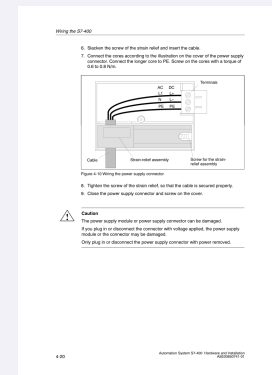


FIELD INSTALLATION QUICK GUIDE

Installation Instructions

Siemens 6ES7405-0DA02-0AA0

SIMATIC S7-400 PS 405 4A DC power supply



PRODUCT	6ES7405-0DA02-0AA0
FAMILY	SIMATIC S7-400
FUNCTION	SIMATIC S7-400 PS 405 4A DC power supply
STATUS	Verify exact configuration

Prepared by Amikon Limited from Siemens A5E00850736-AL, 04/2023; A5E00850741-01, section 4.12. This guide does not replace the complete manufacturer manual, site procedure, hazardous-area drawing, or approval document.

01 CONFIRM THE ORDERED CONFIGURATION

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

02 MOUNTING AND CONNECTION

- 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.
- Tighten connector conductor screws to 0.6-0.8 Nm, secure the strain relief and close the connector cover.

OFFICIAL INSTALLATION REFERENCE

Wiring the S7-400

6. Slacken the screw of the strain relief and insert the cable.
7. Connect the cores according to the illustration on the cover of the power supply connector. Connect the longer core to PE. Screw on the cores with a torque of 0.6 to 0.8 N/m.

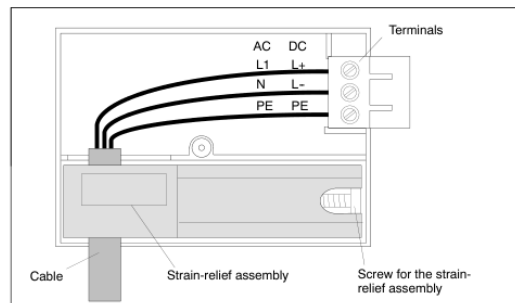


Figure 4-10 Wiring the power supply connector

8. Tighten the screw of the strain relief, so that the cable is secured properly.
9. Close the power supply connector and screw on the cover.



Caution

The power supply module or power supply connector can be damaged.
If you plug in or disconnect the connector with voltage applied, the power supply module or the connector may be damaged.
Only plug in or disconnect the power supply connector with power removed.

04

CABLE ROUTING AND CONNECTION

- 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.
- Tighten connector conductor screws to 0.6-0.8 Nm, secure the strain relief and close the connector cover.
- Reconnect only with power removed; then inspect supply, CPU and enabled battery-monitoring indications.

05

INITIAL SYSTEM CHECKS

- Confirm model identity and compatible system components before energizing.
- Verify wiring, grounding, enclosure, and applicable hazardous-area requirements.
- Confirm the DC5V and DC24V indications and review any INTF or battery warning before returning the rack to service.
- Record the installed order number and baseline operating condition.

06

CONTROLLED DOCUMENTS

Official source	Siemens A5E00850736-AL, 04/2023; A5E00850741-01, section 4.12
Product record	6ES7405-0DA02-0AA0
Manufacturer	Siemens
Support	INFO@AMIKON.CN