

Terminal box SKa-P1



SKa-P1 is a terminal box for connection of voltage and current circuits of electricity meters with secondary circuits of measuring, voltage and current transformers. The terminal box ensures safety of operating with measuring circuitry. It also makes easy all the works that could be performed during the installation and verification of the meters and measuring set up and during the meter test procedures. Universal housing of the terminal box allows installing both on the standard measuring panel and on the DIN rail installation system as well.

Basic technical data

Type	SKa-P1
Nominal voltage	400 V
Nominal current	25 A
Test voltage	2500 V, 50 Hz
Heat resistance 1s	480 A
Max cross-section of cables	6 mm ²
Working temperature	- 25 °C ... + 60 °C
Weight	1,13 kg

SKa-P1 meets EU requirements 73/23/EWG+93/68/EWG and is qualified to be **CE** marked.

Recommendations for safety using

Before meter installation it is required to fulfill following indications:

- Make short connections of current circuit using short connection bridges 2 and by pressing down plugs 1, attached to the terminal box, see drawing 2.
- Check if the connections are made tightly, it is recommended to measure current on both sides of terminal box using clamp ammeter.
- Disconnect voltage circuit by removing plugs 1 and screwing off screws 3, see drawing 2.

During switching on measuring circuits it is necessary to fulfill following procedure:

- Switch on voltage circuit by screw in the screws 3 and pressing down plugs 1, see drawing 2.
- When connections are made properly the voltage should be present on voltage terminals of box, check the voltage presence using a voltmeter or voltage indicator.
- Connect current circuit by removing short connection bridges 2 and pulling out plugs 1, see drawing 2.

An example of connection diagram for transformer, active and reactive energy measurement is to be seen on drawing 1.

