## **SIEMENS**

Data sheet 6EP1332-5BA10



## SITOP PSU100C/1ACDC/24VDC/4A

SITOP PSU100C 24 V/4 A stabilized power supply input: 120-230 V AC (110-300 V DC) output: 24 V DC/4 A

1-phase AC or DC
100 V
230 V
85 V
264 V
110 300 V
Yes
2.3 × Vin rated, 1.3 ms
20 ms
at Vin = 230 V
50/60 Hz
47 63 Hz
2.25 A
1.15 A
34 A
3 A <sup>2</sup> ·s
internal
Recommended miniature circuit breaker: from 16 A characteristic B or from 10 A characteristic C
Controlled, isolated DC voltage
24 V
24 V
Yes; via potentiometer
22.2 26.4 V
3 %
0.1 %
0.2 %
200 mV
80 mV
300 mV
80 mV

	0 1507 1 1 1 07	
display version for normal operation	Green LED for output voltage OK	
behavior of the output voltage when switching on	Overshoot of Vout approx. 1 %	
response delay maximum	1.5 s	
voltage increase time of the output voltage	400	
• typical	400 ms	
output current	4.0	
• rated range	4 A 0 4 A; +55 +70 °C: Derating 3%/K; at +70 °C lout rated 2.2 A	
rated range	· · ·	
supplied active power typical	96 W	
bridging of equipment	Yes; Start-up with single nominal load only	
number of parallel-switched equipment resources for increasing the power	2	
efficiency in percent	88 %	
power loss [W]		
<ul> <li>at rated output voltage for rated value of the output current typical</li> </ul>	13 W	
during no-load operation maximum	0.75 W	
closed-loop control		
relative control precision of the output voltage with rapid	0.1 %	
fluctuation of the input voltage by +/- 15% typical		
relative control precision of the output voltage at load step of resistive load 10/90/10 % typical	3 %	
setting time		
<ul> <li>load step 10 to 90% typical</li> </ul>	4 ms	
<ul><li>load step 90 to 10% typical</li></ul>	4 ms	
protection and monitoring		
design of the overvoltage protection	Yes, according to EN 60950-1	
property of the output short-circuit proof	Yes	
design of short-circuit protection	Electronic shutdown, automatic restart	
• typical	4.8 A	
safety		
galvanic isolation between input and output	Yes	
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	
• typical	0.4 mA	
protection class IP	IP20	
standard	EN FEGGO OL D	
• for emitted interference	EN 55022 Class B	
• for mains harmonics limitation	EN 61000-3-2	
• for interference immunity	EN 61000-6-2	
standards, specifications, approvals		
certificate of suitability	Yes	
<ul><li>CE marking</li><li>UL approval</li></ul>	Yes; cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259; cCSAus	
CSA approval	(CSA C22.2 No. 60950-1, UL 60950-1)	
	Yes; cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259; cCSAus (CSA C22.2 No. 60950-1, UL 60950-1)	
EAC approval     NEC Class 2	Yes No	
NEC Class 2  type of certification	INU	
type of certification		
**	Yes	
CB-certificate	Yes 2 726 727 h	
◆ CB-certificate  MTBF at 40 °C	Yes 2 726 727 h	
CB-certificate  MTBF at 40 °C  standards, specifications, approvals hazardous environments		
CB-certificate  MTBF at 40 °C  standards, specifications, approvals hazardous environments  certificate of suitability	2 726 727 h	
CB-certificate  MTBF at 40 °C  standards, specifications, approvals hazardous environments  certificate of suitability  • IECEx	2 726 727 h No	
CB-certificate  MTBF at 40 °C  standards, specifications, approvals hazardous environments  certificate of suitability  • IECEx  • ATEX	2 726 727 h  No No	
CB-certificate  MTBF at 40 °C  standards, specifications, approvals hazardous environments  certificate of suitability      IECEx      ATEX      ULhazloc approval	2 726 727 h  No No No	
CB-certificate  MTBF at 40 °C  standards, specifications, approvals hazardous environments  certificate of suitability      IECEx      ATEX      ULhazloc approval      cCSAus, Class 1, Division 2	2 726 727 h  No No No No No	
CB-certificate  MTBF at 40 °C  standards, specifications, approvals hazardous environments  certificate of suitability      IECEx      ATEX      ULhazloc approval	2 726 727 h  No No No	

V				
Yes				
Von				
Yes				
No				
Yes				
Lloyds Register of Shipping (LRS)     No  standards, specifications, approvals Environmental Product Declaration				
Yes				
444.5 kg				
6.3 kg				
437.9 kg				
0.2 kg				
-20 +70 °C; with natural convection				
-40 +85 °C				
40 +85 °C				
Climate class 3K3, 5 95% no condensation				
screw terminal				
L, N, PE: Removable screw terminal, each for 1 x 0.5 2.5 mm <sup>2</sup>				
+: 1 screw terminal for 0.5 2.5 mm²; -: 2 screw terminals for 0.5 2.5 mm²				
•				
52.5 × 80 × 100 mm				
52.5 × 180 mm				
50 mm				
50 mm				
0 mm				
0 mm				
Snaps onto DIN rail EN 60715 35x7.5/15				
Yes				
No				
No				
Yes				
0.32 kg				
accessories				
Removable spring-type terminal 6EP1971-5BA00				
https://siemens.com/tst				
http://www.siemens.com/simatic-net				
http://www.siemens.com/cax				
Specifications at rated input voltage and ambient temperature +25 °C (unless				
otherwise specified)				
Ciamana provides products and solutions with industrial actions with in-				
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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

## Approvals Certificates

## **General Product Approval**

CB





Manufacturer Declara-<u>tion</u>



**Declaration of Con**formity

**General Product Approval** 

For use in hazardous locations











CCC-Ex

Marine / Shipping

**Environment** 







last modified:

4/8/2024

