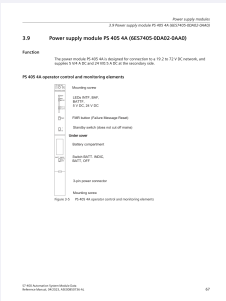


AMIKON TECHNICAL INTELLIGENCE

Product Data Sheet

Siemens 6ES7405-0DA02-0AA0

SIMATIC S7-400 PS 405 4A DC power supply



DC INPUT	5 V OUTPUT	24 V OUTPUT	RACK WIDTH
24 / 48 / 60 V	4 A maximum	0.5 A maximum	One slot

Siemens 6ES7405-0DA02-0AA0 is the SIMATIC S7-400 PS 405 4A system power supply for 24, 48 or 60 V DC networks. It supplies the rack backplane with 5 V DC at up to 4 A and 24 V DC at up to 0.5 A, with a documented input range of 19.2 to 72 V DC.

01 VERIFIED PRODUCT PARAMETERS

Nominal input voltage	24, 48 or 60 V DC
Permitted DC input range	19.2 to 72 V DC
5 V backplane output	Up to 4 A; no base load required
24 V backplane output	Up to 0.5 A; idling-proof
Input current at rated voltages	2 A at 24 V; 1 A at 48 V; 0.8 A at 60 V
Maximum inrush current	18 A; 20 ms full width at half maximum
Mains-failure stored-energy time	20 ms
Typical power loss	16 W
Operating ambient temperature	0 to 60 deg C
Protective construction	Class I with PE; primary/secondary isolation

Technical values were verified against Siemens A5E00850736-AL, 04/2023; A5E00850741-01, section 4.12 and the Siemens Industry Mall record for the exact article number.

02 MECHANICAL AND LIFECYCLE DATA

Dimensions (W x H x D)	25 x 290 x 217 mm
Weight (official module manual)	Approx. 0.76 kg
Country of origin	Germany
Lifecycle at verification	PM300 Active Product

03 SYSTEM ROLE AND APPLICATIONS

The single-slot unit powers the installed rack electronics rather than external signal-module loads. Check both backplane current budgets, the coded DC power connector and protective conductor; optional battery backup serves memory retention and is not an uninterrupted supply for operating the complete rack.

- Rack electronics: feed the S7-400 backplane within the separate 5 V and 24 V current limits.
- Memory retention: plan and monitor the optional backup supply for supported RAM and parameters.
- Fault investigation: use power-supply LEDs and CPU diagnostics to identify and resolve rack power disturbances.

04 OFFICIAL INSTALLATION FACTS

- Place the process in its required safe state and isolate the incoming DC supply; standby is not isolation.
- Confirm the PS 405 4A article and the permitted rack power-supply position before installation.
- Check the 5 V and 24 V module-current totals separately; field-load voltages need their own supply.
- Use the DC-coded connector and the L+, L- and PE markings; prepare the documented conductor sizes.

05 OFFICIAL DOCUMENTATION

Siemens A5E00850736-AL, 04/2023; A5E00850741-01, section 4.12