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INDEX CARD

Universal control and protection device UCMI-C

The universal control and protection device UCMI-C (Universal Control and Measurement Instrument) controls the insulation condition in DC networks with a rated voltage of up to 180V. The UCMI-C device has been designed so that it can be used, for example, to control the insulation condition of SBS-4, SBS-4W, SBS-5, SBS-4Lion battery boxes. The electrical system of the universal control and protection device UCMI-C consists of:

- leakage protection that continuously measures the state of insulation of the controlled network
- system for measuring voltage (the value of the measured voltage is displayed on the liquid crystal display in the line below the indicated resistance value)
- LED informing about the drop in insulation of the controlled network below 360k Ω

In the event of threats to the operation of power grids or electrical installations, resulting from damage to the insulation between the current-conducting conductor and the ground, UCMI-C type device cooperating with circuit breakers reduces the likelihood of electric shock, fire, gas explosion or coal dust in a mine.

UCMI-C type device is intended for installation in the chambers of flameproof enclosures, including apparatus chambers of explosion-proof or protected construction. UCMI-C is used as an insulation condition meter in mining locomotives type ELA-44 and / or Lea BM-12.

Parameters:

- supply voltage: 20-50V DC
- type of work: continuous
- power consumption: ≤ 10 VA
- degree of protection: IP00
- dimensions: 93 x 85 x 62 mm
- contact load: 3 A / 24 V

