## **SIEMENS**

Data sheet 6EP1334-2BA20



SITOP PSU100S/1AC/24VDC/10A

SITOP PSU100S 24 V/10 A Stabilized power supply input: 120/230 V AC, output: DC 24 V/10 A

Input	
Input	1-phase AC
Note	Automatic range selection
supply voltage	
<ul> <li>1 at AC rated value</li> </ul>	120 V
2 at AC rated value	230 V
input voltage	
• 1 at AC	85 132 V
• 2 at AC	170 264 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	
<ul> <li>at rated input voltage 120 V</li> </ul>	4.49 A
at rated input voltage 230 V	1.91 A
Switch-on current limiting (+25 °C), max.	60 A
I²t, max.	5.6 A <sup>2</sup> ·s
Built-in incoming fuse	T 6.3 A/250 V (not accessible)
Protection in the mains power input (IEC 898)	Recommended miniature circuit breaker: from 10 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.	1 %
Residual ripple peak-peak, max.	150 mV
Residual ripple peak-peak, typ.	20 mV
Spikes peak-peak, max. (bandwidth: 20 MHz)	240 mV
Spikes peak-peak, typ. (bandwidth: 20 MHz)	160 mV

22.8 28 V
Yes
via potentiometer
Green LED for 24 V OK
Relay contact (NO contact, rating 60 V DC/ 0.3 A) for "24 V OK"
Overshoot of Vout < 3 %
0.3 s
20 ms
10 A
0 12 A
12 A up to +45°C; +60 +70 °C: Derating 3%/K
288 W
32 A
32 A
1 000 ms
1 000 ms
Yes
2
90 %
25 W
2011
0.2.0/
1 ms
1 ms
protection against overvoltage in case of internal fault Vout < 33 V
12 14.6 A
Yes
Constant current characteristic
14.6 A
overload capability 150 % lout rated up to 5 s/min
-
Yes
Safety extra-low output voltage Uout acc. to EN 60950-1 and EN 50178
Class I
3.5 mA
0.8 mA
IP20
Ves
Yes CILL us_listed (III 508 CSA C22 2 No. 107.1) File F197259 cCSAus
Yes cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259, cCSAus (CSA C22.2 No. 60950-1, UL 60950-1)
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EMC	
Emitted interference	EN 55022 Class B
Supply harmonics limitation	EN 61000-3-2
Noise immunity	EN 61000-6-2
environmental conditions	
ambient temperature	
<ul> <li>during operation</li> </ul>	-25 +70 °C
— Note	with natural convection
<ul> <li>during transport</li> </ul>	-40 +85 °C
during storage	-40 +85 °C
Humidity class according to EN 60721	Climate class 3K3, 5 95% no condensation
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
<ul> <li>Output</li> </ul>	+, -: 2 screw terminals each for 0.5 2.5 mm²
<ul><li>Auxiliary</li></ul>	Alarm signals: 2 screw terminals for 0.5 2.5 mm <sup>2</sup>
signaling contact	2 screw terminals for 0.5 2.5 mm <sup>2</sup>
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
Weight, approx.	0.8 kg
product feature of the enclosure housing can be lined up	Yes
Installation	Snaps onto DIN rail EN 60715 35x7.5/15
electrical accessories	Buffer module
mechanical accessories	Device identification label 20 mm × 7 mm, pale turquoise 3RT1900- 1SB20
MTBF at 40 °C	1 614 510 h
other information	Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)

