SIMATIC S7-400 PS 405

Product Data Sheet

6ES7405-0DA01-0AA0

DC power supply module

RATED DC INPUT	CONTINUOUS INPUT RANGE	DYNAMIC INPUT RANGE	INPUT CURRENT AT RATED SUPPLIES
24 / 48 / 60 V DC	**19.2 to 72 V DC**	**18.5 to 75.5 V DC**	**2 / 1 / 0.8 A**

Siemens 6ES7405-0DA01-0AA0 is a PS 405 4A power supply for the SIMATIC S7-400 rack. It accepts nominal 24, 48 or 60 V DC and supplies the rack backplane with 5 V and 24 V power for the installed controller and I/O modules.

01 VERIFIED TECHNICAL DATA

Rated DC input	24 / 48 / 60 V DC
Continuous input range	19.2 to 72 V DC
Dynamic input range	18.5 to 75.5 V DC
Input current at rated supplies	2 / 1 / 0.8 A
Backplane output voltages	5.1 V DC and 24 V DC
Backplane output current	4 A at 5 V; 0.5 A at 24 V
Power interruption buffering	More than 20 ms at 1 s repetition
Power consumption at 24 V	48 W
Power loss	16 W
Power-off backup current	100 microA maximum

Values follow the applicable manufacturer documents identified on page 2.

02 ADDITIONAL PRODUCT DATA

Optional backup battery	One lithium AA, 3.6 V / 2.3 Ah
Input conductor cross-section	3 x 1.5 mm²
Cable diameter	3 to 9 mm
Protection class	Class I with protective conductor
Insulation test voltage	700 V DC secondary to PE; 2200 V DC primary to secondary/PE

03 DOCUMENTED USE SETTINGS

Thermal Electricity and Hydroelectric Power Generation: Combined-Cycle Power Generation.

Basic Chemicals and Specialty Chemical Manufacturing: Petrochemical Manufacturing.

Municipal Water Supply and Industrial Wastewater Treatment: Drinking Water Treatment.

04 SYSTEM COMPATIBILITY

Size the S7-400 backplane load against both output rails: 4 A at 5 V and 0.5 A at 24 V. A load acceptable on one rail can still exceed the other rail. Connect the DC source within the continuous input window and retain the protective earth connection required by Class I construction.

05 PRODUCT EVIDENCE

Siemens S7-400 Module Data A5E00850736-AJ, section 3.12

AMIKON PRODUCT SUPPORT

+86-18020776786 INFO@AMIKON.CN **AMIKONG.COM**