SIMATIC S7-1500

Product Data Sheet

6ES7505-0KA00-0AB0

Backplane system power supply

RATED INPUT	STATIC INPUT RANGE	DYNAMIC INPUT RANGE	RATED INPUT CURRENT
24 V DC	**19.2 to 28.8 V DC**	**18.5 to 30.2 V DC**	**1.3 A**

Siemens 6ES7505-0KA00-0AB0 is a PS 25 W 24 V DC system power supply for the S7-1500 backplane. It converts the external 24 V input into the station power required by the configured module segment.

01 TECHNICAL DATA

Rated input	24 V DC
Static input range	19.2 to 28.8 V DC
Dynamic input range	18.5 to 30.2 V DC
Rated input current	1.3 A
Input interruption buffer	20 ms
Backplane output power	25 W
Power loss	6.2 W
Isolation test voltage	707 V DC
Degree of protection	IP20
Protection class	III

02 ADDITIONAL PRODUCT DATA

Symmetrical surge withstand	±1 kV
Asymmetrical surge withstand	±2 kV
Documented firmware	V1.0
Documented hardware status	FS02
Configuration support	STEP 7 V12 / V5.5 SP3

03 PRODUCT FUNCTION

The supply provides 25 W of backplane power and bridges a 20 ms input interruption under its specified conditions. Static and dynamic input-voltage limits are stated separately, and the system-power budget must be checked against the demand of the installed station modules.

04 SYSTEM COMPATIBILITY

Connect the external 24 V DC supply within the 19.2–28.8 V static range and apply the specified protective arrangement. The separate 18.5–30.2 V dynamic range is not the continuous operating range.

05 REFERENCE

Siemens 6ES7505-0KA00-0AB0 technical data and applicable product instructions

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