6U VME 395 Mini Chassis

6U VME 395 Mini Chassis Bulletpoints

- **9 VME/VME64 Slots** in kompaktem 6U-Chassis für Desktop oder 19“-Rack
- **Low-Noise-Netzteil** im Ethernet-Remote-Monitoring
- **Leistung bis 1100W**, Spannung: + 5 V, ±12 V
- **Effiziente Kühlung** mit regelbare, Lüfter und Temperaturensensoren
- **Robust & zuverlässig,** MTBF >100.000 h, Gewicht ca.25 kg

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Technical Information

Electrical Parameters:	
Inputs	
Mains input range	90–265 V AC, 47–63 Hz (PFC)
Input current	– (10 A Sicherung)
Inrush current	< 30 A @ 230 V AC
Input fuse	10 A
Outputs	
Number of channels	3 Rails (+5 V, +12 V, −12 V)
Output Voltages	VME395_1: +5 V / 33 A, +12 V / 6 A, −12 V / 1 A • VME395_2: +5 V / 66 A, +12 V / 12 A, −12 V / 2 A
Output Power	1× 250 W PSU oder 2× 250 W redundant (hot-swappable); 300 W PSU auf Anfrage
Overvoltage protection	Trip-off, Schutz gegen unterbrochene Sense-Leitungen
Overcurrent protection	Programmierbare Überstrom-Schwellwerte (Shelf Manager)
Ripple and Noise	< 50 mVpp (typ. < 30 mVpp, 0–20 MHz), < 3 mVrms (0–2 MHz)
Efficiency	bis ca. 80 % (abhängig von Ausgangsmodulen)
Monitoring & Control	
Voltage	Lokal & Remote (CML Shelf Manager)
Current	Lokal & Remote
Status LED	4 Status-LEDs + alphanumerisches Display
Isolation	
Input - Output	CE EN 60950, ISO 380, VDE 0805, UL 1950, C22.2.950
Input - Chassis	
Output - Chassis	
Environment and Cooling:	
Operation temperature:	0…40 °C (ohne Derating)
Cooling media	Frontseitig montierter, herausnehmbarer DC-Hochleistungsgebläse (2400…7400 RPM), Front-zu-Rear-Luftstrom, ~340 m³/h; temperaturgeregelt
Mechanical Parameters	
Dimensions	482 mm (B) × 215 mm (H) × 417 mm (T)
Weight	20 kg
Input Connector	n. spez. (AC-Netzeingang, rückseitig)
Output connector	VME/VME64 9-Slot monolithisches Backplane
Mounting	19”-Rack, Desktop oder Tower
Other	
Communication Protocols	
Reliability	Lüfter MTBF > 60.000 h (bei 40 °C)
Warranty / Maintencance	

Electrical, Environmental & Compliance Data

Main Power

- **Output Voltages / Currents: +5 V / 45 A, +12 V / 11.5 A, –12 V / 11.5 A (Option “Special”: +5 V / 115 A, ±12 V / 23 A)**
- **Regulation (load change 10–100 %): tatic < 0.05 % (MDH), < 0.1 % (MDL/MDH), over ±100 % load & full mains range**
- **Ripple & Noise (full load): typically < 10 mVpp or 3 mVrms (low-noise VHF switching)**
- **Recovery time (10–100 % load): Specified for ± 25% load Steps-> 550 W modules: 0.2 ms to ±1% / 0.5 ms to ±0.1%; 650 W modules: 0.5 ms / 1.0 ms; MDL/MDH: 0.0 ms / 1.0 ms**
- **Output impedance (static/dynamic @ 100 kHz): not specified**

Auxiliary Power

- **None – primary rails provided via VME/VME64 backplane**

Compliance

- **Safety: CE EN 60950, ISO 380, VDE 0805, UL 1950, C22.2.950**
- **EMC (emission): EN 61000-6-3, EN 55022 Class B (conducted/radiated), EN 61000-3-2 (harmonics), EN 61000-3-3 (flicker)**
- **EMC (immunity): EN 61000-6-2; EN 61000-4-2/3/4/5/6/11**
- **CE conformity; Input with PFC**

Environmental

- **Operating temperature: 0 °C … 50 °C (ambient, without derating)**
- **Storage temperature: –30 °C … +85 °C**
- **Clean earth wiring: not specified**
- **Chassis: forced-air cooled rigid chassis (DC blower 1200–3200 RPM), thermal monitoring (8 sensor ports), programmable over-temperature protection**

Communication / Monitoring

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