www.kctes.ru

AMSU:

Automatic Mains Switching Unit

- compactly

small dimensions, compared to standard relay circuit design

- compatibly

usage of modern idustry-standard connectors and small number of external connections allows quicker installation and start-up

- reliably

more, than 20 years lifetime!
calibration interval not less, than 20 years;
built-in fire extinguishing device

Manufacturing and Design Technological Center “Transport Electrical Systems”

Manufacturing and Design Technological Center
“Transport Electrical Systems”
195112, Russia, Saint-Petersburg, Maloohtinsky prospect.,h. 68 D, building 11,phone/fax: +7(812)363-17-44, http://kctes.ru,

Automatic Mains Switching Unit

Application

AMSU is designed to provide redundant power supply functionality for mission-critical devices, like railway automation systems (interlocking). AMSU supplies power to load from two single-phase 220V 50Hz mains, primary and reserve.

Unit consists of:

-voltage control relays;

-contactors;

-logic board;

-display board;

-overvoltage protection devices;

AMSU is produced in two versions:
-in a plastic body for mounting on the cabinet frame/stand;
-in a metal case for mounting on the frame/stand, or on the floor, shelf, cabinet side;

РОССИЙСКАЯ ФЕДЕРАЦИЯ

ПАТЕНТ

НА ПОЛЕЗНУЮ МОДЕЛЬ

№ 111364

БЛОК АВТОМАТИЧЕСКОГО ВКЛЮЧЕНИЯ РЕЗЕРВА ЭЛЕКТРОПИТАНИЯ УСТРОЙСТВ ЖЕЛЕЗНОДОРОЖНОЙ АВТОМАТИКИ И ТЕЛЕМЕХАНИКИ

Автор(ы): *см. на обороте*

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Руководитель Федеральной службы по интеллектуальной собственности, патентам и товарным знакам

Б.П. Симонов

AMSU is patented

Basic specifications:

AMSU performs automatic commutation of two independent mains, which are single phase AC, 220V 50Hz.
Maximal load current: 5A.
Load is automatically disconnecting from mains, if mains voltage is over 248V, or less than 193V. Mains are connected to load, if voltage is in between 198/242 Volts. Switching time is less than 1 sec.

- AMSU allows to set-up load switch-on and switch-off delay time, adjustable up to 10 seconds.
- Allows to set-up primary mains priority, or equivalent inputs mode.
- AMSU have visual indicators of inputs and outputs working state.
- AMSU have dry-contact relay interface, which can be used for remote monitoring.

Weight: no more than 3 kg.
MTBF: not less than 40000 h.
Warranty: 36 months (since commissioning).
Lifetime: 20 yrs.