

Consumer unit design pack

12 Elm Grove — 3-bed semi

Generated on	09/10/2026
Standard	BS 7671:2018+A3:2024
Strategy	Balanced
Enclosure	3 rows × 13 modules

8	3	2	3	3	64 %
CIRCUITS	OUTLETS	LIGHTING	DEDICATED	RCDS	SPARE

No blocking issue detected

No points to check.

Panel layout

14 of 39 modules used · 25 free (64% spare)

Row 1	RCD01 · 30 mA RCD type A · 63 A										9 free modules
RCD01 A · 63 A 30 mA	KIT01 32 A 2.5 mm²	DED02 45 A 10 mm²									
Row 2	RCD02 · 30 mA RCD type A · 63 A										8 free modules
RCD02 A · 63 A 30 mA	DED01 45 A 10 mm²	DED03 16 A 2.5 mm²	SKT01 32 A 2.5 mm²								
Row 3	RCD03 · 30 mA RCD type A · 40 A										8 free modules
RCD03 A · 40 A 30 mA	SKT02 32 A 2.5 mm²	LTG01 6 A 1.5 mm²	LTG02 6 A 1.5 mm²								

Circuit schedule

Grouped by RCD — references match the panel labels

REF.	DESCRIPTION / AREAS	EQUIPMENT	MCB	CABLE	LOAD	NOTES
RCD01 — 30 mA RCD type A · 63 A					Row 1 · 2 circuits	
KIT01 Kitchen outlets	Kitchen Ground floor · Kitchen	5 × Double socket, Washing machine socket, Dishwasher socket, Fused spur (FCU)	32 A	2.5 mm² 1P+N	12 / 100 m²	
DED02 Dedicated	Electric shower First floor · Bathroom	Electric shower	45 A	10 mm² 1P+N	—	
RCD02 — 30 mA RCD type A · 63 A					Row 2 · 3 circuits	
DED01 Dedicated	45A cooker control unit Ground floor · Kitchen	45A cooker control unit	45 A	10 mm² 1P+N	—	
DED03 Dedicated	Immersion heater First floor · Landing	Immersion heater	16 A	2.5 mm² 1P+N	—	
SKT01 Outlets	Lounge, Dining room and Hall Ground floor · Lounge, Dining room, Hall	9 × Double socket, Single socket	32 A	2.5 mm² 1P+N	43 / 100 m²	
RCD03 — 30 mA RCD type A · 40 A					Row 3 · 3 circuits	
SKT02 Outlets	Bedroom 1, Bedroom 2 and Bedroom 3 First floor · Bedroom 1, Bedroom 2, Bedroom 3	9 × Double socket	32 A	2.5 mm² 1P+N	34 / 100 m²	

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RCD03 — 30 mA RCD type A · 40 A (continued)					Row 3 · 3 circuits	
LTG01 Lighting	Bathroom, Bedroom 2, Bedroom 1, Bedroom 3 and Landing First floor · Bathroom, Bedroom 2, Bedroom 1, Bedroom 3, Landing	Shaver socket, Waterproof light point, 4 × Ceiling light point	6 A	1.5 mm ² 1P+N	6 / 13	
LTG02 Lighting	Kitchen, Lounge, Hall, Cloakroom and Dining room Ground floor · Kitchen, Lounge, Hall, Cloakroom, Dining room	4 × Recessed spotlight, 5 × Ceiling light point	6 A	1.5 mm ² 1P+N	9 / 13	