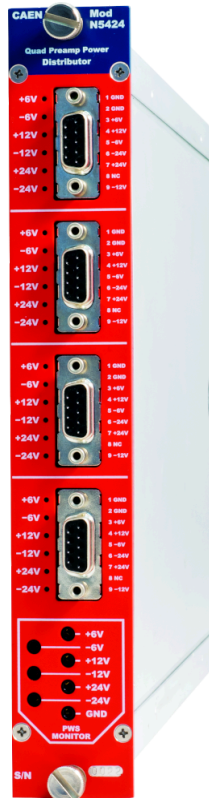


N5424

Quad NIM Power Distributor for A1422 Preamplifiers



Features



- Single-width NIM module
- Four DB9 connectors with ± 6 V, ± 12 V, ± 24 V each
- Ripple: < 2 mVpp on ± 6 V; < 3 mVpp on ± 12 V, ± 24 V
- Survey of all 6 voltages on each output
- Protection of all voltages by self-recovering electronic fuses
- Individually filtered outputs to ensure low noise operation
- Standard voltage output compatible with CAEN electronics and with many other manufacturers

Description

The CAEN **Mod. N5424** is a 4-channel **NIM power distribution** and control module.

The individual voltage outputs (± 6 V, ± 12 V and ± 24 V) are protected by electronic fuses which automatically recover after short circuit. All six voltages are surveyed for each of the four outputs. The status is displayed by LEDs. The module also helps to check the correct voltage levels of a NIM-bin. If a NIM bin without ± 24 V is used, the corresponding LEDs get off, and the voltage survey of those voltages is skipped.

D-Sub9 connector

9 pin female connector for Mod.N5424

Consult our **connectors reference page** for technical information.

Low-noise preamplifiers require DC power that is free of interference generated by other modules inserted in the bin. The mod. N5424 ensures this low-noise capability by filtering the power lines separately at each connector.

Technical Specifications

Mechanical Packaging

One unit NIM mechanics

Power requirements

Powered by NIM bin power supply

PreAmp 1,2,3,4 output

- ± 6 V / 1 A
 - ± 12 V / 1 A
 - ± 24 V / 100 mA
- 4 SubD9 female connectors

Noise performance

- ± 6 OUT on Preamp 1÷4 connectors: ripple 2 mVpp
- ± 12 V OUT, ± 24 V OUT on Preamp 1÷4 connectors: ripple 3 mVpp

Measurement conditions

- 20 MHz bandwidth limited oscilloscope, AC-coupled; capacitive load 100 nF on OUT in measurement
- OUT at full load (1A on ± 6 V OUT, 1A on ± 12 V OUT, 100mA on ± 24 V OUT)

Ordering Options

Code	Description	
WN5424XAAAAA	N5424 - Quad NIM Power Distributor for A1422 Preamplifier	RoHS

Related Products

NIM8303



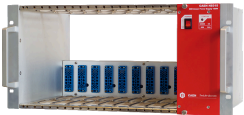
5U 12 slot 300/600 W Crate

NIM8304



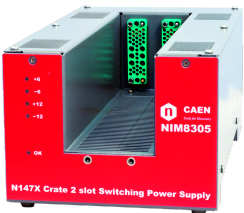
7U 12 slot smart fan unit Switching 2000 W Crate

NIM8302



5U 10 slot 150 W Compact Crate

NIM8305



2 Slot Switching 450 W Mini Crate

A1422



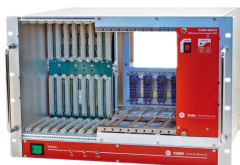
Low-Noise Fast-Rise-Time Charge-Sensitive Preamplifiers (Boxed)

NIM8306



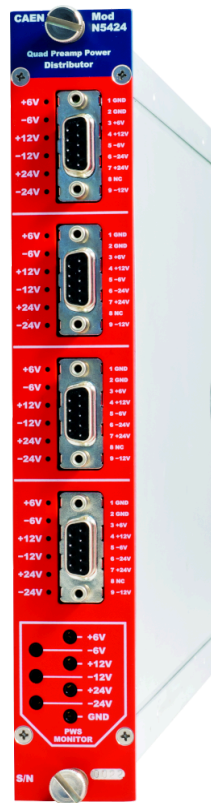
2 Slot Switching 750 W Mini Crate

NV8020A



7U CRATE VME/NIM 8 slot VME64 365W, 5 slot NIM 150W

Gallery



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