VME8004B

2U 4 Slot VME64 Mini Crate

VME64	4 (6U)	19"
Package	No. of Slots	Width

The VME8004B is a 2U, 4-slot VME crate for 6U x 160mm modules, featuring a VME64 J1/J2 monolithic backplane with automatic daisy chain and CBLT data-cycle support. Its 365W power supply operates from 100 – 240 Vac (50 – 60 Hz) and provides 25A@+5V, 10A@+12V and 10A@-12V distribution. The 19″ enclosure has horizontal side-to-side ventilation and short-circuit protection.

Overview

Product Highlights

- 19″ x 2U enclosure
- 365W Power Supply
- VME64 J1/J2 monolithic backplane
- Powered by 100 – 240 Vac (50 – 60 Hz)
- 4 slot for 6U x 160mm VME modules
- Short circuit protection
- Horizontal Ventilation (side to side)

Product Description

The CAEN **Mod. VME8004B** is a 4 slot VME crate, suitable for 6U x 160mm boards, with VME64 compliant backplane. The Unit is powered by 100 - 240 Vac (50 - 60 Hz). The power distribution is 25A@+5V, 10A@+12V, 10A@-12V. The VME8004B provides automatic daisy chain and supports CBLT data cycles.

AT A GLANCE	
Package	**VME64**
No. of Slots	**4 (6U)**
Width	**19"**
Height	**2U**
Backplane connectors	**VME64 J1/J2**
Pluggable power supply	**No**

Technical Specifications

Mechanics	19″ x 2U enclosure, depth: 290mm, weigth: 5.5kg; 4 slots 6U, 160mm VME boards
Mains input	100 – 240 Vac (50 – 60 Hz); C14 type inlet
Backplane	J1/J2; Automatic daisy chain, CBLT compliant
Max Total Output Power	365 W
Output power	25A@+5V, 10A@-12V, 10A@+12V; 25A@+3.3V (VME8004X, VME8008X only)
Power Requirements	465W
Load Regulation	< 1 % for 0-100% load change @ +5 V, < 1 % for 0-100% load change @ ±12 V
Noise and ripple (backplane connector)	+5V: 10 mVpp; ±12V: 20 mVpp. Measured on 100nF ceramic in parallel to 10µF electrolytic
Power supply type	ROAL RCB600 power supplies
Cooling Airflow	Horizontal Ventilation (side to side)

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Ordering Information

ORDERING CODE	DESCRIPTION
WV8004BVME00	VME8004B – VME64 2U Mini crate, 4 Slot J1/J2,(5V 25A, +12V 10A, -12V 10A)

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

VME8004X — 2U 4 Slot VME64X Mini Crate

VME8008X — 4U 8 Slot VME64X Mini Crate

VME8004B — 2U 4 Slot VME64 Mini Crate

VME8008B — 4U 8 Slot VME64 Mini Crate

VME8011 — 7U 21 Slot VME64 Low Cost Crate

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