SIEMENS

Data sheet 6EP1334-1LB00



SITOP PSU100L/1AC/24VDC/10A

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

Input	
type of the power supply network	1-phase AC
supply voltage at AC	
• initial value	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
design of input wide range input	No
overvoltage overload capability	2.3 × Vin rated, 1.3 ms
operating condition of the mains buffering	at Vin = 93/187 V
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	
• 1 rated value	50 Hz
• 2 rated value	60 Hz
line frequency	47 63 Hz
input current	
 at rated input voltage 120 V 	4.1 A
• at rated input voltage 230 V	2 A
current limitation of inrush current at 25 °C maximum	65 A
duration of inrush current limiting at 25 °C	
• typical	3 ms
I2t value maximum	3.3 A²·s
fuse protection type	T 6.3 A/250 V (not accessible)
• in the feeder	Recommended miniature circuit breaker: from 10 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
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
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Safety
Safety
galvanic isolation Safety extra-low output voltage Uout acc. to EN 60950-1 and EN 50178
operating resource protection class Class I
leakage current
maximum 3.5 mA
71
Approvals
certificate of suitability
• CE marking Yes
• UL approval Yes; cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259
CSA approval Yes; cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259
NEC Class 2 No
EAC approval Yes
type of certification
• BIS Yes; R-41183539
• CB-certificate Yes
certificate of suitability
• IECEx No

 ULhazloc approval 	No
 cCSAus, Class 1, Division 2 	No
 FM registration 	No
certificate of suitability shipbuilding approval	No
Marine classification association	
 American Bureau of Shipping Europe Ltd. (ABS) 	No
 French marine classification society (BV) 	No
 Lloyds Register of Shipping (LRS) 	No
EMC	
standard	
for emitted interference	EN 55022 Class A
 for mains harmonics limitation 	-
• for interference immunity	EN 61000-6-2
environmental 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
Mechanics	
type of electrical connection	screw-type terminals
• 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 	-
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
net weight	0.75 kg
product feature of the enclosure housing can be lined up	Yes
fastening method	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)

