VME8011

7U 21 Slot VME64 Low Cost Crate

VME64	21 (6U)	19”
Package	No. of Slots	Width

VME8011 is a 7U VME64 crate with 21 slots for 6U x 160mm VME modules. Its J1/J2 monolithic backplane supports CBLT cycles, while the pluggable 470W power supply provides +5V@60A, -12V@6 A and +12V@8.9A. Housed in a 19″ x 7U (6+1) enclosure, it operates from 100÷230 VAC, 50 ÷ 60 Hz and includes short-circuit, over/undervoltage and over-temperature protection. A 1U space is reserved for a fan unit.

Overview

Product Highlights

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

Product Description

The **Mod. VME8011** 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 Mod. VME8011 has a pluggable Power Supply.
The power distribution is +5V@60A, -12V@6 A, +12V@8.9A.

AT A GLANCE	
Package	**VME64**
No. of Slots	**21 (6U)**
Width	**19”**
Height	**7U**
Backplane connectors	**VME64 J1/J2**
Pluggable power supply	**Yes**

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Technical Specifications

Mechanics	7U bin for 6U x 160 mm VME cards, 21 slots, 1U space for fan tray
Mains input	auto range: 100÷230 VAC, 47÷63 Hz, 400 Hz on request, inrush current: limited by cold-start-circuit, max. 20 A input current: CE acc. to EN 61000-3-2, IEC 555 power. fact. 0.95 (230 VAC)
Maximum Total Output Power	470 W @ 110 / 264 Vac
Main Fuse	F10 A, fast type
Output power	60 A @ +5 V, 6 A @ -12 V, 8.9 A @ +12 V
Isolation	CE acc. to EN 61010
Power requirements	645W at full load
Regulation	< 25mV for 0-100% load change
Efficiency	75% typical at 230Vac & 100% rated power

Noise and ripple

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

Overvoltage protection	Trip off at 120-130% of the nominal values
Over Current Protection	Trip off at 105-125% of the nominal values
Over Temperature Protection	Trip off all Output Voltages and PS internal fan
Operation	0÷50°C without derating
Cooling Airflow	408 m³/h (at maximum fan speed)

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Ordering Information

ORDERING CODE	DESCRIPTION
WV8011VME000	VME8011 – VME64 7U Low Cost crate, 21 Slot J1/J2, pluggable power supply, (5V 60A,-12V 6A,+12V 8.9A)

1. Ordering codes and descriptions are reproduced from the product record. Availability is confirmed at order entry.

Related Products

VME8001 — 1U 2 Slot VME64 Mini Crate

VME8004B — 2U 4 Slot VME64 Mini Crate

VME8004X — 2U 4 Slot VME64X Mini Crate

VME8008X — 4U 8 Slot VME64X Mini Crate

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