## SIEMENS

## Data sheet

## 6EP1334-7CA00



SITOP PSU100P IP67 Stabilized power supply input: 120/230 V AC, output: 24 V DC/8 A

Input Input 1-phase AC Automatic range selection Note supply voltage 120 V • 1 at AC rated value • 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 Implemented internally with varistor Mains buffering at Vin = 120/230 V Mains buffering at lout rated, min. 40 ms; at Vin = 120/230 V 50 Hz Rated line frequency 1 Rated line frequency 2 60 Hz Rated line range 47 ... 63 Hz input current • at rated input voltage 120 V 3.5 A • at rated input voltage 230 V 1.52 A Switch-on current limiting (+25 °C), max. 15 A l<sup>2</sup>t, max. 0.6 A<sup>2</sup>·s Built-in incoming fuse T 6.3 A Protection in the mains power input (IEC 898) Recommended miniature circuit breaker: from 6 A characteristic C/B Output Output Controlled, isolated DC voltage Rated voltage Vout DC 24 V • output voltage at output 1 at DC rated value 24 V 3 % Total tolerance, static ± Static mains compensation, approx. 0.1 % Static load balancing, approx. 02% Residual ripple peak-peak, max. 50 mV Spikes peak-peak, max. (bandwidth: 20 MHz) 100 mV product function output voltage adjustable No Green LED: 24 V OK; red LED flashing: "overload/short-circuit" Status display Signaling Relay contact (NO contact, rating 30 V AC/ 0.5 A; 30 V DC/1 A) for 24 V

	OK
On/off behavior	Overshoot of Vout < 3 %
	1.5 s
Startup delay, max.	
Voltage rise, typ.	23 ms
voltage increase time of the output voltage maximum	100 ms
Rated current value lout rated	_ 8A
Current range	08A
supplied active power typical	206 W
short-term overload current	
<ul> <li>on short-circuiting during the start-up typical</li> </ul>	30 A
at short-circuit during operation typical	30 A
duration of overloading capability for excess current	
<ul> <li>on short-circuiting during the start-up</li> </ul>	50 ms
<ul> <li>at short-circuit during operation</li> </ul>	50 ms
Parallel switching for enhanced performance	Yes; Symmetric wiring required
Numbers of parallel switchable units for enhanced	2
performance	
Efficiency	
Efficiency at Vout rated, lout rated, approx.	93.6 %
Power loss at Vout rated, lout rated, approx.	13.1 W
Closed-loop control	
Dynamic mains compensation (Vin rated ±15 %), max.	0.2 %
Dynamic load smoothing (lout: 50/100/50 %), Uout ± typ.	1 %
setting time maximum	2 ms
Protection and monitoring	
Output overvoltage protection	< 29 V
Current limitation, typ.	9 A
property of the output short-circuit proof	Yes
Short-circuit protection	Electronic shutdown, automatic restart
enduring short circuit current RMS value	
• maximum	9 A
• typical	8 A
Overload/short-circuit indicator	Red LED flashing for "overload/short-circuit"
Safety	
Primary/secondary isolation	Yes
galvanic isolation	Safety extra-low output voltage Uout acc. to EN 60950-1 and EN 50178
Protection class	Class I
leakage current	
• maximum	3.5 mA
• typical	1 mA
Degree of protection (EN 60529)	IP67, enclosure type 5 indoor
Approvals	
	Vaa
CE mark	
UL/cUL (CSA) approval	cULus-Listed (UL 508, CSA C22.2 No. 107.1)
Explosion protection	- -
certificate of suitability NEC Class 2	No
FM approval	
CB approval	_ No
certificate of suitability EAC approval	Yes
Marine approval	•
EMC	
Emitted interference	EN 55022 Class B
Supply harmonics limitation	EN 61000-3-2
Noise immunity	EN 61000-6-2
environmental conditions	
ambient temperature	
during operation	
	-25 +60 °C
— Note	-25 +60 °C with natural convection

<ul> <li>during transport</li> </ul>	-40 +85 °C
during storage	-40 +85 °C
Humidity class according to EN 60721	3K6 without direct sunlight
Mechanics	
Connection technology	screw-type terminals
Connections	
Supply input	L1, N, PE: Plug connector 7/8" (counterpart see "Operating Instructions (compact)")
Output	+, -: Plug connector 7/8" (counterpart see "Operating Instructions (compact)")
Auxiliary	Alarm signals: M12 plug-in connector 4-pin
product function	
<ul> <li>removable terminal at input</li> </ul>	Yes
<ul> <li>removable terminal at output</li> </ul>	Yes
width of the enclosure	120 mm
height of the enclosure	181 mm
depth of the enclosure	60.5 mm
required spacing	
• top	50 mm
bottom	0 mm
• left	0 mm
• right	0 mm
Weight, approx.	1.3 kg
product feature of the enclosure housing can be lined up	Yes
Installation	Wall mounting
MTBF at 40 °C	800 000 h
other information	Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)

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