

AMIKON TECHNICAL DOCUMENTATION

Product Data Sheet

Siemens 6ES7138-4CA00-0AA0

Diagnosed 24 V DC Load Power Module



SUPPLY	CAPACITY	DIAGNOSTICS	PARAMETERS
24 V DC	10 A	PWR / SF	3 bytes

Siemens 6ES7138-4CA00-0AA0 is the SIMATIC ET 200S PM-E power module for a nominal 24 V DC load supply. Its manufacturer data sheet specifies up to 10 A current-carrying capacity at temperatures up to 60 degrees Celsius, with load-voltage diagnostics.

01

VERIFIED TECHNICAL INFORMATION

Rated load voltage	24 V DC
Current-carrying capacity	Maximum 10 A up to 60 °C
No-load current from L+	Maximum 4 mA
Typical power loss	0.1 W
Load-supply protection	External protection required; characteristic C recommended; no internal short-circuit protection
Reverse-polarity protection	Provided
Load-voltage diagnostics	Missing load voltage can be enabled or disabled

Exact-model Siemens sources are identified in the accompanying manufacturer reference. This independently prepared summary does not replace safety engineering or commissioning procedures.

02 TECHNICAL INFORMATION CONTINUED

Diagnostic information	Readable diagnostic information supported
Status indicators	Green PWR for rated load voltage; red SF for group error
Parameter data	3 bytes
Electrical isolation	Between rated load voltage and backplane bus, and between power modules
Isolation test voltage	500 V DC; test value, not an operating supply rating

03 SOURCE AND CONFIGURATION CHECKS

The module provides green PWR and red SF indications and readable diagnostic information. Missing-load-voltage reporting can be enabled or disabled through its three-byte parameter data. Supply short-circuit protection must be provided externally; reverse-polarity protection does not replace the required external protective device.

This reference uses the exact CA00 Siemens data sheet dated 03/05/2018. It is not a wiring or installation manual. No cross-suffix interchangeability, terminal assignment, packed size or shipment gross mass is established by this sheet.

Confirm the supplied hardware, firmware and approved project documentation. Product net mass is not shipment gross weight. Installation and return to service require qualified personnel.

Siemens official exact-model product reference