

New Form Filling Features for 2017

Auto-filling Circuit Reference Numbers

Our software can fill our circuit reference numbers automatically.

SCHEDULE OF CIRCUIT DETAILS FOR THE INSTALLATION

REPORT NUMBER

EICR

To be completed in every case

Distribution Board (DB) Reference No

Location

Z_s at DB Ω

I_{pr} at DB kA

Complete only if distribution board is not connected directly to the origin of the installation.

Distribution board is supplied from

Details of distribution circuit

Overcurrent protective device for the distribution circuit:

Type: BS (EN) Rating A

At I_{Δn} (mA) RCD No of Poles

No of phases Nominal voltage V

Associated RCD (if any):

Type: BS (EN)

CIRCUIT DESCRIPTION "Double click to insert N/A into all cells of circuit details and test results." Do not use if you have already entered data!

Right click Circuit Ref boxes to add N/A to rows or to clear row entries

Circuit Ref	Circuit description	Type of wiring (see code below)	Reference method *	Number of points served	Circuit conductor csa (mm ²)	Overcurrent protection	RCD / RCBO
					Live	CPC	Max disconnection Time permitted by BS 7671 (s)
<input style="width: 100%;" type="text"/>							
<input style="width: 100%;" type="text"/>							
<input style="width: 100%;" type="text"/>							

Populate Circuit Ref Fields

Number of Phases

Three Phase Method A - 1L1, 2L2

Range of Ways for this sheet

Just select the type of numbering you require:

- **Single Phase** numbering (1, 2, 3, 4, etc),
- **3 Phase Method A** (as shown below),
- Or **3 Phase Method B** (1L1, 1L2, 1L3, 2L1, 2L2, 2L3 etc).

Choose how many circuits you wish to fill and the rest is done for you.

CIRCUIT DESCRIPTION "Double click to insert N/A into all cells of circuit details and test results." Do not use if you have already entered data!

Right click Circuit Ref boxes to add N/A to rows or to clear row entries

Circuit Ref	Circuit description	Type of wiring (see code below)	Reference method *	Number of points served	Circuit conductor csa (mm ²)	Overcurrent protection	RCD / RCBO
					Live	CPC	Max disconnection Time permitted by BS 7671 (s)
<input style="width: 100%;" type="text"/>							
<input style="width: 100%;" type="text"/>							
<input style="width: 100%;" type="text"/>							
<input style="width: 100%;" type="text"/>							
<input style="width: 100%;" type="text"/>							
<input style="width: 100%;" type="text"/>							
<input style="width: 100%;" type="text"/>							
<input style="width: 100%;" type="text"/>							

Note: You can auto-fill continuation sheets and Sub Distribution Board forms circuit ref numbers in the same way.

Auto-fill Circuit Details

Filling in circuit details can be a tedious job. So to save time, our software allows you to store commonly used circuit values to quickly select from, modify and transfer to the form.

The software comes pre-loaded with domestic, industrial and commercial circuits. You just select from the list, and modify, then click the "Use" button to add the data to the form.

Ref	Circuit Description	Type (see doc)	Reference	Number of	Live	CPC	Max disconn permitted by BS7671	BS (EN)	Type	Rating (A)	Breaking capacity (kA)	Rated operating current (A)	Maximum Zs BS 7671
1	COOKER	A	C	1	6	2.5	0.4	60898	B	32	10	N/A	1.37
2													

CIRCUIT TEMPLATE WIZARD

Circuit Description: LIGHTING 1ST FLOOR Circuit Conductor Size: 1.5 Overcurrent Protection: 60898 BS(EN): 60898

Type of Wiring: A - PVC/PVC cables Live (mm²): 1.5 Type: B Single Phase

Reference Method: 101 - Twin and Earth cable clipped direct cpc (mm²): 2.5 Rating (A): 6 Three Phase

Number of Points Served: 8 Max disconnect time Permitted by BS7671: Breaking Capacity: 10

Select Circuit Type: Domestic Industrial Commercial Spare List RCD Operating Current IΔn: N/A

Circuit Templates:

Circuit Description	Type	Reference	Number of	Live	CPC	Max disconn permitted by BS7671	BS (EN)	Type	Rating (A)	Breaking Capacity	Rated operating current (A)	Maximum Zs BS 7671
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
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
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
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
COOKER	A	C	1	6	2.5	0.4	60898	B	32	10	N/A	1.37
COOKER LARGE	A	101	1	10	4	0.4	60898	B	40	10	N/A	1.09
IMMERSION HEATER	A	101	1	2.5	1.5	0.4	60898	B	16	10	30	2.73
LIGHTING 1ST FLOOR	A	101	1	1.5	1	0.4	60898	B	6	10	N/A	7.28
LIGHTING 2ND FLOOR	A	101	1	1.5	1	0.4	60898	B	6	10	N/A	7.28
LIGHTING BASEMENT	A	101	1	1.5	1	0.4	60898	B	6	10	N/A	7.28
LIGHTING GROUND FLOOR	A	101	1	1.5	1	0.4	60898	B	6	10	N/A	7.28
RING MAIN 1ST FLOOR	A	101	2.5	1.5	0.4	60898	B	32	10	30	1.37	
RING MAIN 2ND FLOOR	A	101	2.5	1.5	0.4	60898	B	32	10	30	1.37	
RING MAIN BASEMENT	A	101	2.5	1.5	0.4	60898	B	32	10	30	1.37	
RING MAIN GROUND FLOOR	A	101	2.5	1.5	0.4	60898	B	32	10	30	1.37	
RING MAIN KITCHEN	A	101	2.5	1.5	0.4	60898	B	32	10	30	1.37	
SHOWER	A	101	1	10	4	0.4	60898	B	40	10	30	1.09
STORAGE HEATER	A	101	1	2.5	1.5	0.4	60898	B	16	10	N/A	2.73

Number of circuits to create: 1

Buttons: Use, Save & Use, Create New, Save, Import User Circ Desc, Move to different list, Delete

The screenshot below shows the domestic circuit list. Lighting 1st Floor circuit has been selected.

The lighting circuit values are displayed above. In this example, the CPC Live value is being changed.

Then either click "Use" button to add the data to the certificate, or "Save and Use" to add the data to the cert and save/update the stored circuit data.

Notes:

- You can switch to view Industrial or Commercial circuits by clicking the "Select Circuit Type" buttons
- The "Calc MaxZs" button displays red if the Max ZS value needs to be re-calculated.
- You can create/modify as many circuits as you like. The circuits are auto-displayed alphabetically.
- You can display circuits in capitals or lower-case.

Auto-filling 3-phase circuits

There is the facility for adding 3-phase circuits to the certificate. Choose the circuit type you want, modify the circuit description, choose "Three Phase" option (shown in red box below).

CIRCUIT TEMPLATE WIZARD

Circuit Description: Lights Emergency Staircase
 Type of Wiring: D - PVC cables in metallic trunking
 Reference Method: B - Enclosed in conduit or trunking on
 Number of Points Served: 7
 Max disconnect time Permitted by BS7671: 0.4
 Circuit Conductor Size: Live (mm²): 1.5, cpc (mm²): 1.5
 Overcurrent Protection: C
 BS(EN): 60898
 Type: C
 Rating (A): 10
 Breaking Capacity: 10
 RCD Operating Current I_{Δn}: N/A
 Max Z_s permitted by BS7671: 2.19

Select Circuit Type: Domestic Industrial Commercial Spare List

Circuit Templates

Circuit Ref	Circuit description	Type of wiring (see code below)	Reference method	Number of points served	Live (mm ²)	CPC (mm ²)	Max disconnection permitted by BS 7671 (s)	BS (EN)	Type	Rating (A)	Breaking capacity (kA)	Rated operating current I _{Δn}	Maximum Z _s permitted by BS 7671 (Ω)	
N/A	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	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	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	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	
	Lights Emergency Staircase	D	B	7	1.5	1.5	0.4	60898	C	10	10	N/A	2.19	
	PVC Cable in Trunking/Conduit 10 amps	D	B	-	2.5	1.5	5	60898	C	10	10	N/A	2.19	
	PVC Cable in Trunking/Conduit 16 amps	D	B	-	2.5	1.5	5	60898	C	16	10	N/A	1.37	
	PVC Cables in Trunking /Conduit 06 Amps	D	B	-	1.5	1	5	60898	C	6	10	N/A	3.64	
	SWA Cable 2 Core 20 amps	G	E	-	1	2.5	2.5	5	60898	C	20	10	N/A	1.09
	SWA Cable 2 Core 25 amps	G	E	-	1	4	4	5	60898	C	25	10	N/A	0.87
	SWA Cable 2 Core 25 Amps	G	E	-	1	4	4	5	60898	C	25	10	N/A	0.87
	SWA Cable 2 Core 25 amps	G	E	-	1	4	4	5	60898	C	25	10	N/A	0.87
	SWA Cable 2 Core 32 amps	G	E	-	1	6	6	5	60898	C	32	10	N/A	0.68
	SWA Cable 2 Core 32 amps	G	E	-	1	6	6	5	60898	C	32	10	N/A	0.68
	SWA Cable 2 Core 40 amps	G	E	-	1	10	10	5	60898	C	40	10	N/A	0.54
	SWA Cable 2 Core 40 amps	G	E	-	1	10	10	5	60898	C	40	10	N/A	0.54
	SWA Cable 3/4 Core 10 amps	G	E	-	1	2.5	1.5	5	60898	C	10	10	N/A	2.19
	SWA Cable 3/4 Core 16 amps	G	E	-	1	2.5	2.5	5	60898	C	16	10	N/A	1.37

The 3 phases of data are populated onto the form. You can alter details for each phase separately using the dropdown boxes, as shown below.

Circuit Ref	Circuit description	Type of wiring (see code below)	Reference method	Number of points served	Live (mm ²)	CPC (mm ²)	Max disconnection permitted by BS 7671 (s)	BS (EN)	Type	Rating (A)	Breaking capacity (kA)	Rated operating current I _{Δn}	Maximum Z _s permitted by BS 7671 (Ω)
1L1	Lights Emergency Staircase (Far End)	D	B	7	1.5	1.5	0.4	60898	C	10	10	N/A	2.19
2L2	Lights Emergency Staircase (Near)	D	B	11	1.5	1.5	0.4	60898	C	10	10	N/A	2.19
3L3	Lights Main Entrance	D	B	7	1.5	1.5	0.4	60898	C	10	10	N/A	2.19
4L1													
5L2													
6L3													
7L1													
8L2													
9L3													
10L1													
11L2													

Number of points supplied

Add Item

Fill Multiple Rows

7
8
9
10
11
12
13
14

Click here or use Tab key to use the selected item

Note: To alter the circuit descriptions, close the circuit wizard screen with the red cross after it opens, then alter circuit description manually.