Vibro-Meter VM600 RPS6U SIM-275D-24 200-582-200-013 DC

Rack Power Supply

The exact part number is identified as RPS6U 24VDC in the manufacturer functional safety manual. The SIM-275D-24 designation identifies the 18-32 V DC input execution in the hardware manual.

Exact identity source	MAVM600-FS/E, Table 1-2
Input execution source	MAMPS-HW/E, Section 2.10.11
Original version source	MAMPS-HW/E, Section 2.10.1

Version boundary

The 013 suffix falls in the original 200-582-x00-01h group. This version is rated at 300 W. The later 02h group was redesigned for 330 W and has different output-current capabilities.

Related machinery-monitoring portfolio

Separate portfolio references. These links do not assert compatibility or replacement equivalence.

Vibro-Meter VM600 MPC4 200-510-071-113

View Vibro-Meter VM600 MPC4 200-510-071-113

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VM600 RPS6U
SIM-275D-24
200-582-200-013 DC

02 / Electrical and rack data

System	VM600
Component	RPS6U rack power supply
Execution / part number	SIM-275D-24 / 200-582-200-013
Nominal input / input range	24 V DC / 18-32 V DC
Original version rating	300 W
+5 V DC output	Up to 35 A
+12 V DC output	Up to 6 A
-12 V DC output	Up to 2 A
Installation	Front of ABE04x rack
Supply positions	PS1: slots 18-20; PS2: slots 15-17
Operating temperature	-25 to 65 degrees C, subject to rack load/cooling limits

Important Notice: Output rail limits do not establish every permissible rack population. Check card load, supply count, operating mode and cooling against the original-version requirements.

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03 / Rack supply arrangement and installation boundaries

Supply arrangement

PS1 location	Slots 18-20, right side
PS2 location	Slots 15-17, left side
PS1 only: relay jumpers	J16 open / J17 closed
PS2 only: relay jumpers	J16 closed / J17 open
Both supplies: relay jumpers	J16 open / J17 open

Electrical installation

Use the appropriate DC-input rear panel. The hardware manual requires an accessible external means of disconnection for DC-input racks. For an original 300 W, 24 V DC supply, its recommendation is a 23 A circuit breaker; select and install protection according to the full manual and site requirements.

Hazardous voltage boundary

Removing a supply, rear panel or card can expose a hazardous-voltage backplane. Follow the manufacturer electrical-safety procedure and isolate the applicable supplies before service.

Redundancy is a configuration result. Two installed supplies alone do not prove a redundant rack or independent external supplies.

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04 / Model-specific FAQ (1-4)

1. Why must the original 300 W limits be used for Vibro-Meter VM600 RPS6U SIM-275D-24 200-582-200-013 DC?

The 200-582-200-013 part belongs to the original RPS6U version described as 300 W. The later 330 W version has different output limits and must not supply this article's specifications.

2. Which DC input range applies to Vibro-Meter VM600 RPS6U SIM-275D-24 200-582-200-013 DC?

SIM-275D-24 is the nominal 24 V DC execution, with an 18-32 V DC input range in the hardware manual. AC-input and other DC-voltage executions are different variants.

3. What are the three rack output rails and original-version limits of Vibro-Meter VM600 RPS6U SIM-275D-24 200-582-200-013 DC?

The original 300 W version provides +5 V DC up to 35 A, +12 V DC up to 6 A and -12 V DC up to 2 A. Rack loading and cooling requirements still apply; these rail limits do not establish unlimited simultaneous loading.

4. Which PS1 and PS2 rack positions can be used for Vibro-Meter VM600 RPS6U SIM-275D-24 200-582-200-013 DC?

PS1 occupies slots 18-20 on the right; PS2 occupies slots 15-17. Use the appropriate ABE04x backplane and DC rear-panel arrangement, and isolate power before exposing the backplane.

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5. What does the original DC supply top LED identify on Vibro-Meter VM600 RPS6U SIM-275D-24 200-582-200-013 DC?

The original DC version uses a top LED labelled DC. The later version uses IN for both AC and DC executions, so the later indicator legend should not be assumed for this original supply.

6. Do two installed Vibro-Meter VM600 RPS6U SIM-275D-24 200-582-200-013 DC supplies automatically provide redundancy?

No. The manual distinguishes redundant operation from non-redundant load sharing. Card load, temperature, supply version and wiring determine whether one supply can carry the required rack load; external supply redundancy is a separate question.

7. How do J16 and J17 relate to the rack configuration containing Vibro-Meter VM600 RPS6U SIM-275D-24 200-582-200-013 DC?

For the associated supply-check relays, the manual specifies J16 open/J17 closed for PS1 only, J16 closed/J17 open for PS2 only, and both open when both supplies are installed. Apply the instructions for the actual backplane and configuration.

8. Which circuit-protection guidance applies to the original 24 V DC execution of Vibro-Meter VM600 RPS6U SIM-275D-24 200-582-200-013 DC?

The hardware manual recommends a 23 A circuit breaker for the original 300 W, 24 V DC version. Provide the specified accessible means of DC supply disconnection and follow the manufacturer's installation requirements; the DC input lead is not supplied.

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06 / Related portfolio and manufacturer source record

Related machinery-monitoring portfolio

Separate portfolio references. These links do not assert compatibility or replacement equivalence.

Vibro-Meter VM600 IOC4T 200-560-000-113

View Vibro-Meter VM600 IOC4T 200-560-000-113

Vibro-Meter MPC4 200-510-078-115

View Vibro-Meter MPC4 200-510-078-115

Vibro-Meter VM600 MPC4 200-510-070-112

View Vibro-Meter VM600 MPC4 200-510-070-112

Manufacturer references

Meggitt SA: VM600 MPS Hardware Manual (standard version), MAMPS-HW/E, Edition 17, February 2018; Sections 2.10, 8.3 and Appendix A.2.

Vibro-Meter SA: VM600 Functional Safety Manual, MAVM600-FS/E, Edition 2, 3 May 2010; Table 1-2 (exact part identity).

Functional-safety context

The exact part listing identifies a supply within the described VM600 system. It does not grant a standalone SIL rating to the power supply. Apply the full system configuration and verification requirements for safety-related use.

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