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	
• 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 	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)
• 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
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	

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shipbuilding approval	•
Marine classification association	N-
American Bureau of Shipping Europe Ltd. (ABS) Famely marine classification against (BX)	No No
French marine classification society (BV) PNV CI	112
DNV GL Lloyde Register of Shipping (LRS)	No No
Lloyds Register of Shipping (LRS)Nippon Kaiji Kyokai (NK)	No No
• Nippon Kaiji Kyokai (NK) EMC	NO
standard	EN EE022 Class A
for emitted interference for mains harmonics limitation	EN 55022 Class A
	not applicable EN 61000-6-2
for interference immunity	EN 61000-0-2
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 mm ²
 for auxiliary contacts 	
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
net weight	0.3 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	3 153 082 h
other information	Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)

