SIEMENS

Data sheet 6EP1332-2BA20



SITOP PSU100S/1AC/24VDC/2.5A

SITOP PSU100S 24 V/2.5 A stabilized power supply input: 120/230 V AC output: 24 V DC/2.5 A

1-phase AC	
Automatic range selection	
120 V/230 V	
85 132 V	
170 264 V	
No 2017	
2.3 × Vin rated, 1.3 ms	
20 ms	
at Vin = 93/187 V	
50/60 Hz	
47 63 Hz	
1.25 A	
0.74 A	
33 A	
0.4 A ² ·s	
T 3,15 A/250 V (not accessible)	
Recommended miniature circuit breaker: from 3 A characteristic C	
Controlled, isolated DC voltage	
24 V	
24 V	
Yes; via potentiometer	
22.8 28 V	
0.1 %	
1 %	
150 mV	
30 mV	
240 mV	
70 mV	
Green LED for 24 V OK	
Relay contact (NO contact, rating 60 V DC/ 0.3 A) for "24 V OK"	
Relay contact (NO contact, rating 60 V DC/ 0.3 A) for "24 V OK" Overshoot of Vout < 3 %	

voltage increase time of the output voltage	45
• typical	15 ms
output current	0.5.4
• rated value	2.5 A
rated range	0 3 A; 3 A up to +45°C; +60 +70 °C: Derating 3%/K
supplied active power typical	60 W
short-term overload current	
 on short-circuiting during the start-up typical 	9 A
at short-circuit during operation typical	8 A
duration of overloading capability for excess current	
 on short-circuiting during the start-up 	800 ms
at short-circuit during operation	100 ms
bridging of equipment	Yes
number of parallel-switched equipment resources for increasing the power	2
efficiency	
efficiency in percent	85 %
power loss [W]	
 at rated output voltage for rated value of the output current typical 	10 W
closed-loop control	
relative control precision of the output voltage with rapid fluctuation of the input voltage by +/- 15% typical	0.3 %
relative control precision of the output voltage at load step of resistive load 10/90/10 % typical	5 %
setting time	
load step 10 to 90% typical	1 ms
load step 90 to 10% typical	1 ms
protection and monitoring	
design of the overvoltage protection	protection against overvoltage in case of internal fault Vout < 33 V
property of the output short-circuit proof	Yes
design of short-circuit protection	Constant current characteristic
response value current limitation	3 3.4 A
overcurrent overload capability	
• in normal operation	overload capability 150 % lout rated up to 5 s/min
enduring short circuit current RMS value	
• typical	3.4 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	
for emitted interference	EN 55022 Class B
for mains harmonics limitation	not applicable
for interference immunity	EN 61000-6-2
standards, specifications, approvals	
certificate of suitability	
• CE marking	Yes
• UL approval	Yes; cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259; cCSAus (CSA C22.2 No. 60950-1, UL 60950-1)
CSA approval	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	Yes
• NEC Class 2	No
type of certification	
CB-certificate	Yes
MTBF at 40 °C	1 804 044 h
standards, specifications, approvals hazardous environments	

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ATEX AUTHOR	certificate of suitability	
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Clobal Warning Potential (CO2 eq) • Iotal 321.3 kg • Unting manufacturing 8.3 kg • Unting parelation 312.7 kg • after end of life 0.23 kg ambient conditions ambient conditions ambient temperature • Unting parelation -25 +70 °C. with natural convection • Unting parelation -25 +70 °C. with natural convection • Unting storage -40 +85 °C • Unting storage -40 +85 °C environmental category according to IEC 60721 Climate class 3K3, 5 95% no condensation connection method Upp of electrical connection • In Input -1. Server terminal each for 0.5 2.5 mm² single-core/finely stranded • Input -1. Server terminals each for 0.5 2.5 mm² single-core/finely stranded • Input -1. Server terminals each for 0.5 2.5 mm² single-core/finely stranded • Input -1. Server terminals for 0.5 2.5 mm² single-core/finely stranded • Input -1. Server terminals for 0.5 2.5 mm² single-core/finely stranded • Input -1. Server terminals for 0.5 2.5 mm² single-core/finely stranded • Input -1. Server terminals for 0.5 2.5 mm² single-core/finely stranded • Input -1. Server terminals for 0.5 2.5 mm² single-core/finely stranded • Input -1. Server terminals for 0.5 2.5 mm² single-core/finely stranded • Input -1. Server terminals for 0.5 2.5 mm² single-core/finely stranded • Input -1. Server terminals for 0.5 2.5 mm² single-core/finely stranded • Input -1. Server terminals for 0.5 2.5 mm² single-core/finely stranded • Input -1. Server terminals for 0.5 2.5 mm² single-core/finely stranded • Input -1. Server terminals for 0.5 2.5 mm² single-core/finely stranded • Input -1. Server terminals for 0.5 2.5 mm² single-core/finely stranded • Input -1. Server terminals for 0.5 2.5 mm² single-core/finely stranded • Input -1. Server terminals for 0.5 2.5 mm² single-core/finely stranded • Input -1. Server	standards, specifications, approvals Environmental Product D	eclaration
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ambient conditions ambient temperature • during operation • during transport • during storage • during stor	during manufacturing	8.3 kg
ambient conditions ambient temperature	during operation	312.7 kg
ambient temperature	after end of life	0.23 kg
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tonnection method type of electrical connection	during storage	-40 +85 °C
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security information	Other information	
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security information

Siemens provides products and solutions with industrial cybersecurity functions that support the secure operation of plants, systems, machines and networks. In order to protect plants, systems, machines and networks against cyber threats, it is necessary to implement – and continuously maintain – a holistic, state-of-the-art industrial cybersecurity concept. Siemens' products and solutions constitute one element of such a concept. Customers are responsible for preventing unauthorized access to their plants, systems, machines and networks. Such systems, machines and components should only be connected to an enterprise network or the internet if and to the extent such a connection is necessary and only when appropriate security measures (e.g. firewalls and/or network segmentation) are in place. For additional information on industrial cybersecurity measures that may be implemented, please visit www.siemens.com/cybersecurity-industry. Siemens' products and solutions undergo continuous development to make them more secure. Siemens strongly recommends that product updates are applied as soon as they are available and that the latest product versions are used. Use of product versions that are no longer supported, and failure to apply the latest updates may increase customer's exposure to cyber threats. To stay informed about product updates, subscribe to the Siemens Industrial Cybersecurity RSS Feed under https://www.siemens.com/cert. (V4.7)

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





Manufacturer Declaration



Declaration of Conformity



General Product Approval

Marine / Shipping

Environment



<u>Miscellaneous</u>







last modified:

5/22/2024