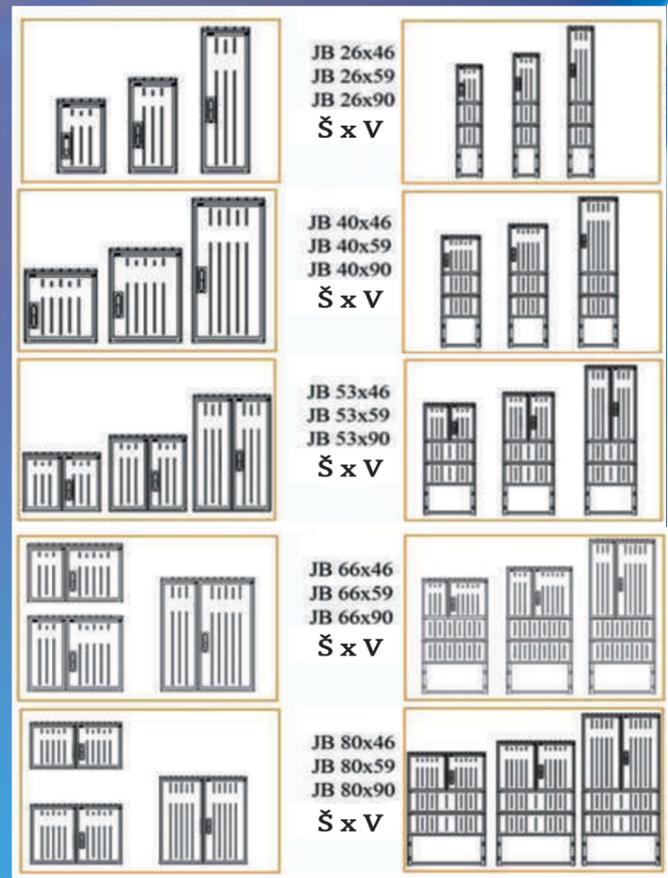


# SEZ<sup>®</sup>

| Norms   | STN EN 61439-1   |
|---|--|
|   | STN EN 61439-5   |
| Rated operating voltage                                       | 230/400 V TN-C-S   |
| Rated insulation voltage                                      | 690 V  |
| Input short circuit protection device                         | fuse gG  |
| Impulse withstand voltage                                     | 6 kV   |
| Rated current   | Up to 63 A   |
| Rated frequency   | 50 Hz  |
| Rated conditional short-circuit current (I <sub>cc</sub> )    | 10kA   |
| Rated dynamic withstand current (I <sub>pk</sub> )            | 20 kA  |
| Rated short-time withstand current 0.1 s (I <sub>sw</sub> )   | 10kA   |
| Coverage level  | IP 44 resp. IP 44/ IP 2x   |
| Supply line   | Up to 35 mm <sup>2</sup>   |
| Housing material  | tempered polyester   |
| Fire resistance   | Category B   |
| Closing the door  | Energy closing according to STN 359754 Appendix 1                          |
| Protective tire   | screw M10x30   |
| Protection of non-living parts from dangerous contact voltage | Automatic source disconnect, Double insulation                             |
| Types of EL. Function block connections                       | F – fixed connection   |
| Environment   | Environment A  |
| Working conditions  | temperature range from -25°C to +40°C pollution degree 2, external, stable |
| Accessories   | energy key   |
| Closing the door  | energy lock  |
| Weight  | od 7-45kg  |



## Plastic cabinets

Material: Glass-fiber reinforced polyester SMC, in accordance with standard EN 14598-1.

Color: RAL 7035 (light gray).

Degree of protection: IP 44, after door opening IP 20.

Door closing: Energy closing according to STN 35 9754.

Door opening angle: 180°

Nominal insulation voltage: 500 V

Rated current: 600 A

Protection class: II



# SEZ<sup>®</sup>

# ELECTRIC METER PLASTIC SWITCHBOARDS



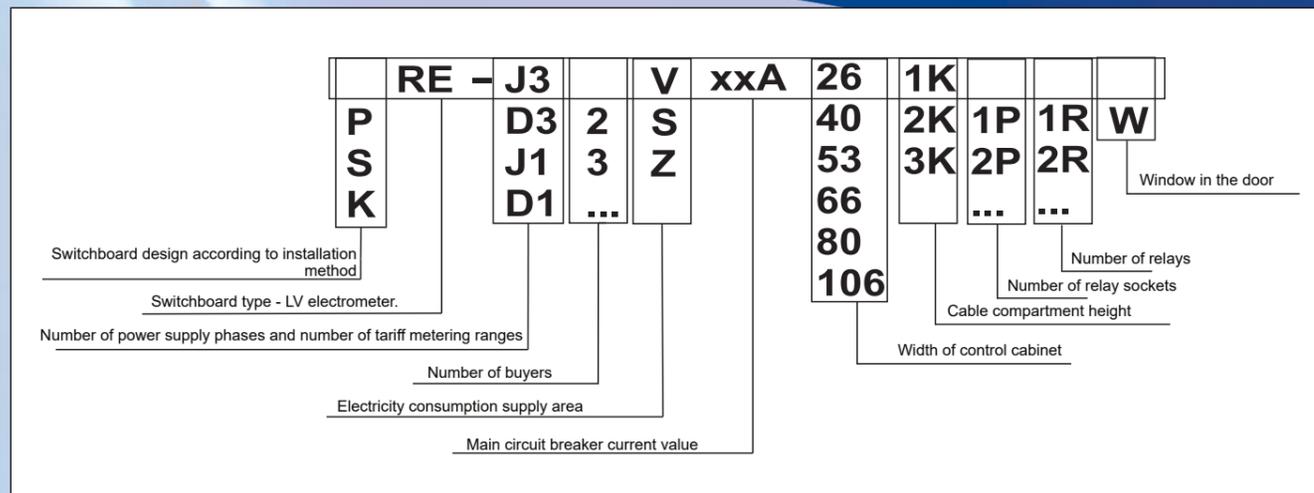
Validity from: 22.11.2024

SEZ Krompachy a.s. • Hornádska 1 • 053 42 Krompachy • Slovak Republic

tel.: +421 53 4189 144 • www.sez-krompachy.sk • e-mail: yes@sez-krompachy.sk

www.sez-krompachy.sk

# Electrometer plastic switchboards for direct measurement



|    | Description   | Symbol |
|----|---|--------|
| 1  | Switchboard design according to installation method   |        |
|    | pole installed in the ground, including the ground part   | P      |
|    | pole attachment   | S      |
|    | stand and floor fixing  | K      |
|    | built into the wall (with canopy)   | -      |
| 2  | Switchboard type - LV electrometer.   | RE     |
| 3  | Number of power supply phases and number of tariff ranges, taking into account                                      |        |
|    | Single tariff measurement, three-phase connection   | J3     |
|    | Two-tariff measurement, three-phase connection  | D3     |
|    | Single tariff measurement, single phase connection  | J1     |
|    | Two-tariff measurement, single-phase connection   | D1     |
| 4  | Number of customers   |        |
|    | 1 customer  | -      |
|    | 2 or more customers   | 2,3... |
| 5  | Electricity supply area   |        |
|    | Vykhodoslovenskaya Energy A.S.  | V      |
|    | Stredoslovenskaya Energy - Distribution, a.s.   | S      |
|    | Western Slovenian Energy, a.s., Bratislava  | Z      |
| 6  | Main switch current value   | A      |
|    | up to 63A with direct measurement (indicate the actual rating of the circuit breaker on the label, for example 32A) | 32A    |
|    | design without circuit breaker  | xxA    |
| 7  | cabinet width   |        |
|    | 260mm   | 26     |
|    | 400 mm  | 40     |
|    | 530 mm  | 53     |
|    | 660 mm  | 66     |
|    | 800 mm  | 80     |
|    | 1060 mm (660+400)   | 106    |
| 8* | Cable compartment height * = height of the bottom edge of the door above ground level.                              | K      |
|    | 1 cable compartment module (height 250 mm)  | 1K     |
|    | 2 cable modules (height 500 mm)   | 2K     |
|    | 3-cable module (height 750 mm)  | 3K     |
| 9  | Number of relay sockets   |        |
|    | without relay sockets   | -      |
|    | Number of relay sockets, for example - 1, 2   | 1P, 2P |
| 10 | Number of relays  |        |
|    | without relay   | -      |
|    | Number of relays, for example - 1, 2  | 1R, 2R |
| 11 | Window in the door  |        |
|    | without window  | -      |
|    | Yes   | W      |

## Fire resistance: category B - difficult to ignite.

Protection of non-live parts against dangerous touch voltage by automatic disconnection from the power supply. Description: REJ plastic meter distribution boards comply with type tests according to standards STN EN 61439-1. STN 61439-5 and were performed in an authorized test laboratory. The plastic materials from which the plastic enclosures are made are resistant to static and dynamic stress, material self-extinguishing according to UL94-VO, resistant to weather conditions and UV stable. The products pass the glow wire test according to IEC 60695, withstand continuous thermal load of 115°C according to IEC 60216 and short-term thermal load of 145°C. The materials used for the production of enclosures are environmentally friendly and recyclable. The manufacturing process at SEZ Krompachy a.s. is certified according to EN ISO 9001 and EN ISO 14001.

## Usage :

The RE distribution board is designed for measuring electrical energy for one or more consumers. The distribution board is installed in the front facade or in the enclosure of the building accessible for metering consumption. Distribution boards are intended for mounting on pillars, fence structures, and, when supplied with a steel structure, also for independent installation in a concrete foundation. The distribution board is designed for measuring three-phase single-load consumption.

## Operation and Maintenance:

Inspection, revision, and maintenance of plastic distribution boards are carried out in every energy company according to the preventive maintenance regulation. The outer plastic disconnecting box requires no maintenance. The internal equipment - during regular maintenance, tighten the terminal screws at electrical connections due to transition losses.



### RE-J3 V xxA 26

Recessed electricity meter distribution board, single-rate, three-phase, for single consumer, for VSE region, 26cm wide, without a window.



### RE-D3 V xxA 40

Recessed electricity meter distribution board, dual-rate, three-phase, for single consumer, for VSE region, 40cm wide, without a window.



### P RE-J3 V xxA 26

Pillar-mounted electricity meter distribution board, single-rate, three-phase, for single consumer, for VSE region, 26cm wide, without a window.



### P RE-D3 V xxA 40

Pillar-mounted electricity meter distribution board, dual-rate, three-phase, for single consumer, for VSE region, 40cm wide, without a window.

Validity from: 22.11.2024