## **SIEMENS**

Data sheet 6EP1334-7CA00



SITOP PSU100P/1AC/24VDC/8A/IP67

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

Input	
Input	1-phase AC
<ul><li>Note</li></ul>	Automatic range selection
supply voltage	
1 at AC rated value	120 V
<ul> <li>2 at AC rated value</li> </ul>	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
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>	3.5 A
<ul> <li>at rated input voltage 230 V</li> </ul>	1.52 A
Switch-on current limiting (+25 °C), max.	15 A
I²t, 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
Total tolerance, static ±	3 %
Static mains compensation, approx.	0.1 %
Static load balancing, approx.	0.2 %
Residual ripple peak-peak, max.	50 mV
Spikes peak-peak, max. (bandwidth: 20 MHz)	100 mV
product function output voltage adjustable	No
Status display	Green LED: 24 V OK; red LED flashing: "overload/short-circuit"
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 %
Startup delay, max.	1.5 s
Voltage rise, typ.	23 ms
voltage increase time of the output voltage maximum	100 ms
Rated current value lout rated	8 A
Current range	0 8 A
supplied active power typical	206 W
short-term overload current	200 VV
on short-circuiting during the start-up typical	30 A
at short-circuit during operation typical	30 A
duration of overloading capability for excess current	00 A
on short-circuiting during the start-up	50 ms
at short-circuit during operation	50 ms
Parallel switching for enhanced performance	Yes; Symmetric wiring required
Numbers of parallel switchable units for enhanced performance	2
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
	2 1115
Protection and monitoring	201/
Output overvoltage protection	< 29 V
Current limitation, typ.	9 A
property of the output short-circuit proof	Yes  Floatrania shutdown, automatia restart
Short-circuit protection	Electronic shutdown, automatic restart
enduring short circuit current RMS value	9 A
<ul><li>maximum</li><li>typical</li></ul>	8 A
Overload/short-circuit indicator	Red LED flashing for "overload/short-circuit"
Safety	Ted LED hashing for overload/short-circuit
	Yes
Primary/secondary isolation	
galvanic isolation  Protection class	Safety extra-low output voltage Uout acc. to EN 60950-1 and EN 50178  Class I
leakage current	Olass I
maximum	3.5 mA
• typical	1 mA
Degree of protection (EN 60529)	IP67, enclosure type 5 indoor
Approvals	ir or, enclosure type 3 indoor
CE mark	Yes
	cULus-Listed (UL 508, CSA C22.2 No. 107.1)
UL/cUL (CSA) approval  Explosion protection	
certificate of suitability NEC Class 2	- No
FM approval	- NO
CB approval	- No
Marine approval	-
EMC	
Emitted interference	EN 55022 Class B
Supply harmonics limitation	EN 61000-3-2
Noise immunity	EN 61000-3-2 EN 61000-6-2
environmental conditions	LIT 01000-0-2
ambient temperature	-25 +60 °C
<ul><li>during operation</li><li>Note</li></ul>	
	with natural convection -40 +85 °C
during transport     during storage	-40 +85 °C
<ul> <li>during storage</li> </ul>	- <del>1</del> 0 100 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	
removable terminal at output	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)	

