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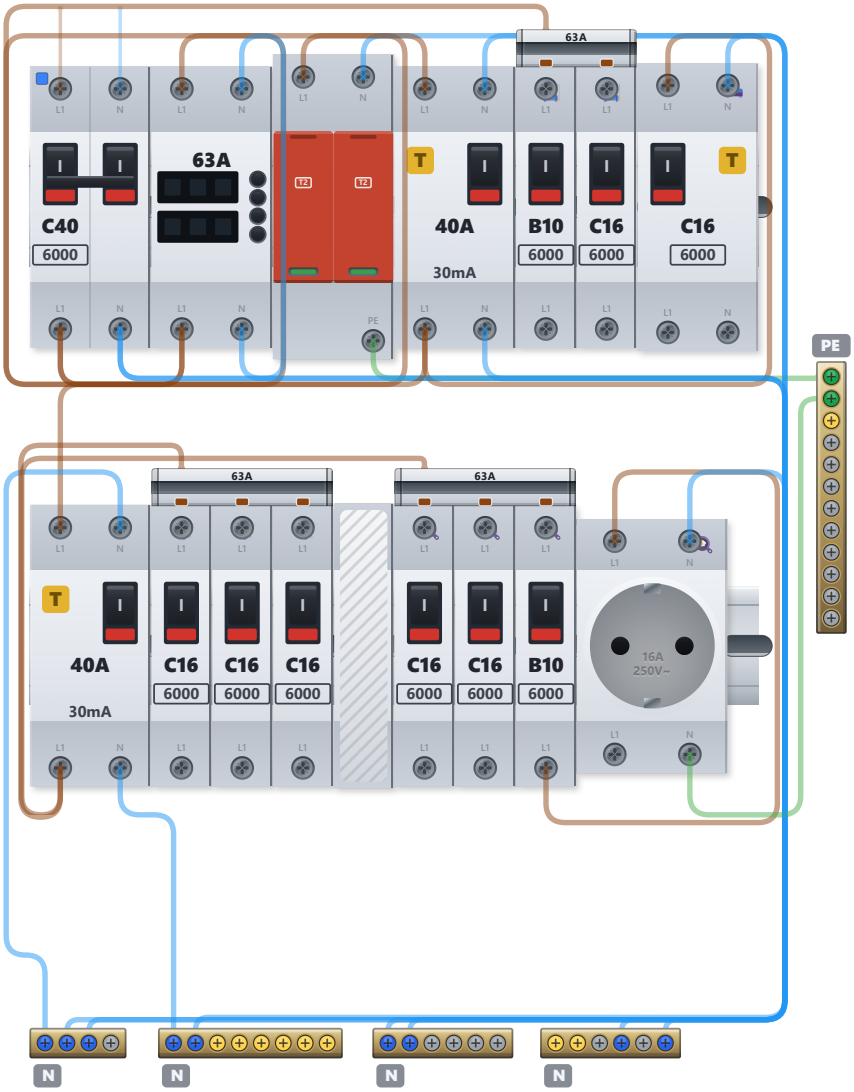
Apartment, 1-phase

Electrical panel diagram

Network: 1-phase / TN-C-S
Voltage: 230V / 230V
Supply capacity: 10 kW
Date: 10/15/2026

Rail 1
Input and rooms

12/12 mod.



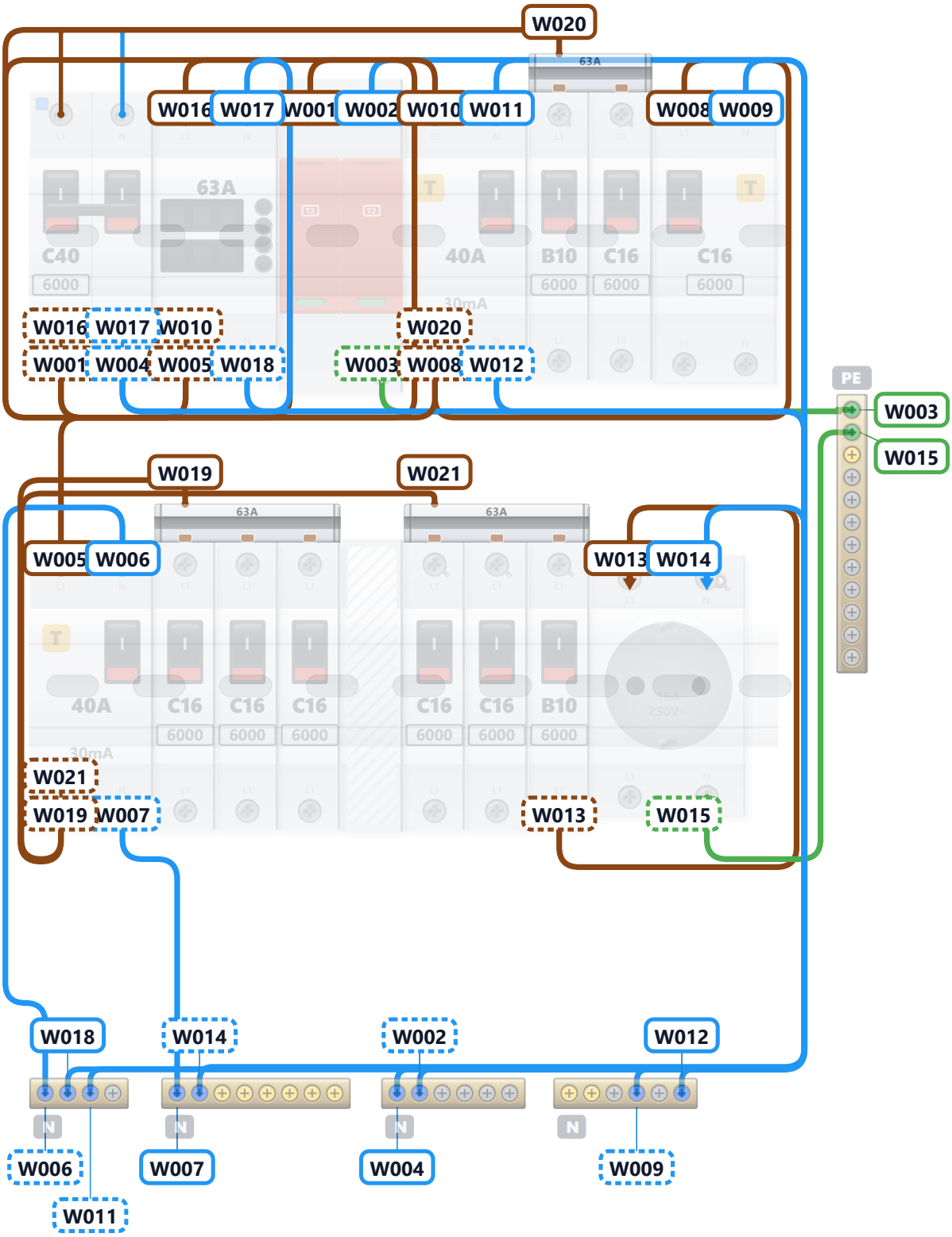
Rail 2
Bathroom and kitchen

11.5/12 mod.

Apartment, 1-phase

Wiring diagram / Connection schedule

Network: 1-phase / TN-C-S
Voltage: 230V / 230V
Supply capacity: 10 kW
Date: 10/15/2026



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Apartment, 1-phase

Wiring diagram / Connection schedule

Network: 1-phase / TN-C-S
Voltage: 230V / 230V
Supply capacity: 10 kW
Date: 10/15/2026

NO.	CONDUCTOR	FROM	TO	CABLE	LENGTH
W001	L1	Input MCB 40 A:2	SPD:1	–	–
W002	N	Neutral busbar	SPD:3	2×6 · Auto	0.78 m
W003	PE	SPD:6	Ground busbar	–	–
W004	N	Input MCB 40 A:4	Neutral busbar	2×6 · Auto	0.78 m
W005	L1	Voltage relay:2	RCD bathroom and kitchen:1	3×10 · Manual	0.12 m
W006	N	Neutral busbar	RCD bathroom and kitchen:3	2×6 · Auto	0.88 m
W007	N	RCD bathroom and kitchen:4	Neutral busbar	2×6 · Auto	0.11 m
W008	L1	RCD rooms:2	Bedroom sockets (AFDD):1	3×2.5 · Manual	0.37 m
W009	N	Neutral busbar	Bedroom sockets (AFDD):3	2×6 · Auto	0.44 m
W010	L1	Voltage relay:2	RCD rooms:1	3×10 · Manual	0.45 m
W011	N	Neutral busbar	RCD rooms:3	2×6 · Auto	0.88 m
W012	N	RCD rooms:4	Neutral busbar	2×6 · Auto	0.44 m
W013	L1	Panel service socket:2	Service socket-outlet:1	3×2.5 · Manual	0.35 m
W014	N	Neutral busbar	Service socket-outlet:3	2×6 · Auto	0.11 m
W015	PE	Service socket-outlet:4	Ground busbar	–	–
W016	L1	Input MCB 40 A:2	Voltage relay:1	3×10 · Manual	0.31 m
W017	N	Input MCB 40 A:4	Voltage relay:3	3×10 · Manual	0.31 m
W018	N	Voltage relay:4	Neutral busbar	2×6 · Auto	0.88 m
W019	L1	RCD bathroom and kitchen:2	COMB	3×10 · Manual	0.24 m
W020	L1	RCD rooms:2	COMB	3×10 · Manual	0.65 m
W021	L1	RCD bathroom and kitchen:2	COMB	3×10 · Manual	0.36 m

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Apartment, 1-phase

DIN-rail labels

Network: 1-phase / TN-C-S
Voltage: 230V / 230V
Supply capacity: 10 kW
Date: 10/15/2026

Rail 1 — Input and rooms (7 devices, 216.0mm)

Input MCB 40 A	Voltage relay	SPD	RCD rooms	Lighting	Living Room Sockets
MCB **C40A** L1	RV **63A** L1	SPD L1	RCD **40A** L1	MCB **B10A** L1	MCB **C16A** L1

Bedroom sockets (AFDD)
AFDD **C16A** L1

Rail 2 — Bathroom and kitchen (9 devices, 207.0mm)

RCD bathroom and kitchen	Boiler	Washing Machine	Bathroom Sockets		Kitchen Sockets	Dishwasher	Panel service socket
RCD **40A** L1	MCB **C16A** L1	MCB **C16A** L1	MCB **C16A** L1		MCB **C16A** L1	MCB **C16A** L1	MCB **B10A** L1

Service socket-outlet
XS **16A** L1

✂ Cut along lines and stick under circuit breakers

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Apartment, 1-phase

Equipment specification

Network: 1-phase / TN-C-S
Voltage: 230V / 230V
Supply capacity: 10 kW
Date: 10/15/2026

#	TYPE	NAME	MANUFACTURER	PART NUMBER	RATING	CURVE	RCD	MODULES	CABLE	SOURCE	LOADS
1	MCB	Input MCB 40 A	Hager	MCN240	**40A**	C	–	2	3×10mm² / 6m	Grid	–
2	RV	Voltage relay	–	–	**63A**	–	–	2	3×10mm² / 0.3m	–	–
3	SPD	SPD	Hager	SPE240	**–**	–	–	2	–	–	–
4	RCD	RCD rooms	Hager	CDA240D	**40A**	–	30mA A	2	3×10mm² / 0.3m	–	–
5	MCB	Lighting	Hager	MBN110	**10A**	B	–	1	2×1.5mm² / 25m	–	Lighting
6	MCB	Living Room Sockets	Hager	MCN116	**16A**	C	–	1	2×2.5mm² / 15m	–	Living Room Sockets
7	AFDD	Bedroom sockets (AFDD)	Hager	ARC966D	**16A**	C	–	2	3×2.5mm² / 14m	–	Bedroom sockets
8	RCD	RCD bathroom and kitchen	Hager	CDA240D	**40A**	–	30mA A	2	3×10mm² / 0.3m	–	–
9	MCB	Boiler	Hager	MCN116	**16A**	C	–	1	2×2.5mm² / 8m	–	Boiler
10	MCB	Washing Machine	Hager	MCN116	**16A**	C	–	1	2×2.5mm² / 10m	–	Washing Machine
11	MCB	Bathroom Sockets	Hager	MCN116	**16A**	C	–	1	2×2.5mm² / 9m	–	Bathroom Sockets
12	–	Blanking plate	–	–	**–**	–	–	1	–	–	–
13	MCB	Kitchen Sockets	Hager	MCN116	**16A**	C	–	1	2×2.5mm² / 12m	–	Kitchen Sockets
14	MCB	Dishwasher	Hager	MCN116	**16A**	C	–	1	2×2.5mm² / 7m	–	Dishwasher
15	MCB	Panel service socket	Hager	MBN110	**10A**	B	–	1	2×1.5mm² / 0.5m	–	Panel service socket
16	XS	Service socket-outlet	Hager	SN016	**16A**	–	–	2.5	3×2.5mm²	–	–

Total items: 16 | Total DIN-modules: 23.5

Busbar combs

#	TYPE	LABEL	PART NUMBER	MANUFACTURER	CONDUCTORS	CIRCUIT BREAKERS	SIDE	INC, A	CABLE
1	1P	–	KB163P	Hager	L1	3	Top	63	L: 3×10mm² · Manual
2	1P	–	KB163P	Hager	L1	2	Top	63	L: 3×10mm² · Manual
3	1P	–	KB163P	Hager	L1	3	Top	63	L: 3×10mm² · Manual

PE / N / PEN busbars

#	TYPE	NAME	MOUNTING	TERMINALS	PART NUMBER	MANUFACTURER	CABLE
1	N (neutral)	Neutral busbar	Bottom zone	3 / 4	–	–	2×6mm² · Auto
2	N (neutral)	Neutral busbar	Bottom zone	8 / 8	–	–	2×6mm² · Auto
3	N (neutral)	Neutral busbar	Bottom zone	2 / 6	–	–	2×6mm² · Auto
4	N (neutral)	Neutral busbar	Bottom zone	4 / 6	–	–	2×6mm² · Auto
5	PE (ground)	Ground busbar	Right side	3 / 12	–	–	–

Cable summary

#	TYPE	SECTIONS	TOTAL LENGTH
1	3×10mm²	7	**7.8 m**
2	2×6mm²	4	**2.21 m**
3	3×2.5mm²	1	**14 m**
4	2×2.5mm²	6	**61 m**
5	2×1.5mm²	2	**25.5 m**

* 1 cable without defined length — enter length manually for a full summary.