SIEMENS

Data sheet

6EP1334-1LB00



SITOP PSU100L 24 V/10 A Stabilized power supply input: 120/230 V AC, output: DC 24 V/10 A

Input		
Input	1-phase AC	
Note	Set by means of selector switch on the device	
supply voltage		
 1 at AC rated value 	120 V	
 2 at AC rated value 	230 V	
input voltage		
• 1 at AC	93 132 V	
• 2 at AC	187 264 V	
Wide-range input	No	
Overvoltage resistance	2.3 × Vin rated, 1.3 ms	
Mains buffering	at Vin = 93/187 V	
Mains buffering at lout rated, min.	20 ms; at Vin = 93/187 V	
Rated line frequency 1	50 Hz	
Rated line frequency 2	60 Hz	
Rated line range	47 63 Hz	
input current		
 at rated input voltage 120 V 	4.1 A	
 at rated input voltage 230 V 	2 A	
Switch-on current limiting (+25 °C), max.	65 A	
duration of inrush current limiting at 25 °C		
• typical	3 ms	
l²t, max.	3.3 A ² ·s	
Built-in incoming fuse	T 6.3 A/250 V (not accessible)	
Protection in the mains power input (IEC 898)	Recommended miniature circuit breaker: from 10 A characteristic C	
Output		
Output	Controlled, isolated DC voltage	
Rated voltage Vout DC	24 V	
output voltage at output 1 at DC rated value	24 V	
Total tolerance, static ±	3 %	
Static mains compensation, approx.	0.1 %	
Static load balancing, approx.	0.5 %	
Residual ripple peak-peak, max.	150 mV	
Residual ripple peak-peak, typ.	50 mV	

SITOP PSU100L/1AC/24VDC/10A

Spikes peak-plank (pair. (pair. (pair. 20 Mrz) Spikes peak-plank, (pp. (pair. 40 Mrz) Adjustment range product function output voltage adjustable Yes Output voltage setting Status display Chord thenavior Status display Chord thenavior Status display, max. 1.5 s Voltage rise, fp. Rated current value lout rated Oursethood of Vout approx. 4 % Status display, max. 1.5 s Voltage rise, fp. Rated current value lout rated Oursethood of Vout approx. 8. Status display Oursethood of Vout approx. 1.5 s Voltage rise, fp. Rated current value lout rated Oursethood of Vout approx. 9. 10 A • Note • Note • Paralel switchable units for enhanced performance Efficiency E	Children nach mark (handwidth: 20 MUL)	240 m//
Adjustment range 22.8 23.8 2	Spikes peak-peak, max. (bandwidth: 20 MHz)	240 mV
product function output voltage adjustable Yes Output voltage setting Via potentiometer Status display Green LED for 24 V OK Onroft behavior Overshoot of Vout approx. 4 % Starby delay, max. 1.5 s Voltage rise, typ. 170 ms Rated current value lout rated 10.A Current range 0 10 A • Note 745 +60 °C: Derating 2%/K suppled active power typical 240 W Parallel switching for enhanced performance Yes Numbers of parallel switchable units for enhanced performance Yes Efficiency Efficiency Efficiency 0.3 % Dynamic load smoothing (tout 1090/10%), Uout ± typ. 0.5 ms Load step setting time 10 to 10%, typ. 0.7 ms Load step setting time 10 to 10%, typ. 0.7 ms Output overvoltage protection < 33 V		
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certificate of suitability EAC approval Yes Marine approval - EMC -		Yes
Marine approval - EMC		
EMC		
		EN 55022 Class A
Supply harmonics limitation -		
Noise immunity EN 61000-6-2		EN 61000-6-2
environmental conditions		
ambient temperature		0
• during operation 0 60 °C		
- Note with natural convection		
• during transport -40 +85 °C		

during storage	-40 +85 °C
Humidity class according to EN 60721	Climate class 3K3, 5 95% no condensation
Mechanics	
Connection technology	screw-type terminals
Connections	
Supply input	L, N, PE: 1 screw terminal each for 0.5 2.5 mm ² single-core/finely stranded
Output	+, -: 2 screw terminals each for 0.5 2.5 mm ²
Auxiliary	• ·
width of the enclosure	70 mm
height of the enclosure	125 mm
depth of the enclosure	120 mm
required spacing	
• top	50 mm
bottom	50 mm
• left	0 mm
• right	0 mm
Weight, approx.	0.75 kg
product feature of the enclosure housing can be lined up	Yes
Installation	Snaps onto DIN rail EN 60715 35x7.5/15
MTBF at 40 °C	2 333 396 h
other information	Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)

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