



# Consumer unit M · Standard · door: anthracite

Single-family house up to about 150 m<sup>2</sup> (usually single-storey) — without solar PV or EV charger, replacing an old board with a new one with surge protection.

## PLN 3,345.60

incl. 23% VAT · PLN 2,720.00 excl. VAT · excluding delivery

|           |                                                                                        |
|-----------|----------------------------------------------------------------------------------------|
| Size      | <b>Size M — single-family house up to approx. 150 m<sup>2</sup>, about 16 circuits</b> |
| Enclosure | <b>48-module enclosure</b>                                                             |

Some items have a preliminary price (new in our range) — we will confirm it when we check your order.

16 circuits in 3 groups of 4-pole Type A RCDs (30 mA), induction hob on a 3-phase circuit, T1+T2 surge protection. 48-module enclosure (4 rows × 12), devices take 38 — 20% spare.

### MOUNTING AND DIMENSIONS

|                      |                                                |
|----------------------|------------------------------------------------|
| Mounting             | <b>surface-mounted — enclosure on the wall</b> |
| Enclosure dimensions | <b>336 × 750 × 151 mm (W × H × D)</b>          |

Approximate dimensions — we confirm them against the data sheet of the selected enclosure in the order confirmation (before you cut the recess).



### CONTENTS

48-module enclosure · 4 rows · devices take 38

|                                                                                       |         |
|---------------------------------------------------------------------------------------|---------|
| Main switch, surge protection device, phase indicators, N/PE terminal bars            | 8 mod.  |
| 4-pole Type A residual current devices (RCDs) × 3 (circuit groups)                    | 12 mod. |
| Circuit breakers (MCBs) × 16 (sockets, lighting, appliances; induction hob — 3-phase) | 18 mod. |
| Door: anthracite                                                                      | —       |

### SPECIFICATIONS

Door: **Anthracite — Graphite powder coating — for dark interiors and ceilings.**

DIN modules: **38 used of 48 (spare 10)**

Circuits: **16 (max. 18 in this enclosure)**

Residual current devices (RCDs): **3 × 4-pole 40 A, 30 mA, Type A — circuits split into groups**

Surge protection device (SPD): **T1+T2**

Lead time: 5–10 working days from receipt of the deposit.

Included: wiring diagram, circuit chart, test report, EU declaration of conformity, 24-month warranty. Built to EN 61439-3 (PN-EN 61439-3). Technical documents are issued in Polish.

<https://svalcon.co.uk/products/m-standard>

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## CIRCUITS AND RCD GROUPS

Typical set of circuits for this size (board model shared by the shop and the workshop). Cable sizes are indicative — selected by length and installation method.

Circuit names and the diagram are in Polish.

| Ref. | Circuit / load                          | Protection | Poles | Phase | Cable | RCD |
|------|-----------------------------------------|------------|-------|-------|-------|-----|
| F1   | Gniazda — salon                         | B16        | 1P    | L3    | 3×2,5 | Q1  |
| F2   | Gniazda — kuchnia (blat)                | B16        | 1P    | L3    | 3×2,5 | Q1  |
| F3   | Łazienka — gniazda                      | B16        | 1P    | L1    | 3×2,5 | Q1  |
| F4   | Pralka                                  | B16        | 1P    | L3    | 3×2,5 | Q1  |
| F5   | Oświetlenie zewnętrzne                  | B10        | 1P    | L3    | 3×1,5 | Q1  |
| F6   | Płyta indukcyjna (3-fazowa)             | B16        | 3P    | L1–L3 | 5×2,5 | Q2  |
| F7   | Oświetlenie — sypialnie i korytarz      | B10        | 1P    | L1    | 3×1,5 | Q2  |
| F8   | Gniazda — sypialnie                     | B16        | 1P    | L2    | 3×2,5 | Q2  |
| F9   | Suszarka                                | B16        | 1P    | L2    | 3×2,5 | Q2  |
| F10  | Gniazda zewnętrzne / ogród (IP44)       | B16        | 1P    | L1    | 3×2,5 | Q2  |
| F11  | Oświetlenie — strefa dzienna            | B10        | 1P    | L3    | 3×1,5 | Q3  |
| F12  | Piekarnik                               | B16        | 1P    | L1    | 3×2,5 | Q3  |
| F13  | Zmywarka                                | B16        | 1P    | L2    | 3×2,5 | Q3  |
| F14  | Gniazda — pokój / biuro                 | B16        | 1P    | L2    | 3×2,5 | Q3  |
| F15  | Oświetlenie — pomieszczenia gospodarcze | B10        | 1P    | L3    | 3×1,5 | Q3  |
| F16  | Rezerwa                                 | B16        | 1P    | L1    | 3×2,5 | Q3  |

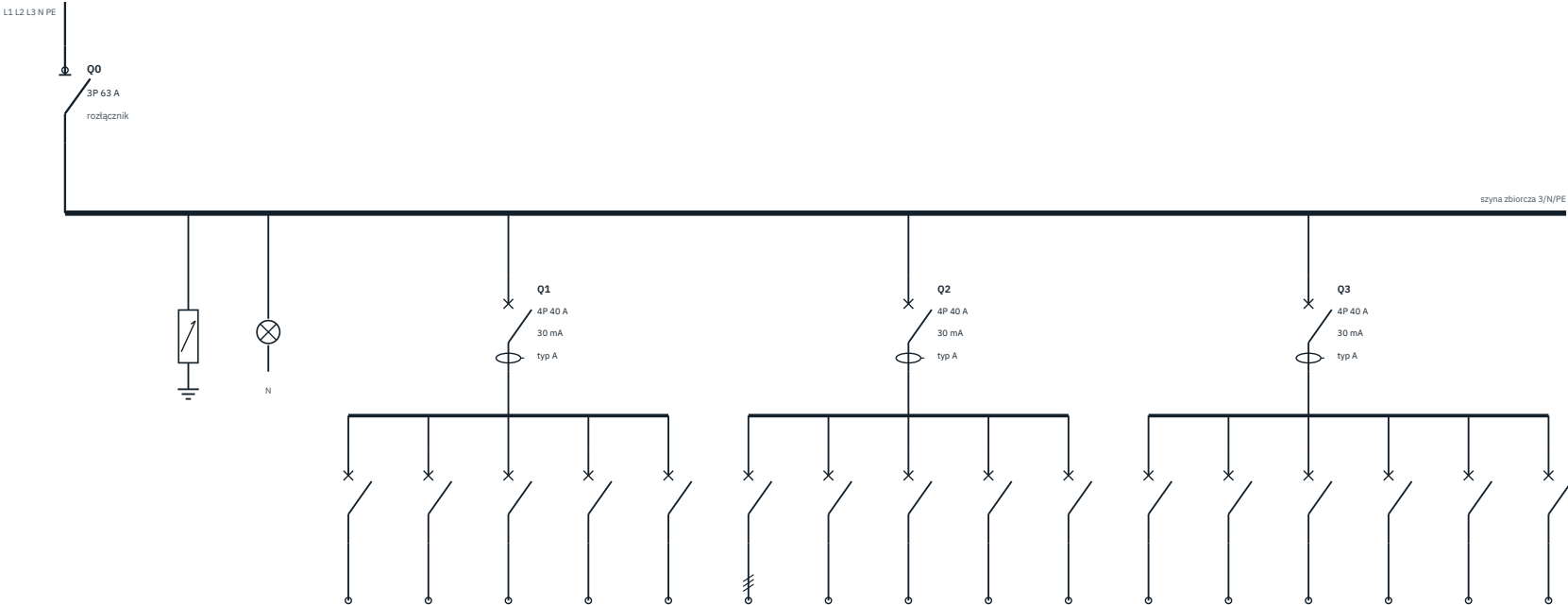
## RCD GROUPS

|    |                                                       |
|----|-------------------------------------------------------|
| Q1 | RCD 4P 40 A 30 mA typ A: F1, F2, F3, F4, F5           |
| Q2 | RCD 4P 40 A 30 mA typ A: F6, F7, F8, F9, F10          |
| Q3 | RCD 4P 40 A 30 mA typ A: F11, F12, F13, F14, F15, F16 |

Schemat jednokreskowy – Consumer unit M · Standard · door: anthracite

marka wg dostępności · natynkowa · nr wzór

Zasilanie z licznika: 3/N/PE ~ 400/230 V 50 Hz · sieć TN-C-S · zabezpieczenie przedlicznikowe gG / B ≤ 32 A (typowo 25–32 A, wg warunków przyłączenia)



| Oznaczenie     | FV1   | H1     | F1    | F2    | F3    | F4    | F5    | F6    | F7    | F8    | F9    | F10   | F11   | F12   | F13   | F14   | F15   | F16   |
|----------------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Zabezpieczenie | T1+T2 | —      | B16   | B16   | B16   | B16   | B10   | B16   | B10   | B16   | B16   | B16   | B10   | B16   | B16   | B16   | B10   | B16   |
| Bieguny        | 3+1   | 3 × 1P | 1P    | 1P    | 1P    | 1P    | 1P    | 3P    | 1P    | 1P    | 1P    | 1P    | 1P    | 1P    | 1P    | 1P    | 1P    | 1P    |
| Faza           | L1–L3 | L1–L3  | L3    | L3    | L1    | L3    | L3    | L1–L3 | L1    | L2    | L2    | L1    | L3    | L1    | L2    | L2    | L3    | L1    |
| Przewód [mm²]  | —     | —      | 3×2,5 | 3×2,5 | 3×2,5 | 3×2,5 | 3×1,5 | 5×2,5 | 3×1,5 | 3×2,5 | 3×2,5 | 3×2,5 | 3×1,5 | 3×2,5 | 3×2,5 | 3×2,5 | 3×1,5 | 3×2,5 |
| Moc szac. [kW] | —     | —      | 1,5   | 2     | 2     | 2,2   | 0,2   | 7,2   | 0,3   | 1     | 2,5   | 1     | 0,4   | 3     | 2     | 1     | 0,2   | —     |

Odbiornik

- Ogranicznik przepięć → PE
- Lampki obecności faz
- Gniazda – salon
- Gniazda – kuchnia (blat)
- Lazienka – gniazda
- Pralnia
- Oświetlenie zewnętrzne
- Płyta indukcyjna (3-fazowa)
- Oświetlenie – sypialnie i korytarz
- Gniazda – sypialnie
- Suszarka
- Gniazda zewnętrzne / ogrody (TP44)
- Oświetlenie – strefa dzienna
- Piekarnik
- Zmywarka
- Gniazda – pokój / biuro
- Oświetlenie – pomieszczenia gospodarcze
- Rezerwa

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Nr wzór · marka wg dostępności · obudowa – (4 × 12 mod.)

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SZKIC – do weryfikacji przez elektryka uprawnionego