



SIMATIC S7-1500, SYSTEM POWER SUPPLY PS 25W 24V DC, SUPPLIES THE OPERATING VOLTAGE FOR THE S7-1500 VIA THE BACKPLANE BUS

Product type designation

General information

HW functional status	E01
Firmware version	V1.0.0
Engineering with	
<ul style="list-style-type: none"> <li>STEP 7 TIA Portal can be configured/integrated as of version</li> </ul>	V12 / V12
<ul style="list-style-type: none"> <li>STEP 7 can be configured/integrated as of version</li> </ul>	V5.5 SP3 or higher

FH technology

Redundancy	
<ul style="list-style-type: none"> <li>Redundancy capability</li> </ul>	Yes
<ul style="list-style-type: none"> <li>— for increased power</li> </ul>	Yes

Supply voltage

Rated value (DC)	24 V; SELV
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

<ul style="list-style-type: none"> <li>Mains/voltage failure stored energy time</li> </ul>	20 ms
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Output current

short-circuit protection	Yes
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Power	
Infeed power to the backplane bus	25 W
Power losses	
Power loss at nominal rating conditions	6.2 W
Interrupts/diagnostics/status information	
Status indicator	Yes
Galvanic isolation	
primary/secondary	Yes; Electrical isolation for max. 60 V AC/75 V DC (base isolation)
Isolation	
Isolation checked with	707 V DC (type test)
EMC	
Surge immunity	
<ul style="list-style-type: none"> <li>on the supply lines acc. to IEC 61000-4-5</li> </ul>	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	
Degree of protection to EN 60529	IP20
Protection class	3; with protective conductor
Dimensions	
Width	35 mm
Height	147 mm
Depth	129 mm
Weights	
Weight, approx.	350 g
<b>last modified:</b>	12.03.2015