

VME8010

7U 21 Slot VME64 Low Cost Crate



Features



- Low cost compact solution
- 19" x 7U (6+1) enclosure
- 21 slot for 6U x 160mm VME modules
- 470W Power Supply
- VME64 J1/J2 monolithic backplane
- Short circuit protection
- Over / Undervoltage protection
- Over temperature protection
- 1U space for Fan Unit
- Powered by 100÷230 VAC, 50 ÷ 60 Hz
- CBLT cycles supported

Description

The **Mod. VME8010** is a 21 slot VME crate, suitable for 6U x160mm boards, with VME64 compliant backplane. A 1U space is reserved for Fan Unit.

The Unit is powered by 100÷230 VAC, 50 ÷ 60 Hz. The power distribution is +5V@60A, -12V@6A, +12V@8.9A.

Technical Specifications

Mechanics

7U bin for 6U x 160 mm VME cards, 21 slots, 1U space for fan tray

Mains input

- Auto range: 85 ÷ 264 Vac, 47 ÷ 63 Hz,
- inrush current: < 40 A @ 264 Vac
- power. fact.: 0.99 Typical

Fuse

F10 A, fast type

Maximum Total Output Power

470 W @ 110 / 264 Vac

Output power

60 A @ +5 V, 6 A @ -12 V, 8.9 A @ +12 V

Isolation

CE acc. to EN 61010

Regulation

< 25mV for 0-100% load change

Noise and ripple

- +5V < 50mV
- +12V < 90mV
- -12V < 90mV
(measured at 90% of full load)

RFI-rejection

CE EN 50081-1, FCC (emission), EN 50082-1 or 2 (immunity)

Over Current Protection

Trip off at 105-125% of the nominal values

Overvoltage protection

Trip off at 120-130% of the nominal values

DC Off (trip off)

within 5 ms if +5%, -2.5% deviation from adjusted nominal values, after overload, overheat, over voltage, under voltage (bad status) and fan fail trip off voltages and currents adjustable, processor controlled

Internal temperature limits

Cut off: 110 °C heat sink, 70 °C ambient, autom. maximum fan speed if air above VME modules > 45°C

Operation

0÷50°C without derating

Temperature coefficient

< 0.2% / 10K

Stability

10mV or 0.1% within 24 hours 50mV or 1.0% within 6 months

Over Temperature Protection

Trip off all Output Voltages and PS internal fan

Efficiency

75% typical at 230Vac & 100% rated power

Cooling Airflow

408 m³/h (at maximum fan speed)

Related Products

VME8004B



2U 4 Slot VME64 Mini Crate

VME8001



1U 2 Slot VME64 Mini Crate

VME8011



7U 21 Slot VME64 Low Cost Crate

VME8004X



2U 4 Slot VME64X Mini Crate

VME8008X



4U 8 Slot VME64X Mini Crate

VME8008B



4U 8 Slot VME64 Mini Crate

Gallery



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