

FUSE AUTO CHANGEOVER SYSTEM

Scope:

Fuse Auto Changeover System is designed for continuous monitoring of various fuses provided in Railway signaling installations. In addition to monitor the fuses, the system also provide automatic changeover of circuit to spare fuse in the event of Main fuse failure.

While monitoring and changing over to spare fuse, the system also provide audio/visual indications for failure of the fuse. The system is also provided with potential free contacts for taking remote indication.



RDSO Specification No-
RDSO/SPN/209/2012 Rev 1.0

Features:

- 19" Rack mounting with less than 4U height. (Additional brackets are supplied for Relay Rack mounting.)
- System is designed to monitor 32 fuses of 0.6A to 4A of any voltage (12V,24V,60V,110V AC/DC) of G type or any other type.
- System operates with N+2 wires
- Continuously monitors the status of both Main and Spare fuse
- Automatically changeover to a Spare Fuse on failure of the Main Fuse in less than 20 mS
- Current drain from the main system is very low
- Provides audio/visual alarm on failure of any fuse
- Push button to test whether all indications are working
- The audio alarm is resettable by push button
- Operating Voltage: 110V AC (Optionally 60V,24V DC)
- System compromise of 8 modules for monitoring 4 fuses each & one power card
- Fuses confirming IEC-127

Components

Front Panel Components on Power card.

- ON/OFF Switch
- Power ON indication
- Input Power fuse
- Test Push Button
- Buzzer Reset Push Button
- Common Fuse Fail Indication (Flashing)

Front Panel Components on Each Sensing Modules

- 4 Spare fuses
- Reset push button
- Red & Green LEDs for indicating status of MAIN & SPARE fuses

All terminations are provided on rear side.

Accessories

Optional accessories for Remote Indications-

1. Audio/Visual Alarm Unit
2. GSM Based SMS Unit

The Customer Should Specify-

1. Voltage Rating of fuses
2. Current Rating of fuses
3. Operating voltage of the system

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