

Siemens 6ES7505-0KA00-0AB0 Manual

Brand	Siemens
Product Series	Siemens
Product Type	designation PS 25W 24VDC

Description

6ES7505-0KA00-0AB0

SIMATIC S7-1500, System power supply PS 25W 24 V DC, supplies the backplane bus of the S7-1500 with operating voltage

General information

Product type designation PS 25W 24VDC

HW functional status FS02

Firmware version V1.0.0

Engineering with

- STEP 7 TIA Portal configurable/integrated from version V12 / V12
- STEP 7 configurable/integrated from version V5.5 SP3 or higher

Supply voltage

Rated value (DC) 24 V

permissible range, lower limit (DC) 19.2 V; Static 19.2 V, dynamic 18.5 V

permissible range, upper limit (DC) 28.8 V; Static 28.8 V, dynamic 30.2 V

Reverse polarity protection Yes

Short-circuit protection Yes

Mains buffering

- Mains/voltage failure stored energy time 20 ms

Input current

Rated value at 24 V DC 1.3 A

Output current

Short-circuit protection Yes

Power

Infeed power to the backplane bus 25 W

Power loss

Power loss at nominal rating conditions 6.2 W

Interrupts/diagnostics/status information

Status indicator Yes

Potential separation

primary/secondary Yes

Isolation

Isolation tested with 707 V DC (type test)

EMC

Interference immunity against voltage surge

- Interference immunity on supply lines acc. to IEC 61000-

4-5

Yes; ± 1 kV (acc. to IEC 61000-4-5; 1995; surge symm.), ± 2 kV (acc. to IEC

61000-4-5; 1995; surge asymm.), no external protective circuit required

Degree and class of protection

IP degree of protection IP20

Equipment protection class III, with protective conductor

Ambient conditions

Altitude during operation relating to sea level

- Installation altitude above sea level, max. 5 000 m; Restrictions for installation altitudes > 2 000 m, see manual

Dimensions

Width 35 mm

Height 147 mm

Depth 129 mm

Weights

Weight, approx. 350 g

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