Power Filtering Panels

GMT and KLM Fuse Panels; DC Power Noise Filters

Overview

Minimize the effects of AC noise in DC distribution systems with Telect filtered fuse panels and DC power noise filters. Whether you choose a distribution panel or a simple filter panel, each Telect solution provides filtering on the DC power line to protect sensitive equipment.

Typical Usage

In many applications, the DC power source and batteries provide adequate filtering of AC noise in the DC power system. However, in cases where noise enters the system after the batteries, or where the equipment load itself injects noise onto the power lead, extra filtering helps to protect equipment.

Fuse Panels with Noise Filtering

Telect fuse panels with noise filtering provide protected distribution of DC power to telecommunications equipment, while suppressing high-frequency transients below an effective interference level. The panels use a PI filter consisting of a large inductor with input and output filtering capacitors. Typical filtering characteristics are: 60 Hz, -44dB; 200 Hz, -58 dB; 1kHz, -96 dB; 10 kHz, -102 dB.

DC Power Noise Filters

Telect noise filters for DC power provide transient and AC noise filtering for low current -48 VDC lines in telecom systems. The filters use a bank of ceramic capacitors to effectively limit transient energy and suppress AC noise. To avoid shorting and potential venting, electrolytic capacitors are not incorporated in these components. Telect noise filters are most effective against noise introduced into the system after the fuse panel.

Primary Benefits

- Multiple configurations available to fit various applications, standards and requirements
- All panels tested to key industry standards
- Compact to maximize application space

Applications

- Central office
- Data center

For specifications, fuses and additional power products, see Telect.com.

20HPGMT05BNR, front view

0HCKTK125NR, front view

02NF12, front view

Ordering Information

Fuse Panels	Part Number
Dual-feed 10/10 GMT panel, 75A inputs, 20A max. outputs, bay alarms, -48 VDC	20HPGMT05BNR
Dual-feed 10/10 GMT panel, 75A inputs, 20A max. outputs, bay alarms, -24 VDC	20HPGMT05BNR-24
Dual-feed 10/10 GMT panel, 75A inputs, 15A max. outputs, -48 VDC	0HPGMT05NR
Dual-feed 20/20 GMT panel, 20A inputs, 10A max. outputs, -48 VDC	06020-01
Dual-feed 4/4 KLM panel 60A inputs, 30A max. outputs, -48 VDC	0HCKTK125NR
Noise Filters	**Part Number**
2A Max., one filtered I/O, 2" x 2" mountable module, -48 VDC	02NF01
2A Max., 12 filtered I/O, 1 RU x 19" rack-mountable panel, -48 VDC	02NF12

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