



# Hybrid consumer unit M · PoE switch · door: tinted glass

Single-storey house: power and internet in one enclosure — the consumer unit at the top, the multimedia section below a partition.

## PLN 6,223.80

incl. 23% VAT · PLN 5,060.00 excl. VAT · excluding delivery

Enclosure **48-module enclosure**

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

48-module enclosure with 4 DIN rows (14 circuits, 3 RCD groups, T1+T2 surge protection) and a multimedia section below a partition: 12 × RJ45 patch panel, space for the provider's router and terminal, 230 V power strip on a dedicated circuit.

### MOUNTING AND DIMENSIONS

Mounting **surface-mounted — enclosure on the wall**

Enclosure dimensions **336 × 1000 × 151 mm (W × H × D)**

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) × 14 (sockets, lighting, appliances; induction hob — 3-phase)       | 16 mod. |
| Door: tinted glass                                                                          | —       |
| Multimedia section — hybrid enclosure with a partition separating it from the 230 V section | —       |
| Patch panel 12 × RJ45                                                                       | —       |
| 230 V power strip for network power supplies (4 sockets)                                    | —       |
| Dedicated protected 230 V socket circuit (RCBO)                                             | 2 mod.  |
| 8-port PoE switch                                                                           | —       |

### SPECIFICATIONS

Door: **Tinted glass — White frame with tinted glass — you can see the LEDs and device status without opening the door.**

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

Circuits: **14 (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**

Multimedia section: **behind a partition from the 230 V section: patch panel 12 × RJ45, space for the provider's router and terminal, 230 V power strip**

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/hybrid-m>

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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 — kuchnia (blat)           | B16        | 1P    | L3    | 3×2,5 | Q1  |
| F2   | Łazienka — gniazda                 | B16        | 1P    | L1    | 3×2,5 | Q1  |
| F3   | Pralka                             | B16        | 1P    | L3    | 3×2,5 | Q1  |
| F4   | Gniazda — sypialnie                | B16        | 1P    | L2    | 3×2,5 | Q1  |
| F5   | Oświetlenie zewnętrzne             | B10        | 1P    | L3    | 3×1,5 | Q1  |
| F6   | Gniazda — salon                    | B16        | 1P    | L3    | 3×2,5 | Q2  |
| F7   | Płyta indukcyjna (3-fazowa)        | B16        | 3P    | L1–L3 | 5×2,5 | Q2  |
| F8   | Oświetlenie — sypialnie i korytarz | B10        | 1P    | L1    | 3×1,5 | Q2  |
| F9   | Suszarka                           | B16        | 1P    | L2    | 3×2,5 | Q2  |
| F10  | Oświetlenie — strefa dzienna       | B10        | 1P    | L3    | 3×1,5 | Q3  |
| F11  | Piekarnik                          | B16        | 1P    | L1    | 3×2,5 | Q3  |
| F12  | Zmywarka                           | B16        | 1P    | L2    | 3×2,5 | Q3  |
| F13  | Gniazda zewnętrzne / ogród (IP44)  | B16        | 1P    | L1    | 3×2,5 | Q3  |
| F14  | Gniazda — pokój / biuro            | B16        | 1P    | L2    | 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
- Q3 RCD 4P 40 A 30 mA typ A: F10, F11, F12, F13, F14

Schemat jednokreskowy – Hybrid consumer unit M • PoE switch • door: tinted glass

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   |
|----------------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Zabezpieczenie | T1+T2 | —      | B16   | B16   | B16   | B16   | B10   | B16   | B16   | B10   | B16   | B10   | B16   | B16   | B16   | B16   |
| Bieguny        | 3+1   | 3 × 1P | 1P    | 1P    | 1P    | 1P    | 1P    | 1P    | 3P    | 1P    | 1P    | 1P    | 1P    | 1P    | 1P    | 1P    |
| Faza           | L1–L3 | L1–L3  | L3    | L1    | L3    | L2    | L3    | L3    | L1–L3 | L1    | L2    | L3    | L1    | L2    | L1    | L2    |
| Przewód [mm²]  | —     | —      | 3×2,5 | 3×2,5 | 3×2,5 | 3×2,5 | 3×1,5 | 3×2,5 | 5×2,5 | 3×1,5 | 3×2,5 | 3×1,5 | 3×2,5 | 3×2,5 | 3×2,5 | 3×2,5 |
| Moc szac. [kW] | —     | —      | 2     | 2     | 2,2   | 1     | 0,2   | 1,5   | 7,2   | 0,3   | 2,5   | 0,4   | 3     | 2     | 1     | 1     |

Odbiornik

Ogranicznik przepięć → PE

Lampki obecności faz

Gniazda – kuchnia (blat)

Łazienka – gniazda

Pralnia

Gniazda – sypialnie

Oświetlenie zewnętrzne

Gniazda – salon

Płyta indukcyjna (3-fazowa)

Oświetlenie – sypialnie / korytarz

Suszarka

Oświetlenie – strefa dzienna

Piekarnik

Zmywarka

Gniazda zewnętrzne / ogród (TP44)

Gniazda – pokój / biuro

Svalcon • Hybrid consumer unit M • PoE switch • door: tinted glass

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

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SZKIC – do weryfikacji przez elektryka uprawnionego