SIMATIC S5-155H PS 955

Product Data Sheet

6ES5955-7NC11

CC 155H Rack Power Supply

NOMINAL INPUT VOLTAGE	PERMITTED INPUT RANGE	MAXIMUM INPUT CURRENT AT RATED LOAD	5 V OUTPUT SETTING
24 V DC	**18 to 33 V DC**	**7 A at nominal voltage**	**5.1 V DC**

Siemens 6ES5955-7NC11 is the PS 955 power supply described for the SIMATIC S5-155H CC 155H rack. It accepts nominal 24 V DC and supplies the rack backplane with a 5 V-class output rated 14 A and a 24 V output rated 1 A. The supply powers the rack modules and does not provide the separate load voltages required by signal-module field circuits.

01 TECHNICAL DATA

Nominal input voltage	24 V DC
Permitted input range	18 to 33 V DC
Maximum input current at rated load	7 A at nominal voltage
5 V output setting	5.1 V DC
5 V output current	14 A
5 V required base load	200 mA
24 V output current	1 A
24 V output tolerance	+25% / -12.5%
Input fuse	10 A; 25 V; medium time-lag
Minimum rated-load efficiency	70%

Siemens S5-155H CPU 948 manual C79000-B8576-C139-06; CC 155H PS 955 section 3, identification and technical specificatio

02 ADDITIONAL PRODUCT DATA

Selectable power-failure hold-up	More than 20 ms or more than 5 ms
Maximum 5 V ripple	1%
Maximum 5 V settling time	5 ms
Relay-output rating	24 V DC; 0.2 A maximum
Conductor cross-section	0.2 to 2.5 mm2

03 PRODUCT FUNCTION

The permitted input range is 18 to 33 V DC, with a maximum 7 A input at nominal voltage and rated load. The 5 V output is set to 5.1 V and requires a 200 mA base load. The unit provides monitored output indications and an optional monitored redundant backup-battery arrangement. Although the manual describes galvanic separation, it explicitly states that this is not safe isolation; the incoming 24 V source must meet the required safe-isolation conditions.

04 SYSTEM COMPATIBILITY

Provide a safely isolated 24 V source within 18 to 33 V DC and use the documented input protection. The supply itself does not establish safe isolation between incoming and outgoing circuits. Observe the manual grounding arrangement, including the common ground of the two outputs.

05 REFERENCE

Siemens S5-155H CPU 948 manual C79000-B8576-C139-06; CC 155H PS 955 section 3, identification and technical specifications.

AMIKON PRODUCT SUPPORT

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