AMIKON TECHNICAL DOCUMENTATION

Product Data Sheet

Siemens 6ES7138-4CA01-0AA0

ET 200S Power Monitoring Module



LOAD VOLTAGE	CAPACITY	DIAGNOSTICS	WIDTH
24 V DC	**10 A to 60°C**	**SF / PWR**	**15 mm**

Siemens 6ES7138-4CA01-0AA0 is the PM-E DC24V power module for SIMATIC ET 200S. It monitors the supply voltage serving the electronic modules in its voltage group, while the associated TM-P terminal module provides the physical load-voltage feed.

01 VERIFIED TECHNICAL INFORMATION

Rated load voltage	24 V DC
Current-carrying capacity	Maximum 10 A up to 60°C
No-load supply consumption	Maximum 4 mA from L+
Power dissipation	Typically 0.1 W
Short-circuit protection	No internal short-circuit protection; external protection required
Reverse-polarity protection	Yes
Electrical isolation	Load voltage from backplane bus; between power modules

Manufacturer evidence: Power module PM-E DC24V (6ES7138-4CA01-0AA0); exact-model manual section and manufacturer data sheet.

02 TECHNICAL INFORMATION CONTINUED

Insulation test voltage	500 V DC
Parameter length	3 bytes
Missing-load-voltage diagnostics	Enable or disable; disabled by default
Diagnostic indication	Red SF and green PWR LEDs; readable diagnostic information
Status-only address allocation	1 input byte, no output bytes
Option-handling address allocation	8 input and 8 output bytes; combined status option uses 9 each, ninth output not relevant
Vertical installation temperature	0 to 55°C
Fail-safe module suitability	Suitable for fail-safe modules; not itself identified as a fail-safe output device

03 SOURCE AND CONFIGURATION CHECKS

The module provides configurable missing-load-voltage diagnostics, a red SF indicator and a green PWR indicator. Its status byte remains updated even when that diagnostic is disabled. Selection must account for the downstream modules, the terminal arrangement and the group's total current demand.

Packed dimensions and supplied-unit origin must be checked against the actual delivery. No verified gross shipping weight is inferred from module net mass.

Siemens original documentation and product reference

Exact-model Siemens data sheet

AMIKON PRODUCT SUPPORT

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