

TEST TERMINAL BOARD

ZS 1b



The test terminal board ZS 1b (for four-wire wiring) is designed for electric equipment, where replacement or inspection of measuring gauges during the operation is required (when disconnecting or connecting electricity meters in secondary circuits of measuring current and voltage transformers) and where it is necessary to meet the condition of non-breaking the secondary circuits of measuring current transformers.

DESCRIPTION

The test terminal board ZS 1b is designed as follows: the current terminals P are divided in two halves and are connected in terms of conductivity by tightening the screws S. The conductive connection of adjacent current terminals of the same polarity is realized with a jumper M.

The design of voltage terminals U is similar. The conductive connection of both halves of the terminals is realized with terminals K.

In the scheme, the secondary circuits of the measuring current transformers of the same polarity are connected in terms of conductivity by tightened screws via current jumpers. Then the top halves of voltage terminals are disconnected (terminals K are moved). When connecting electricity meters, the outlets from the electricity meters shall be connected to the terminal board with the use of screws at first, then secondary circuits of the measuring current transformers shall be disconnected by unscrewing the screws and voltage circuits shall be connected. When disconnecting, follow the reverse procedure.

The test terminal board is protected against an unintentional contact with live parts with a plastic cover or, as the case may be, it is sealed.



TECHNICAL DATA

Maximum nominal voltage	400 V, 50 Hz
Maximum nominal current	25 A
Test voltage	2 kV ef
Weight including cover	1,16 kg
Corresponding standard	ČSN 60 947-7-1

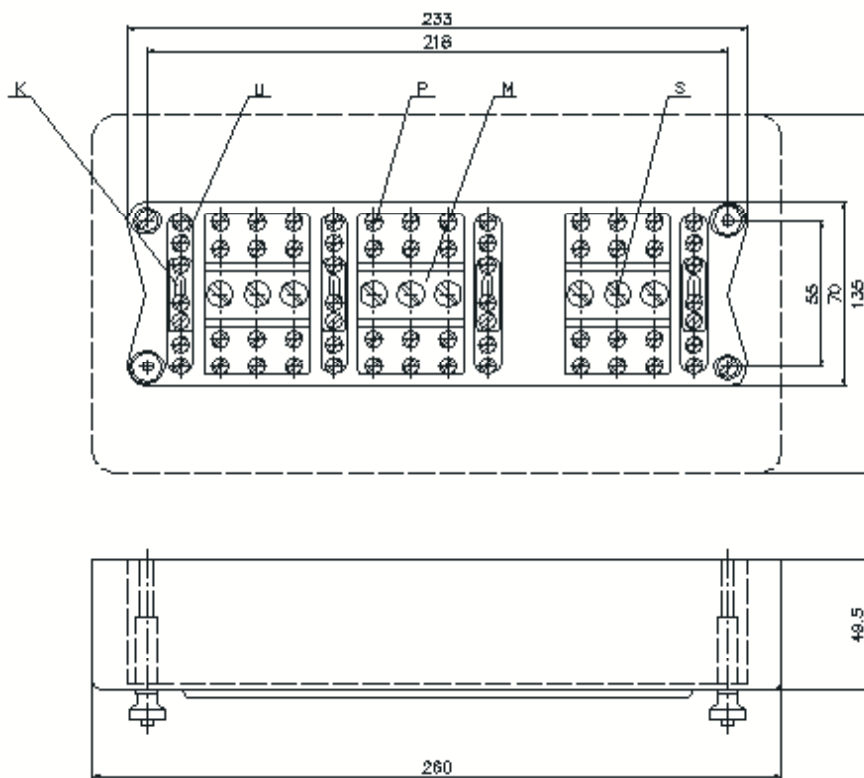
Cross section of connecting wires (mm²)

Voltage terminals	min.1 - max.16
Current terminals	min.1,5 - max. 25
Temperature range	-30 až +70°C

Placing an order

The purchase order shall specify: type designation, number of pieces

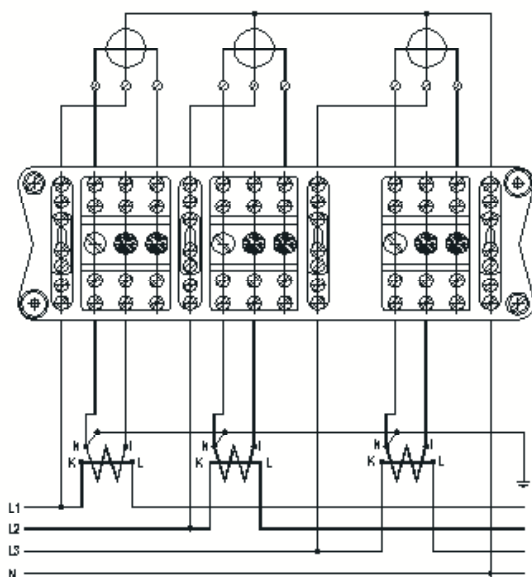
Dimensional drawing



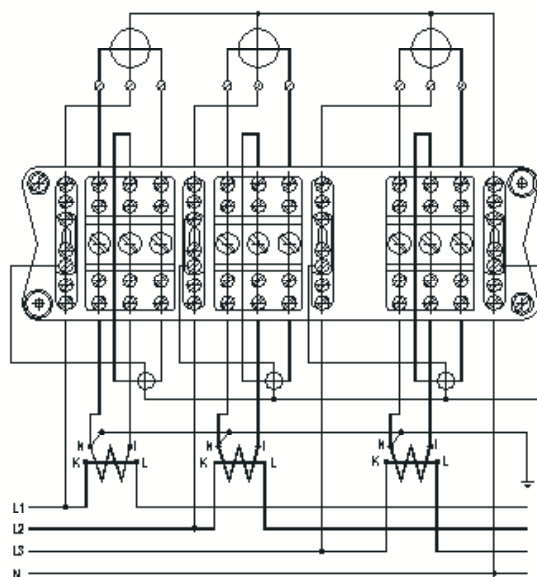
K coupling
U voltage terminal
P current terminal
M jumper
S screw

Examples of application

Connection of the terminal board ZS 1b with connected electricity meter



Connection of the terminal board ZS 1b with connected electricity meter and control measuring devices



Screw tightened

WARNING OF THE MANUFACTURER

The product is capable of safe operation. The manufacturer issued the Declaration of Conformity pursuant to Sect. 13 of the Act 22/97 Coll. Nevertheless, the manufacturer notifies of the risk of a possible danger resulting from improper handling or inadequate application of the product:

- Installation and maintenance shall be performed by an expert person with the applicable electrotechnical qualification that shall notify the operator of the conditions of safe operation.
- The product may not be used for other purposes that it was manufactured for.
- The product may not be modified wilfully to differ from the type designation.
- The product may not be operated with different voltage, current and frequency than for which it was manufactured or modified professionally.
- The product shall be located and secured so that persons without electrotechnical qualification, especially children, can handle it with difficulties or not at all.
- Before each new commissioning, e.g. after a repair, maintenance, etc., Ingress Protection shall be renewed in the full range as well as all measures for ensuring safety and a revision shall be performed by a revision technician.
- During the operation, pay attention to ensure no danger of fire or explosion occurs during the creation of gases, vapours of flammable liquids and occurrence of flammable dust in the area where the product is installed.
- Each handling with the product by an expert person, safe for the measurement with insulated tips of the measuring device, shall be performed without voltage.
- The product may not be operated in the conditions and environment that do not ensure safe operation (e.g. location on a flammable base, cover from a flammable material, insufficient protection against penetration of foreign substances or water or other liquids).
- The product may not be operated in the premises with higher oscillation and vibrations than those specified in the Technical specification.

If the user fails to respect any of the aforesaid warnings and any defect occurs in a causal relationship with such a failure, any liability of the manufacturer for the defect shall not be established.

TYPE OF LIQUIDATION OF NON-FUNCTIONAL PRODUCT AND PACKAGING MATERIAL:

The products at the end of their service life shall be submitted to specialized organizations, which are engaged in the separation of used materials or, as the case may be, in their recycling and unused products shall be disposed off ecologically in compliance with the Waste Act.

Product: it does not contain radioactive, carcinogenic or other materials harmful to health or environment. All applied plastic materials can be recycled fully.

Packing materials:

- Special packing boxes can be recycled
- Used boxes shall be submitted to organizations, which will use them as a source of secondary raw materials or energies.

