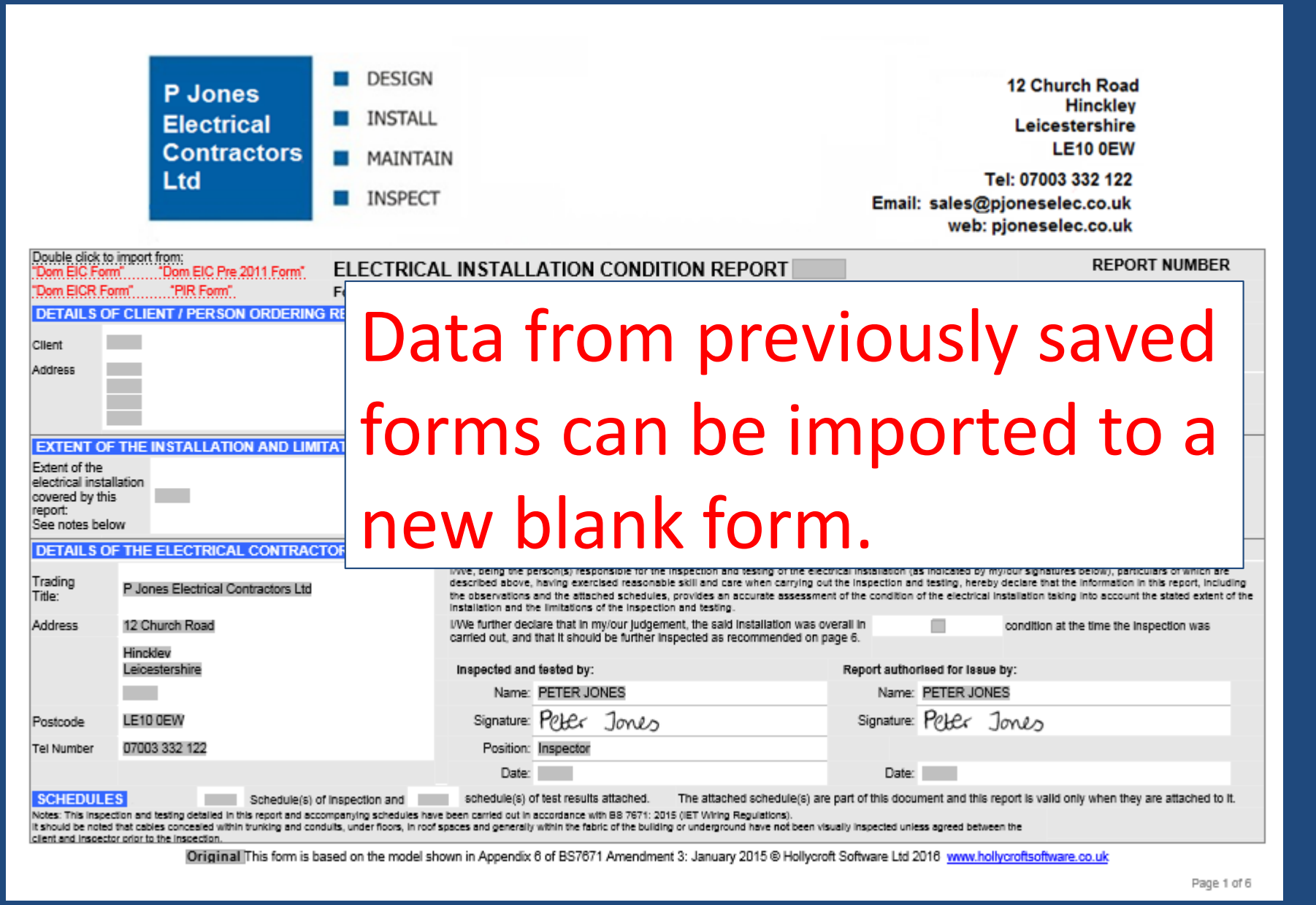
Electrical Contractor's Office 2016 Demo

Part 2: Importing data to certificates



Data from previously saved forms can be imported to a new blank form.

P Jones Electrical Contractors Ltd

- DESIGN
- INSTALL
- MAINTAIN
- INSPECT

12 Church Road
Hinckley
Leicestershire
LE10 0EW

Tel: 07003 332 122
Email: sales@pjoneselec.co.uk
web: pjoneselec.co.uk

Double click to import from:
"Dom EIC Form" "Dom EIC Pre 2011 Form"
"Dom EICR Form" "PIR Form"

ELECTRICAL INSTALLATION CONDITION REPORT

For premises up to 100A supply

REPORT NUMBER

Press tab key after entering Report Number. EICR 1671

DETAILS OF CLIENT / PERSON ORDERING REPORT

Client: Manor House

Address: 40 London Road, Leicester, LE1 3RR

DETAILS OF THE INSTALLATION WHICH IS THE SUBJECT OF THIS REPORT

Occupier: Manor House

Address: 40 London Road, Leicester, LE1 3RR

Estimated age of the wiring system: 20 years

Evidence of alterations or additions: Yes — If yes, estimated age: 3 years

Date of previous inspection: Not Known

Installation records available (Regulation 621.1): Yes

EXTENT OF THE INSTALLATION AND LIMITATION

Extent of the electrical installation covered by this report: Full Installation
See notes below

After a few seconds the data appears on the form.

DETAILS OF THE ELECTRICAL CONTRACTOR

Trading Title: P Jones Electrical

Address: 12 Church Road, Hinckley, Leicestershire

Postcode: LE10 0EW

Tel Number: 07003 332122

Inspected and tested by:

Name: PETER JONES

Signature: Peter Jones

Position: Inspector

Date: 05/04/16

Report authorised for issue by:

Name: PETER JONES

Signature: Peter Jones

Date: 05/04/16

SCHEDULES 2 Schedule(s) of inspection and 2 schedule(s) of test results attached. The attached schedule(s) are part of this document and this report is valid only when they are attached to it.

Notes: This inspection and testing detailed in this report and accompanying schedules have been carried out in accordance with BS 7671: 2015 (IET Wiring Regulations).
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 visually inspected unless agreed between the client and inspector prior to the inspection.

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EXTENT OF THE INSTALLATION AND LIMITATIONS OF THE INSPECTION AND TESTING

Extent of the electrical installation covered by this report: Full Installation
See notes below

REASON FOR PRODUCING THIS REPORT

Data can be modified as required.

DETAILS OF THE ELECTRICAL CONTRACTOR

Trading Title: P Jones Electrical

Address: 12 Church Road, Hinckley, Leicestershire

Postcode: LE10 0EW

Tel Number: 07003 332122

Inspected and tested by:

Name: PETER JONES

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Signature: Peter Jones

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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 visually inspected unless agreed between the client and inspector prior to the inspection.

SUMMARY OF THE INSPECTION

REPORT NUMBER

EICR

General condition of the installation

NEXT INSPECTION

Also refer to Observations and recommendations for actions to be taken on page 6.

Subject to the necessary remedial works being completed,

I/We recommend that this installation is further inspected and tested after an interval of not more than: (Enter interval in terms of years or months, as appropriate)

Additional observation pages Page no(s)

SUPPLY CHARACTERISTICS AND EARTHING ARRANGEMENTS

Earthing arrangements

TN-S TN-C TN-C-S TT

Number and Type of Live Conductors

1-phase, 2-wire 2-phase, 3-wire 3 phase, 3-wire 3-phase, 4-wire Other (as detailed on attached Inspection Schedule)

Other (Details)

Nature of Supply Parameters

Nominal voltages, U/U_0 [1]: 230 V

Prospective fault current, I_{pf} [2]: kA

Nominal Frequency [1]: 50 Hz

External earth fault loop impedance, Z_e [2]: Ω

Other sources of supply: -

(Note [1] by enquiry, [2] by enquiry or by measurement)

Supply Protective Device(s) Characteristics

BS (EN)

Type

Rated current A

Short Circuit Capacity kA

PARTICULARS OF THE INSTALLATION REFERRED TO IN THIS REPORT

Mean of Earthing

Distributor's Facility

Installation earth electrode: -

Details of Installation Earth Electrode

Type: -

Location: -

Electrode resistance to earth R_A: - Ω

Method of Measurement: -

Protective measures for fault protection: ADS

Measured Z_s Ω

Maximum demand (load) kVA

Number of smoke alarms

Main Switch / Switch-Fuse / Circuit-breaker RCD

Type BS(EN)

No of poles

Supply conductors material

Location

Voltage rating: 230 V

Current rating A

Fuse/device rating or setting A

Supply conductors csa

RCD operating current, $I_{\Delta n}$* mA

RCD operating time, (at $I_{\Delta n}$)* ms

* applicable only where an RCD is used as a main circuit-breaker

Main protective conductors

Earthing Conductor	Material: Copper	csa: mm²	Connection / continuity verified	Water installation pipes	Oil installation pipes
Main protective bonding conductors	Material: Copper	csa: mm²	Connection / continuity verified	Gas installation pipes	Structural steel
				Other incoming service(s)	Steel Details

SUMMARY OF THE INSPECTION

REPORT NUMBER

EICR 1671

General condition of the installation

The wiring in this installation is in good condition
The following have been visually inspected: Shower Isolation Switch, Shower, Hob Isolation Switch, Extractor Fan Relays, 8 Sockets, 3 Fused Spurs, 5 Outside Lights, 8 Internal Lights Hall Track Spotlight, 5 Switches.

NEXT INSPECTION

Also refer to Observations and recommendations for actions to be taken on page 6.

Subject to the necessary remedial works being completed,

I/We recommend that this installation is further inspected and tested after an interval of not more than: 5 years (Enter interval in terms of years or months, as appropriate)

Additional observation pages — Page no(s)

Data continues to import

SUPPLY CHARACTERISTICS AND EARTHING ARRANGEMENTS

Earthing arrangements: TN-S √ | TN-C | TN-C-S | TT | Other (Details)

Number and Type of Live Conductors: 1-phase, 2-wire √ | 2-phase, 3-wire | 3 phase, 3-wire | 3-phase, 4-wire | (as detailed on attached Inspection Schedule) | Other -

Nominal voltages,

Prospective fault curre

(Note [1] by enquiry, [2] by enquiry or by measurement)

Supply Protective Device(s) Characteristics

(EN) 1361

Type B

Rated current 100 A

Short Circuit Capacity 16 kA

PARTICULARS OF THE INSTALLATION REFERRED TO IN THIS REPORT

Means of Earthing

Distributor's Facility √

Installation earth electrode -

Details of Installation Earth Electrode

Type -

Location -

Electrode resistance to earth R_A - Ω

Method of Measurement -

Protective measures for fault protection: ADS

Measured Z_e 0.13 Ω

Maximum demand (load) 11 kVA

Number of smoke alarms -

Main Switch / Switch-Fuse / Circuit-breaker RCD

Type BS(EN) 60947-3

No of poles 2

Supply conductors material Copper

Location Hall Cupboard

Voltage rating 230 V

Current rating 100 A

Fuse/device rating or setting N/A A

Supply conductors csa 25

RCD operating current, $I_{\Delta n}$* N/A mA

RCD operating time, (at $I_{\Delta n}$)* N/A ms

* applicable only where an RCD is used as a main circuit-breaker

Main protective conductors

	Material	csa		Connection / continuity verified
Earthing Conductor	Copper	16	mm²	
Main protective bonding conductors	Copper	10	mm²	√

Water installation pipes √ | Oil installation pipes

Gas installation pipes √ | Structural steel

Other incoming service(s) | State Details

SCHEDULE OF CIRCUIT DETAILS FOR THE INSTALLATION

REPORT NUMBER

EICR

Distribution Board (DB) Reference No			Details of circuits and/or installed equipment vulnerable to damage when testing			
Location						
Z_e at DB	Ω	I_{pf} at DB	kA	Correct supply polarity confirmed	Phase sequence confirmed (where appropriate)	

CIRCUIT DETAILS

Circuit Ref	Circuit Description	Type of wiring (see code)	Reference method	Number of points served	Circuit conductors: csa – Live (mm²)	Circuit conductors: csa – cpc (mm²)	Max discon time permitted by BS7671 (s)	Overcurrent protective devices – BS(EN)	Overcurrent protective devices – Type No	Overcurrent protective devices – Rating (A)	Overcurrent protective devices – Breaking Capacity (kA)	RCD – Operating current, $I_{\Delta n}$ (mA)	Maximum Z_s permitted by BS7671

TEST RESULTS

"Click here to delete test results"

Circuit Impedances (Ω) – Continuity – Ring final circuits only (measured end to end) – L-L	N-N	CPC-CPC	$R_1 + R_2$ or R_2 – $R_1 + R_2$	R_2	Insulation resistance – L-L* (MΩ)	Insulation resistance – L-E ** (MΩ)	Polarity (√)	Max measure earth fault loop impedance, Zs (Ω)	RCD / RCBO – Operating Times – at $I_{\Delta n}$ (ms)	RCD / RCBO – Operating Times – at $5I_{\Delta n}$ (ms)	Functional Testing	Remarks

Click this box to create / update Distribution Board Chart | * (Record lowest value measured - Line/Line if applicable or Line(s)/Neutral) | ** (Record lowest value measured – Line(s)/Earth or Neutral/Earth) | "Create Continuation Form"

Codes for Type of Wiring	A- Thermoplastic insulated/ sheathed cables	B - Thermoplastic cables in metallic conduit	C - Thermoplastic cables in non-metallic conduit	D - Thermoplastic cables in metallic trunking	E - Thermoplastic cables in non-metallic trunking	F- Thermoplastic/ SWA cables	G- Thermosetting/SWA cables	H - Mineral insulated cables	O - Other Details (please state)		"Create Sub Dist Form".

TEST INSTRUMENTS

(Serial Numbers)

"Double click to enter the number of Continuation Forms you have created" ... If you are using Word 2003, double click this box and enter 0 to fix page numbering problems

Insulation resistance		Continuity		Earth fault loop impedance	
Multi-functional		Earth electrode resistance		RCD	

SCHEDULE OF CIRCUIT DETAILS FOR THE INSTALLATION

REPORT NUMBER

EICR

Distribution Board (DB) Reference No

Location

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

Z_s at DB Ω I_{pf} at DB kA

Correct supply polarity confirmed

Phase sequence confirmed (where appropriate)

CIRCUIT DETAILS

TEST RESULTS

"Click here to delete test results"

Circuit Ref	Circuit Description	Type of wiring (see code)	Reference method	Number of points served	Circuit conductors: csa		Max disconnection time permitted by BS7671	Overcurrent protective devices				RCD	Maximum Z_s permitted by BS7671	Circuit Impedances (Ω)		Insulation resistance		Polarity	Max measure earth fault loop impedance, Zs	RCD / RCBO		Remarks
					Live	cpc		BS(EN)	Type No	Rating	Breaking Capacity	Operating current, $I_{\Delta n}$		Continuity		L-L*	L-E**			Operating Times		
					(mm²)	(mm²)	(s)			(A)	(kA)	(mA)		Ring final circuits only (measured end	$R_1 + R_2$					at	at $5I_{\Delta n}$	

Data continues to import

Click this box to create / update Distribution Board Chart

* (Record lowest value measured - Line/Line if applicable or Line(s)/Neutral) | ** (Record lowest value measured – Line(s)/Earth or Neutral/Earth)

"Create Continuation Form"

Codes for Type of Wiring: A- Thermoplastic insulated/ sheathed cables; B - Thermoplastic cables in metallic conduit; C - Thermoplastic cables in non-metallic conduit; D - Thermoplastic cables in metallic trunking; E - Thermoplastic cables in non-metallic trunking; F- Thermoplastic/ SWA cables; G- Thermosetting/SWA cables; H - Mineral insulated cables; O - Other Details (please state)

"Create Sub Dist Form"

TEST INSTRUMENTS (Serial Numbers)

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Insulation resistance		Continuity		Earth fault loop impedance	
Multi-functional		Earth electrode resistance		RCD	

SCHEDULE OF CIRCUIT DETAILS FOR THE INSTALLATION DB1

REPORT NUMBER
EICR 1671

Distribution Board (DB) Reference No: DB1
Location: Hall Cupboard
Details of circuits and/or installed equipment vulnerable to damage when testing: Fire Alarm, Intruder Alarm, Emergency Lights
Z_s at DB: 0.13 Ω I_{pf} at DB: 1.81 kA
Correct supply polarity confirmed: √ Phase sequence confirmed (where appropriate):

CIRCUIT DETAILS

TEST RESULTS

"Click here to delete test results"

Circuit Ref	Circuit Description	Type of wiring (see code)	Reference method	Number of points served	Circuit conductors: csa		Max disconnection time permitted by BS7671	Overcurrent protective devices				RCD	Maximum Z_s permitted by BS7671	Circuit Impedances (Ω)				Insulation resistance		Polarity	Max measured earth fault loop impedance, Zs	RCD / RCBO		Functional Testing	Remarks
					Live	cpc		BS(EN)	Type No	Rating	Breaking Capacity	Operating current, $I_{\Delta n}$		Continuity				L-L*	L-E**			Operating Times			
														Ring final circuits only (measured end to end)			$R_1 + R_2$ or R_2					at $I_{\Delta n}$	at $5I_{\Delta n}$		
					(mm²)	(mm²)	(s)			(A)	(kA)	(mA)		L-L	N-N	CPC-CPC	$R_1 + R_2$	R_2	(MΩ)	(MΩ)	(V)	(Ω)	(ms)	(ms)		
1	Fire Alarm	A	C	1	1.5	1.5	0.4	61009-1	B	6	6	30	7.28					0.37	>100	>100	√	0.90	28.6	19.2	√	
2	Spare Blanked Off																									
	RCD			5			0.4	61009-1	B	80	6	30	0.55							√		46.6	30.4	√	
	RCD			5			0.4	61009-1	B	80	6	30	0.55							√		46.6	30.4	√	
3	Kitchen Ring Left Hand Side & Combi Boiler	A	101	3	2.5	1.5	0.4	60898	B	20	6	30	2.19	0.65	0.64	>100		0.15	>100	>100	√	0.56			√	6.0mm T & E From CU
4	Shower	A	101	1	10.0	4.0	0.4	60898	B	40	6	30	1.09					0.14	>100	>100	√	0.23			√	
5	Ring Main Foyer & Store Room	A	101	4	2.5	1.5	0.4	60898	B	20	6	30	2.19					0.36	>100	>100	√	0.89			√	Radial Circuit
6	Lighting	A	101	18	1.5	1.0	0.4	60898	B	10	6	30	4.37					0.26	>100	>100	√	0.77			√	Measured Middle Room E Light
7	Lighting	A	101	14	1.5	1.0	0.4	60898	B	6	6	30	7.28					0.45	>100	>100	√	1.39			√	Measured O/Side Light Near Front Door
8	Spare Blanked Off																									
9	Spare Blanked Off																									
	RCD			5			0.4	61009-1	B	80	6	30	0.55							√		40.0	16.0	√	
																				√		40.0	16.0	√	
10	Ring Main Hal / Disco Room	A	101	13	2.5	1.5	0.4	60898	B	32	6	30	1.37	0.65	0.69	1.15		0.42			√	0.56			√	
11	Extractor Fans	A	101	2	2.5	1.5	0.4	60898	B	16	6	30	2.73					0.15	>100	>100	√	0.48			√	Relay Switches in Office
12	Lighting	A	101	11	1.5	1.0	0.4	60898	B	6	6	30	7.28					0.63	>100	>100	√	1.62			√	
13	Lighting	A	101	1	1.5	1.0	0.4	60898	B	6	6	30	7.28					0.07	>100	>100	√	0.16			√	
14	Lighting	A	101	5	1.5	1.0	0.4	60898	B	6	6	30	7.28					0.61	>100	>100	√	1.27			√	

Click this box to create / update Distribution Board Chart | * (Record lowest value measured - Line/Line if applicable or Line(s)/Neutral) | ** (Record lowest value measured – Line(s)/Earth or Neutral/Earth) | "Create Continuation Form"

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"Create Sub Dist Form"

TEST INSTRUMENTS (Serial Numbers)

"Double click to enter the number of Continuation Forms you have created" . . . If you are using Word 2003, double click this box and enter 0 as no page numbering appears

Insulation resistance	224693	Continuity	224693	Earth fault loop Impedance	224693
Multi-functional	224693	Earth electrode resistance		RCD	224693

SCHEDULE OF CIRCUIT DETAILS FOR THE INSTALLATION DB1

REPORT NUMBER
EICR 1671

Distribution Board (DB) Reference No: DB1
Location: Hall Cupboard
Details of circuits and/or installed equipment vulnerable to damage when testing: Fire Alarm, Intruder Alarm, Emergency Lights
Z_s at DB: 0.13 Ω I_{pf} at DB: 1.81 kA Correct supply polarity confirmed: √ Phase sequence confirmed (where appropriate):

CIRCUIT DETAILS

TEST RESULTS

"Click here to delete test results"

Circuit Ref	Circuit Description	Type of wiring (see code)	Reference method	Number of points served	Circuit conductors: csa Live (mm²)	Circuit conductors: csa cpc (mm²)	Max disconnection time permitted by BS7671 (s)	Overcurrent protective devices BS(EN)	Overcurrent protective devices Type No	Overcurrent protective devices Rating (A)	Overcurrent protective devices Breaking Capacity (kA)	RCD Operating current $I_{\Delta n}$ (mA)	Maximum Z_s permitted by BS7671	Circuit Impedances (Ω) Continuity: Ring final circuits only (measured end to end) L-L	Ring final circuits only (measured end to end) N-N	Ring final circuits only (measured end to end) CPC-CPC	$R_1 + R_2$ or R_2 $R_1 + R_2$	$R_1 + R_2$ or R_2 R_2	Insulation resistance L-L* (MΩ)	Insulation resistance L-E ** (MΩ)	Polarity (√)	Max measure earth fault loop impedance, Zs (Ω)	RCD / RCBO Operating Times at $I_{\Delta n}$ (ms)	RCD / RCBO Operating Times at $5I_{\Delta n}$ (ms)	Functional Testing	Remarks
1	Fire Alarm	A	C	1	1.5	1.5	0.4	61009-1	B	6	6	30	7.28													
2	Spare Blanked Off																									
	RCD			5			0.4	61009-1	B	80	6	30	0.55													
	RCD			5			0.4	61009-1	B	80	6	30	0.55													
3	Kitchen Ring Left Hand Side & Combi Boiler	A	101	3	2.5	1.5	0.4	60898	B	20	6	30	2.19													om CU
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7	Lighting	A	101	14	1.5	1.0	0.4	60898	B	6	6	30	7.28													e Light
8	Spare Blanked Off																									
9	Spare Blanked Off																									
	RCD			5			0.4	61009-1	B	80	6	30	0.55													
10	Ring Main Hall / Disco Room	A	101	13	2.5	1.5	0.4	60898	B	32	6	30	1.37													
11	Extractor Fans	A	101	2	2.5	1.5	0.4	60898	B	16	6	30	2.73													e Office
12	Lighting	A	101	11	1.5	1.0	0.4	60898	B	6	6	30	7.28						0.63	>100	>100	√	1.62			√	
13	Lighting	A	101	1	1.5	1.0	0.4	60898	B	6	6	30	7.28						0.07	>100	>100	√	0.16			√	
14	Lighting	A	101	5	1.5	1.0	0.4	60898	B	6	6	30	7.28						0.61	>100	>100	√	1.27			√	

Circuit details are imported.

If the software detects older Max Zs values, it will ask if you wish to update them to Amendment 3 values.

Click this box to create / update Distribution Board Chart | * (Record lowest value measured - Line/Line if applicable or Line(s)/Neutral) | ** (Record lowest value measured – Line(s)/Earth or Neutral/Earth) | "Create Continuation Form"

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"Create Sub Dist Form"

TEST INSTRUMENTS (Serial Numbers)

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Insulation resistance	224693	Continuity	224693	Earth fault loop impedance	224693
Multi-functional	224693	Earth electrode resistance		RCD	224693

SCHEDULE OF CIRCUIT DETAILS FOR THE INSTALLATION DB1

REPORT NUMBER
EICR 1671

Distribution Board (DB) Reference No: DB1
Location: Hall Cupboard
Details of circuits and/or installed equipment vulnerable to damage when testing: Fire Alarm, Intruder Alarm, Emergency Lights
Z_s at DB: 0.13 Ω I_{pf} at DB: 1.81 kA
Correct supply polarity confirmed: √ Phase sequence confirmed (where appropriate):

CIRCUIT DETAILS

TEST RESULTS

"Click here to delete test results"

Circuit Ref	Circuit Description	Type of wiring (see code)	Reference method	Number of points served	Circuit conductors: csa Live (mm²)	Circuit conductors: csa cpc (mm²)	Max disconn time permitted by BS7671 (s)	Overcurrent protective devices BS(EN)	Overcurrent protective devices Type No	Overcurrent protective devices Rating (A)	Overcurrent protective devices Breaking Capacity (kA)	RCD Operating current, $I_{\Delta n}$ (mA)	Maximum Z_s permitted by BS7671	Circuit Impedances (Ω) Continuity: Ring final circuits only (measured end to end) L-L	Ring final circuits only (measured end to end) N-N	Ring final circuits only (measured end to end) CPC-CPC	$R_1 + R_2$ or R_2 $R_1 + R_2$	$R_1 + R_2$ or R_2 R_2	Insulation resistance L-L* (MΩ)	Insulation resistance L-E ** (MΩ)	Polarity (√)	Max measure earth fault loop impedance, Zs (Ω)	RCD / RCBO Operating Times at $I_{\Delta n}$ (ms)	RCD / RCBO Operating Times at 5$I_{\Delta n}$ (ms)	Functional Testing	Remarks
1													1.28					0.37	>100	>100	√	0.90	28.6	19.2	√	
2																										
													1.55								√		46.6	30.4	√	
													1.55								√		46.6	30.4	√	
3													1.19	0.65	0.64	>100		0.15	>100	>100	√	0.56			√	6.0mm T & E From CU
4													1.09					0.14	>100	>100	√	0.23			√	
5													1.19					0.36	>100	>100	√	0.89			√	Radial Circuit
6													1.37					0.26	>100	>100	√	0.77			√	Measured Middle Room E Light
7													1.28					0.45	>100	>100	√	1.39			√	Measured O/Side Light Near Front Door
8																										
9																										
	RCD			5			0.4	61009-1	B	80	6	30	0.55								√		40.0	16.0	√	
																					√		40.0	16.0	√	
10	Ring Main Hall / Disco Room	A	101	13	2.5	1.5	0.4	60898	B	32	6	30	1.37	0.65	0.69	1.15		0.42			√	0.56			√	
11	Extractor Fans	A	101	2	2.5	1.5	0.4	60898	B	16	6	30	2.73					0.15	>100	>100	√	0.48			√	Relay Switches in Office
12	Lighting	A	101	11	1.5	1.0	0.4	60898	B	6	6	30	7.28					0.63	>100	>100	√	1.62			√	
13	Lighting	A	101	1	1.5	1.0	0.4	60898	B	6	6	30	7.28					0.07	>100	>100	√	0.16			√	
14	Lighting	A	101	5	1.5	1.0	0.4	60898	B	6	6	30	7.28					0.61	>100	>100	√	1.27			√	

It will also ask if you wish to import test result values.

Click this box to create / update Distribution Board Chart | * (Record lowest value measured - Line/Line if applicable or Line(s)/Neutral) | ** (Record lowest value measured – Line(s)/Earth or Neutral/Earth) | Create Continuation Form

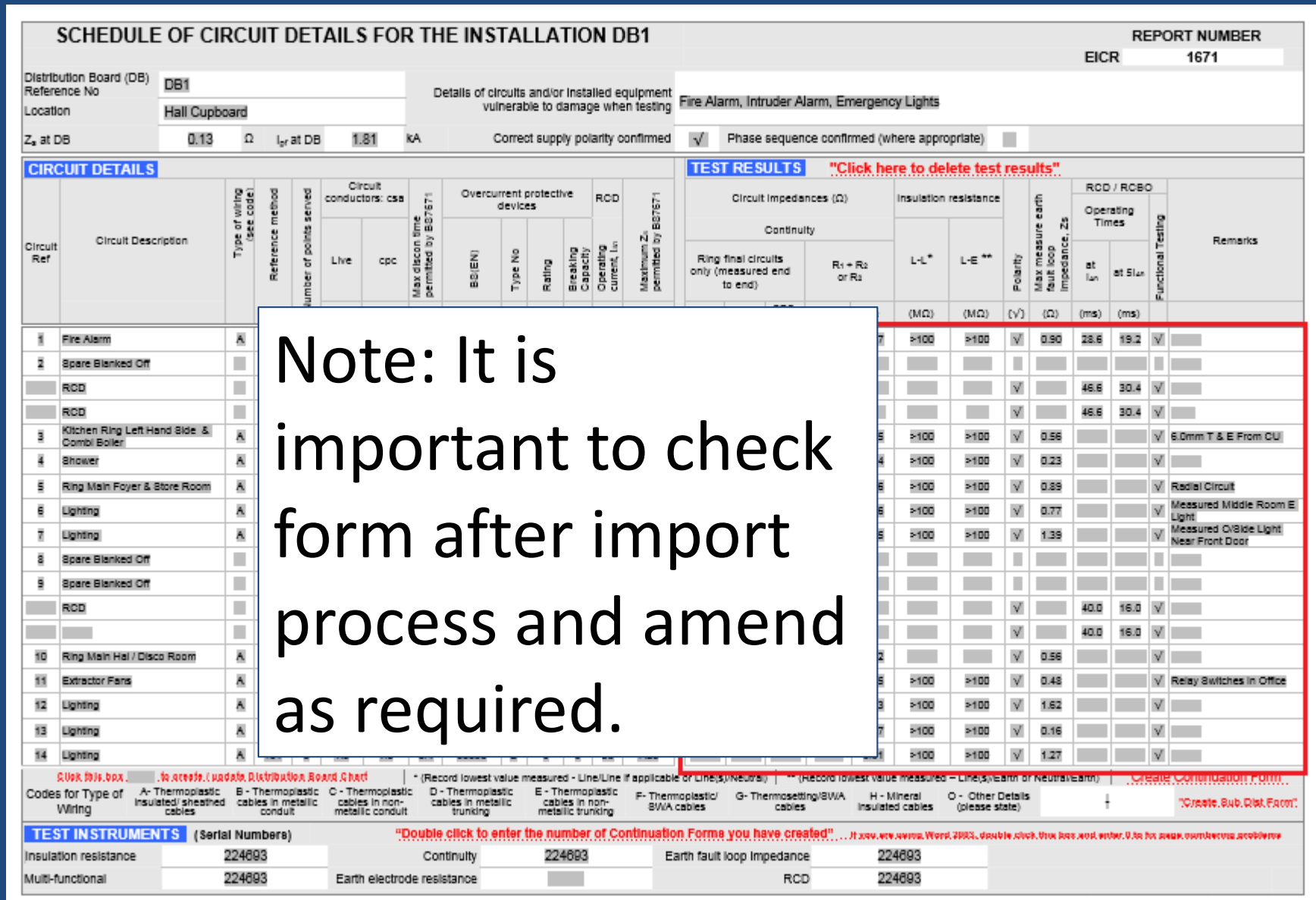
Codes for Type of Wiring: A- Thermoplastic insulated/ sheathed cables; B - Thermoplastic cables in metallic conduit; C - Thermoplastic cables in non-metallic conduit; D - Thermoplastic cables in metallic trunking; E - Thermoplastic cables in non-metallic trunking; F- Thermoplastic/ SWA cables; G- Thermosetting/SWA cables; H - Mineral insulated cables; O - Other Details (please state)

"Create Sub Dist Form"

TEST INSTRUMENTS (Serial Numbers)

"Double click to enter the number of Continuation Forms you have created" . . . If you are using Word 2003, double click this box and enter 0 to remove continuous problems

Insulation resistance	224693	Continuity	224693	Earth fault loop impedance	224693
Multi-functional	224693	Earth electrode resistance		RCD	224693



SCHEDULE OF CIRCUIT DETAILS FOR THE INSTALLATION DB1

REPORT NUMBER
EICR 1671

Distribution Board (DB) Reference No: DB1
Location: Hall Cupboard
Details of circuits and/or installed equipment vulnerable to damage when testing: Fire Alarm, Intruder Alarm, Emergency Lights
Z_s at DB: 0.13 Ω I_{pf} at DB: 1.81 kA Correct supply polarity confirmed: √ Phase sequence confirmed (where appropriate):

CIRCUIT DETAILS | **TEST RESULTS** | "Click here to delete test results"

Circuit Ref	Circuit Description	Type of wiring (see code)	Reference method	Number of points served	Circuit conductors: csa Live	Circuit conductors: csa cpc	Max disconn time permitted by BS7671	Overcurrent protective devices BS(EN)	Overcurrent protective devices Type No	Overcurrent protective devices Rating	Overcurrent protective devices Breaking Capacity	RCD Operating current, $I_{\Delta n}$	Maximum Z_s permitted by BS7671	Circuit Impedances (Ω) Continuity: Ring final circuits only (measured end to end)	Circuit Impedances (Ω) Continuity: $R_1 + R_2$ or R_2	Insulation resistance L-L* (MΩ)	Insulation resistance L-E ** (MΩ)	Polarity (√)	Max measure earth fault loop impedance, Zs (Ω)	RCD / RCBO Operating Times at $I_{\Delta n}$ (ms)	RCD / RCBO Operating Times at $5I_{\Delta n}$ (ms)	Functional Testing	Remarks
1	Fire Alarm	A														>100	>100	√	0.90	28.6	19.2	√	
2	Spare Blanked Off																						
	RCD																	√		46.6	30.4	√	
	RCD																	√		46.6	30.4	√	
3	Kitchen Ring Left Hand Side & Combi Boiler	A														>100	>100	√	0.56			√	6.0mm T & E From CU
4	Shower	A														>100	>100	√	0.23			√	
5	Ring Main Foyer & Store Room	A														>100	>100	√	0.89			√	Radial Circuit
6	Lighting	A														>100	>100	√	0.77			√	Measured Middle Room E Light
7	Lighting	A														>100	>100	√	1.39			√	Measured O/Side Light Near Front Door
8	Spare Blanked Off																						
9	Spare Blanked Off																						
	RCD																	√		40.0	16.0	√	
																		√		40.0	16.0	√	
10	Ring Main Hall / Disco Room	A																√	0.56			√	
11	Extractor Fans	A														>100	>100	√	0.48			√	Relay Switches in Office
12	Lighting	A														>100	>100	√	1.62			√	
13	Lighting	A														>100	>100	√	0.16			√	
14	Lighting	A														>100	>100	√	1.27			√	

Note: It is important to check form after import process and amend as required.

Click this box to create / update Distribution Board Chart | * (Record lowest value measured - Line/Line if applicable or Line(s)/Neutral) | ** (Record lowest value measured – Line(s)/Earth or Neutral/earth) | Create Continuation Form

Codes for Type of Wiring: A- Thermoplastic insulated/ sheathed cables; B - Thermoplastic cables in metallic conduit; C - Thermoplastic cables in non-metallic conduit; D - Thermoplastic cables in metallic trunking; E - Thermoplastic cables in non-metallic trunking; F- Thermoplastic/ SWA cables; G- Thermosetting/SWA cables; H - Mineral insulated cables; O - Other Details (please state)

"Create Sub Dist Form"

TEST INSTRUMENTS (Serial Numbers)

"Double click to enter the number of Continuation Forms you have created" . . . If you are using Word 2003, double click this box and enter 0 to hide continuation problems

Insulation resistance	224693	Continuity	224693	Earth fault loop impedance	224693
Multi-functional	224693	Earth electrode resistance		RCD	224693