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	
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 	1.1 A
at rated input voltage 230 V	0.65 A
Switch-on current limiting (+25 °C), max.	27 A
duration of inrush current limiting at 25 °C	
• typical	3 ms
I²t, max.	0.3 A ² ·s
Built-in incoming fuse	T 2 A/250 V (not accessible)
Protection in the mains power input (IEC 898)	Recommended miniature circuit breaker: from 3 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.	10 mV
Spikes peak-peak, max. (bandwidth: 20 MHz)	240 mV
Spikes peak-peak, typ. (bandwidth: 20 MHz)	50 mV
Adjustment range	22.8 26.4 V

Yes
via potentiometer
Green LED for 24 V OK
Overshoot of Vout approx. 4 %
1.5 s
150 ms
2.5 A
0 2.5 A
+45 +60 °C: Derating 2%/K
60 W
Yes
2
85 %
9 W
0.3 %
2 %
0.5 ms
0.7 ms
< 33 V
2.6 A
Yes
Constant current characteristic
4 A
Yes
Yes Safety extra-low output voltage Uout acc. to EN 60950-1 and EN 50178
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Mechanics	
Connection technology	screw-type terminals
Connections	
Supply input	L, N, PE: 1 screw terminal each for 0.5 2.5 mm² single-core/finely stranded
Output	+, -: 2 screw terminals each for 0.5 2.5 mm²
Auxiliary	-
width of the enclosure	32.5 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.	0.3 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	3 153 082 h
other information	Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)

