SIEMENS

Data sheet 6EP1332-1LB00



SITOP PSU100L/1AC/24VDC/2.5A

Siemens EcoTech

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		
 at rated input voltage 120 V 	1.1 A	
at rated input voltage 230 V	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 A ² ·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		
at output 1 at DC rated value	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		

* Injected * Optical	e mayimum	240 mV		
display version for normal operation Dehavior of the output voltage when avotating on Overshoot of Vour approx. 4 % Insported below maximum Voltage increase time of the output voltage + special - stated value - stated value - stated range				
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	● IEUEX	INU		

• ATEX	No		
ULhazloc approval	No		
 cCSAus, Class 1, Division 2 	No		
FM registration	No		
standards, specifications, approvals marine classification			
shipbuilding approval	No		
Marine classification association			
 American Bureau of Shipping Europe Ltd. (ABS) 	No		
 French marine classification society (BV) 	No		
 Det Norske Veritas (DNV) 	No		
 Lloyds Register of Shipping (LRS) 	No		
standards, specifications, approvals Environmental Product Dec	lards, specifications, approvals Environmental Product Declaration		
Environmental Product Declaration	Yes		
global warming potential [CO2 eq]			
• total	252 kg		
during manufacturing	7.7 kg		
 during operation 	244 kg		
after end of life	0.22 kg		
Siemens Eco Profile (SEP)	Siemens EcoTech		
ambient conditions			
ambient temperature			
during operation	0 60 °C; with natural convection		
during transport	-40 +85 °C		
during storage	-40 +85 °C		
environmental category according to IEC 60721	Climate class 3K3, 5 95% no condensation		
connection method			
type of electrical connection	screw terminal		
• at input	L, N, PE: 1 screw terminal each for 0.5 2.5 mm² single-core/finely stranded		
• at output	+, -: 2 screw terminals each for 0.5 2.5 mm²		
 for auxiliary contacts 			
mechanical data			
width × height × depth of the enclosure	32.5 × 125 × 120 mm		
installation width × mounting height	32.5 mm × 225 mm		
required spacing			
• top	50 mm		
• bottom	50 mm		
• left	0 mm		
• right	0 mm		
fastening method	Snaps onto DIN rail EN 60715 35x7.5/15		
DIN-rail mounting	Yes		
S7 rail mounting	No		
wall mounting	No		
housing can be lined up	Yes		
net weight	0.3 kg		
further information internet links			
internet link			
• to website: Industry Mall	https://mall.industry.siemens.com		
 to web page: selection aid TIA Selection Tool 	https://www.siemens.com/tstcloud		
to web page: power supplies	https://siemens.com/sitop		
• to website: CAx-Download-Manager	https://siemens.com/cax		
to website: Industry Online Support	https://support.industry.siemens.com		
additional information			
other information	Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)		
security information			
security information	Siemens provides products and solutions with industrial cybersecurity functions that support the secure operation of plants, systems, machines and networks. In order to protect plants, systems, machines and networks against cyber threats, it is necessary to implement – and continuously maintain – a holistic, state-of-the-art industrial cybersecurity concept. Siemens' products and solutions constitute one element of such a concept. Customers are responsible for preventing unauthorized access to their plants, systems, machines and		

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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

General Product Approval

Manufacturer Declara-<u>tion</u>

Declaration of Conformity







General Product Approval

Environment

Miscellaneous



last modified:

4/4/2025