## **SIEMENS**

Data sheet 6EP1332-1LB00



SITOP PSU100L/1AC/24VDC/2.5A

SITOP PSU100L 24 V/2.5 A Stabilized power supply input: 120/230 V AC, output: DC 24 V/2,5 A

input				
type of the power supply network	1-phase AC			
supply voltage at AC	Set by means of selector switch on the device			
supply voltage	120 V/230 V			
input voltage 1 at AC	93 132 V			
input voltage 2 at AC	187 264 V			
wide range input	No			
overvoltage overload capability	2.3 × Vin rated, 1.3 ms			
buffering time for rated value of the output current in the event of power failure minimum	20 ms			
operating condition of the mains buffering	at Vin = 93/187 V			
line frequency	50/60 Hz			
line frequency	47 63 Hz			
input current				
<ul> <li>at rated input voltage 120 V</li> </ul>	1.1 A			
<ul> <li>at rated input voltage 230 V</li> </ul>	0.65 A			
current limitation of inrush current at 25 °C maximum	27 A			
duration of inrush current limiting at 25 °C				
• typical	3 ms			
I2t value maximum	0.3 A²·s			
fuse protection type	T 2 A/250 V (not accessible)			
fuse protection type in the feeder	Recommended miniature circuit breaker: from 3 A characteristic C			
output				
voltage curve at output	Controlled, isolated DC voltage			
output voltage at DC rated value	24 V			
output voltage				
<ul> <li>at output 1 at DC rated value</li> </ul>	24 V			
output voltage adjustable	Yes; via potentiometer			
adjustable output voltage	22.8 26.4 V			
relative overall tolerance of the voltage	3 %			
relative control precision of the output voltage				
on slow fluctuation of input voltage	0.1 %			
on slow fluctuation of ohm loading	0.5 %			
residual ripple				
• maximum	150 mV			
• typical	10 mV			
voltage peak				
• maximum	240 mV			
• typical	50 mV			
display version for normal operation	Green LED for 24 V OK			
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behavior of the output voltage when switching on	Overshoot of Vout approx. 4 %	
	1.5 s	
response delay maximum	1.5 \$	
voltage increase time of the output voltage	4-0	
• typical	150 ms	
output current		
rated value	2.5 A	
rated range	0 2.5 A; +45 +60 °C: Derating 2%/K	
supplied active power typical	60 W	
bridging of equipment	Yes	
number of parallel-switched equipment resources for increasing	2	
the power		
efficiency		
efficiency in percent	85 %	
power loss [W]		
at rated output voltage for rated value of the output current typical	9 W	
closed-loop control		
relative control precision of the output voltage with rapid fluctuation of the input voltage by +/- 15% typical	0.3 %	
relative control precision of the output voltage at load step of resistive load 10/90/10 % typical	2 %	
setting time		
● load step 10 to 90% typical	0.5 ms	
<ul> <li>load step 90 to 10% typical</li> </ul>	0.7 ms	
protection and monitoring		
design of the overvoltage protection	< 33 V	
property of the output short-circuit proof	Yes	
design of short-circuit protection	Constant current characteristic	
• typical	2.6 A	
enduring short circuit current RMS value		
• typical	4 A	
- typical	173	
safety		
galvanic isolation between input and output	Yes Safety extra-low output voltage Hout acc. to EN 60950-1 and EN 50178	
galvanic isolation between input and output galvanic isolation	Safety extra-low output voltage Uout acc. to EN 60950-1 and EN 50178	
galvanic isolation between input and output galvanic isolation operating resource protection class		
galvanic isolation between input and output galvanic isolation operating resource protection class leakage current	Safety extra-low output voltage Uout acc. to EN 60950-1 and EN 50178  Class I	
galvanic isolation between input and output galvanic isolation operating resource protection class leakage current • maximum	Safety extra-low output voltage Uout acc. to EN 60950-1 and EN 50178  Class I  3.5 mA	
galvanic isolation between input and output galvanic isolation operating resource protection class leakage current  • maximum • typical	Safety extra-low output voltage Uout acc. to EN 60950-1 and EN 50178  Class I  3.5 mA  0.4 mA	
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galvanic isolation between input and output galvanic isolation operating resource protection class leakage current	Safety extra-low output voltage Uout acc. to EN 60950-1 and EN 50178  Class I  3.5 mA  0.4 mA  IP20  EN 55022 Class A  not applicable	
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No		
No		
No 		
No		
No 		
No		
eclaration		
Yes		
289.5 kg		
7.8 kg		
281.5 kg		
0.21 kg		
0 60 °C; with natural convection		
-40 +85 °C		
-40 +85 °C		
Climate class 3K3, 5 95% no condensation		
screw terminal		
L, N, PE: 1 screw terminal each for 0.5 2.5 mm² single-core/finely stranded		
+, -: 2 screw terminals each for 0.5 2.5 mm <sup>2</sup>		
32.5 × 125 × 120 mm		
32.5 mm × 225 mm		
50 mm		
50 mm		
0 mm		
0 mm		
Snaps onto DIN rail EN 60715 35x7.5/15		
Yes		
No		
No		
Yes		
0.3 kg		
o.o ng		
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https://mall.industry.siemens.com		
https://siemens.com/industrial-communication		
https://siemens.com/cax https://support.industry.siemens.com		
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Openitional standard limited in the Company of the		
Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)		
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Classifications

	Version	Classification
eClass	14	27-04-07-01
eClass	12	27-04-07-01
eClass	9.1	27-04-07-01
eClass	9	27-04-07-01
eClass	8	27-04-90-02
eClass	7.1	27-04-90-02
eClass	6	27-04-90-02
ETIM	9	EC002540
ETIM	8	EC002540
ETIM	7	EC002540
IDEA	4	4130
UNSPSC	15	39-12-10-04

Approvals Certificates

General Product Approval

Environment



Manufacturer Declaration Declaration of Conformity







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6/26/2024

