

Low-voltage electric cabinets

- Temperature monitoring and control of trace heating systems
- Automatic switching of backup power
- Status indication of the trace heating system
- Protection of the equipment against short-circuit, insulation damage (monitoring of leakage currents), high / low supply voltage
- Monitoring and indication of overheating/underheating of the heated system
- Load cascading to reduce starting currents
- Integration into the customer's APCS



Purpose

Automation and distribution of power in power supply and control systems of a trace heating system.

Used in various industries, energy, housing and utilities, transportation, construction, etc.

Applications

Control cabinets are used in trace heating systems:

- process pipelines and tanks;
- mid-length pipelines (longline system);
- long pipelines (skin-effect system);
- oil wells (Stream Tracer™);
- Masterwatt gas and liquid heating;
- roofs, ramps, outdoor areas;
- sports facilities;
- soil under freezers;
- tram and railway switches.

Approvals

TC RU C-RU.ME67.B.00110



Technical data

Rated operational voltage, U_n	up to 1000 V AC or 1500 V DC
Rated frequency, f	50 Hz
Earthing system	TN-S; TN-C; TN-C-S
Protection class	IP31 – IP65
Climatic version	UHL1-UHL4
Structural design	floor-mounted / wall-mounted

Ordering information

When placing an order, depending on its type, the customer should provide the following technical documentation:

1. Completed questionnaire in case of ordering to customer specifications. The design of the equipment usually is required.
2. Ordering standard items, please, indicate standard diagram numbers, enclosure types (wall-mounted/integrated/floor-mounted, housing material, IP protection), manufacturers of components, other technical parameters.
3. When ordering to custom design, design documentation is required: single-line or schematic diagram, specifications of components, drawings. When ordering control cabinets and automation devices, a control system diagram (functional diagram) is required.

To order, please, fill in questionnaire at p. 191.