

SIMATIC ET 200 DISTRIBUTED I/O SYSTEMS

Product Data Sheet

6ES7138-7EA01-0AA0

distributed I/O power supply module

FUNCTION distributed I/O power supply module	FAMILY SIMATIC ET 200 distributed I/O	ORIGIN Germany	WEIGHT 2.7 kg
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Siemens SIMATIC S7 6ES7138-7EA01-0AA0 is a distributed I/O power supply module for the SIMATIC ET 200 distributed I/O systems. The values below are limited to the exact documented article.

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VERIFIED TECHNICAL DATA

Rated value (DC)	24 V
IP degree of protection	IP30
min.	-20 °C
max.	70 °C
Power loss, typ.	20 W; for more information on power loss, see "Limitation of connectable elect
permissible range, lower limit (DC)	19.2 V
permissible range, upper limit (DC)	30 V
Reverse polarity protection	Yes
external protection for power supply lines (recommendation)	protection with 6 A miniature circuit breaker and tripping characteristic C (p
from supply voltage L+, max.	4 A

- Use the documented distributed I/O power supply module: Apply 6ES7138-7EA01-0AA0 only in the manufacturer-specified SIMATIC ET 200 distributed I/O systems position. Match the complete article number, electrical interfaces and adjacent hardware before service.
- Preserve interfaces and module position: Record connector keying, terminal assignments, shields, protective earth and neighboring assemblies for 6ES7138-7EA01-0AA0; restore the same controlled arrangement during installation.
- Validate the restored control function: After installing 6ES7138-7EA01-0AA0, review system diagnostics and test the affected signals, communication or controlled equipment at a safe operating point. Record the final acceptance results.

Match 6ES7138-7EA01-0AA0 to the installed SIMATIC ET 200 distributed I/O systems, complete wiring, mating hardware, revision and approved configuration. A similar article number does not establish direct interchangeability.

[Siemens Industry Mall technical product data](#)

<https://mall.industry.siemens.com/mall/en/kettanehjoown/Catalog/Product?SiepCountryCode=OE&mlfb=6ES7138-7EA01-0AA0>

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