

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 as of version	V12 / V12
• STEP 7 configurable/integrated as of version	V5.5 SP3 or higher

Supply voltage

Rated value (DC)	24 V
permissible range, lower limit (DC)	Static 19.2 V, dynamic 18.5 V
permissible range, upper limit (DC)	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
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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)
Degree and class of protection	
Degree of protection acc. to EN 60529	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
last modified:	01/03/2020