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	
type of the power supply network	1-phase AC
supply voltage at AC	
• initial value	Automatic range selection
supply voltage	
 1 at AC rated value 	120 V
• 2 at AC rated value	230 V
input voltage	
• 1 at AC	85 132 V
• 2 at AC	170 264 V
design of input wide range input	No
overvoltage overload capability	Implemented internally with varistor
operating condition of the mains buffering	at Vin = 120/230 V
buffering time for rated value of the output current in the event of power failure minimum	40 ms
operating condition of the mains buffering	at Vin = 120/230 V
line frequency	
• 1 rated value	50 Hz
• 2 rated value	60 Hz
line frequency	47 63 Hz
input current	
 at rated input voltage 120 V 	3.5 A
 at rated input voltage 230 V 	1.52 A
current limitation of inrush current at 25 °C maximum	15 A
I2t value maximum	0.6 A ² ·s
fuse protection type	Т 6.3 А
• in the feeder	Recommended miniature circuit breaker: from 6 A characteristic C/B
Output	
voltage curve at output	Controlled, isolated DC voltage
output voltage at DC rated value	24 V
output voltage	
 at output 1 at DC rated value 	24 V
relative overall tolerance of the voltage	3 %
relative control precision of the output voltage	
 on slow fluctuation of input voltage 	0.1 %
 on slow fluctuation of ohm loading 	0.2 %
residual ripple	
• maximum	50 mV
voltage peak	
• maximum	100 mV

product function output voltage adjustable	No
display version for normal operation	Green LED: 24 V OK; red LED flashing: "overload/short-circuit"
type of signal at output	Relay contact (NO contact, rating 30 V AC/ 0.5 A; 30 V DC/1 A) for 24 V OK
behavior of the output voltage when switching on	Overshoot of Vout < 3 %
response delay maximum	1.5 s
voltage increase time of the output voltage	
• typical	23 ms
• maximum	100 ms
output current	
rated value	8 A
 rated range 	0 8 A
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
product feature	
 bridging of equipment 	Yes; Symmetric wiring required
number of parallel-switched equipment resources for	2
increasing the power	
Efficiency	
efficiency in percent	93.6 %
power loss [W]	
 at rated output voltage for rated value of the output current typical 	13.1 W
Closed-loop control	
relative control precision of the output voltage with rapid fluctuation of the input voltage by +/- 15% typical	0.2 %
relative control precision of the output voltage load step of resistive load 50/100/50 % typical	1 %
setting time	
• maximum	2 ms
Protection and monitoring	
design of the overvoltage protection	< 29 V
response value current limitation typical	9 A
property of the output short-circuit proof	Yes
property of the output enour proof	105
design of short-circuit protection	Electronic shutdown, automatic restart
design of short-circuit protection	
design of short-circuit protection enduring short circuit current RMS value	Electronic shutdown, automatic restart
design of short-circuit protection enduring short circuit current RMS value • maximum	Electronic shutdown, automatic restart 9 A
design of short-circuit protection enduring short circuit current RMS value • maximum • typical display version for overload and short circuit	Electronic shutdown, automatic restart 9 A 8 A
design of short-circuit protection enduring short circuit current RMS value • maximum • typical display version for overload and short circuit	Electronic shutdown, automatic restart 9 A 8 A
design of short-circuit protection enduring short circuit current RMS value • maximum • typical display version for overload and short circuit Safety	Electronic shutdown, automatic restart 9 A 8 A Red LED flashing for "overload/short-circuit"
design of short-circuit protection enduring short circuit current RMS value • maximum • typical display version for overload and short circuit Safety galvanic isolation between input and output	Electronic shutdown, automatic restart 9 A 8 A Red LED flashing for "overload/short-circuit" Yes
design of short-circuit protection enduring short circuit current RMS value • maximum • typical display version for overload and short circuit Safety galvanic isolation between input and output galvanic isolation	Electronic shutdown, automatic restart 9 A 8 A Red LED flashing for "overload/short-circuit" Yes Safety extra-low output voltage Uout acc. to EN 60950-1 and EN 50178
design of short-circuit protection enduring short circuit current RMS value • maximum • typical display version for overload and short circuit Safety galvanic isolation between input and output galvanic isolation operating resource protection class	Electronic shutdown, automatic restart 9 A 8 A Red LED flashing for "overload/short-circuit" Yes Safety extra-low output voltage Uout acc. to EN 60950-1 and EN 50178
design of short-circuit protection enduring short circuit current RMS value • maximum • typical display version for overload and short circuit Safety galvanic isolation between input and output galvanic isolation operating resource protection class leakage current	Electronic shutdown, automatic restart 9 A 8 A Red LED flashing for "overload/short-circuit" Yes Safety extra-low output voltage Uout acc. to EN 60950-1 and EN 50178 Class I
design of short-circuit protection enduring short circuit current RMS value • maximum • typical display version for overload and short circuit Safety galvanic isolation between input and output galvanic isolation operating resource protection class leakage current • maximum	Electronic shutdown, automatic restart 9 A 8 A Red LED flashing for "overload/short-circuit" Yes Safety extra-low output voltage Uout acc. to EN 60950-1 and EN 50178 Class I 3.5 mA
design of short-circuit protection enduring short circuit current RMS value • maximum • typical display version for overload and short circuit Safety galvanic isolation between input and output galvanic isolation operating resource protection class leakage current • maximum • typical	Electronic shutdown, automatic restart 9 A 8 A Red LED flashing for "overload/short-circuit" Yes Safety extra-low output voltage Uout acc. to EN 60950-1 and EN 50178 Class I 3.5 mA 1 mA
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design of short-circuit protection enduring short circuit current RMS value • maximum • typical display version for overload and short circuit Safety galvanic isolation between input and output galvanic isolation operating resource protection class leakage current • maximum • typical protection class IP Approvals certificate of suitability • CE marking	Electronic shutdown, automatic restart 9 A 8 A Red LED flashing for "overload/short-circuit" Yes Safety extra-low output voltage Uout acc. to EN 60950-1 and EN 50178 Class I 3.5 mA 1 mA IP67, enclosure type 5 indoor Yes
design of short-circuit protection enduring short circuit current RMS value • maximum • typical display version for overload and short circuit Safety galvanic isolation between input and output galvanic isolation between input and output galvanic isolation operating resource protection class leakage current • maximum • typical protection class IP Approvals certificate of suitability • CE marking • UL approval	Electronic shutdown, automatic restart 9 A 8 A Red LED flashing for "overload/short-circuit" Yes Safety extra-low output voltage Uout acc. to EN 60950-1 and EN 50178 Class I 3.5 mA 1 mA IP67, enclosure type 5 indoor Yes Yes; cULus-Listed (UL 508, CSA C22.2 No. 107.1)
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NEC Class 2	No
ULhazloc approval	No
FM registration	No
type of certification CB-certificate	No
certificate of suitability	NU
-	Yes
EAC approval	No
certificate of suitability shipbuilding approval shipbuilding approval	
Marine classification association	
	No
 American Bureau of Shipping Europe Ltd. (ABS) French marine classification society (BV) 	No No
Prench manne classification society (BV) DNV GL	
	No
Lloyds Register of Shipping (LRS)	No
Nippon Kaiji Kyokai (NK)	No
EMC	
standard	EN 55022 Class D
for emitted interference	EN 55022 Class B
 for mains harmonics limitation 	EN 61000-3-2
for interference immunity	EN 61000-6-2
environmental conditions	
ambient temperature	
 during operation 	-25 +60 °C; with natural convection
 during transport 	-40 +85 °C
 during storage 	-40 +85 °C
environmental category according to IEC 60721	3K6 without direct sunlight
Mechanics	
type of electrical connection	screw-type terminals
● at input	L1, N, PE: Plug connector 7/8" (counterpart see "Operating Instructions (compact)")
● at output	+, -: Plug connector 7/8" (counterpart see "Operating Instructions (compact)")
 for auxiliary contacts 	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	
required spacingtop	50 mm
	50 mm 0 mm
• top	
topbottom	0 mm
topbottomleft	0 mm 0 mm
 top bottom left right 	0 mm 0 mm 0 mm
 top bottom left right net weight 	0 mm 0 mm 0 mm 1.3 kg
top bottom left right net weight product feature of the enclosure housing can be lined up	0 mm 0 mm 0 mm 1.3 kg Yes
 top bottom left right net weight product feature of the enclosure housing can be lined up fastening method 	0 mm 0 mm 0 mm 1.3 kg Yes Wall mounting

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