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 l²t, max. 0.6 A²·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	
 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	
 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	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

 during transport 	-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	
 removable terminal at input 	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)

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