SIEMENS

Data sheet

6EP3334-7SC00-3AX0



SITOP PSU6200/1AC/DC24V/10A/EX

SITOP PSU6200 Ex 24 V/10 A stabilized power supply input: 120/230 V AC output: 24 V / 10 A DC with diagnostic interface with painted printed circuit boards

Figure similar

Input	
type of the power supply network	1-phase AC or DC
supply voltage at AC	
minimum rated value	120 V
maximum rated value	240 V
• initial value	85 V
• full-scale value	264 V
supply voltage	
• at DC	110 240 V
input voltage	
• at DC	85 275 V
design of input wide range input	Yes
overvoltage overload capability	300 V AC for 30 s
operating condition of the mains buffering	at Vin = 240 V
buffering time for rated value of the output current in the event of power failure minimum	45 ms
operating condition of the mains buffering	at Vin = 240 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 	2.2 A
 at rated input voltage 240 V 	1.2 A
current limitation of inrush current at 25 °C maximum	6 A
fuse protection type	5 A
• in the feeder	Circuit breaker from 4 A characteristic C/6 A characteristic B to 10 A characteristic C or circuit breaker 3RV2011-1EA10 (setting 4 A) or 3RV2711-1ED10 (UL 489)
Output	
voltage curve at output	Controlled, isolated DC voltage
number of outputs	1
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 	0.1 %
residual ripple	

e maximum	30 mV
• maximum	30 mV
• typical	20 mV
voltage peak	20. 14
• maximum	30 mV
typical	20 mV
adjustable output voltage	24 28 V
product function output voltage adjustable	Yes
type of output voltage setting	via potentiometer; max. 240 W (288 W up to 45°C)
display version for normal operation	Green LED for 24 V OK
type of signal at output	Electronic contact (NO contact, contact rating 30 V DC/0.1 A) for DC O.K. or diagnostic interface
behavior of the output voltage when switching on	Overshoot of Vout < 2 %
response delay maximum	0.5 s
voltage increase time of the output voltage	
typical	200 ms
output current	
rated value	10 A
rated range	0 10 A; 12 A up to +45°C; +60 +70 °C: Derating 3%/K
supplied active power typical	240 W
short-term overload current	
 on short-circuiting during the start-up typical 	12 A
at short-circuit during operation typical	12 A
product feature	
parallel switching of outputs	can be set with DIP switch
bridging of equipment	Yes; switchable characteristic
number of parallel-switched equipment resources for increasing the power	2
Efficiency	
efficiency in percent	92.8 %
power loss [W]	
at rated output voltage for rated value of the output	18 W
current typical	
 during no-load operation maximum 	2.2 W
Closed-loop control	
relative control precision of the output voltage at load step of	2 %
resistive load 10/90/10 % typical	
setting time	
load step 10 to 90% typical	2 ms
load step 90 to 10% typical	2 ms
• maximum	3 ms
Protection and monitoring	
design of the overvoltage protection	< 32 V
• typical	12 A
property of the output short-circuit proof	Yes
design of short-circuit protection	Shutdown and periodic restart attempts
overcurrent overload capability in normal operation	overload capability 150 % lout rated up to 5 s/min
overeuntent overload capability in normal operation	overload capability 130 % lout rated up to 3 s/min
Safety	overload capability 130 % fout fated up to 3 s/ffilm
Safety	
Safety galvanic isolation between input and output	Yes
Safety galvanic isolation between input and output galvanic isolation	Yes Safety extra low output voltage Vout according to EN 60950-1
Safety galvanic isolation between input and output galvanic isolation operating resource protection class	Yes
galvanic isolation between input and output galvanic isolation operating resource protection class leakage current	Yes Safety extra low output voltage Vout according to EN 60950-1 Class I
galvanic isolation between input and output galvanic isolation operating resource protection class leakage current • maximum	Yes Safety extra low output voltage Vout according to EN 60950-1 Class I 3.5 mA
Safety galvanic isolation between input and output galvanic isolation operating resource protection class leakage current • maximum protection class IP	Yes Safety extra low output voltage Vout according to EN 60950-1 Class I
galvanic isolation between input and output galvanic isolation operating resource protection class leakage current • maximum protection class IP Approvals	Yes Safety extra low output voltage Vout according to EN 60950-1 Class I 3.5 mA
galvanic isolation between input and output galvanic isolation operating resource protection class leakage current • maximum protection class IP Approvals certificate of suitability	Yes Safety extra low output voltage Vout according to EN 60950-1 Class I 3.5 mA IP20
galvanic isolation between input and output galvanic isolation operating resource protection class leakage current	Yes Safety extra low output voltage Vout according to EN 60950-1 Class I 3.5 mA IP20 Yes
galvanic isolation between input and output galvanic isolation operating resource protection class leakage current	Yes Safety extra low output voltage Vout according to EN 60950-1 Class I 3.5 mA IP20 Yes Yes; cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259; cCSAus
galvanic isolation between input and output galvanic isolation operating resource protection class leakage current	Yes Safety extra low output voltage Vout according to EN 60950-1 Class I 3.5 mA IP20 Yes 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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certificate of suitability	
• relating to ATEX	IECEx Ex ec nC IIC T3 Gc; ATEX (EX) II 3G Ex ec nC IIC T3 Gc
• IECEx	Yes; IECEx Ex ec nC IIC T3 Gc
NEC Class 2	No
ULhazloc approval	No
FM registration	No
certificate of suitability shipbuilding approval	Yes
shipbuilding approval	ABS; in process: DNV
Marine classification association	
 American Bureau of Shipping Europe Ltd. (ABS) 	Yes
 French marine classification society (BV) 	No
DNV GL	No
 Lloyds Register of Shipping (LRS) 	No
 Nippon Kaiji Kyokai (NK) 	No
EMC	
standard	
 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	-30 +70 °C; with natural convection a monotonically increasing start-up from -25 °C, safe start-up from -40 °C
during transport	-40 +85 °C
during storage	-40 +85 °C
environmental category according to IEC 60721	Climate class 3K3, 5 95% no condensation
Mechanics	
type of electrical connection	push-in terminals
• at input	L1/+, L2/N/-, PE: push-in for 0.5 4 mm² single-core/finely stranded
• at output	+1, +2, -1, -2, -3: push-in for 0.5 2.5 mm²
for auxiliary contacts	13, 14 (alarm signal): 1 push-in terminal each for 0.2 1.5 mm ²
width of the enclosure	45 mm
height of the enclosure	135 mm
depth of the enclosure	125 mm
required spacing	
● top	45 mm
• bottom	45 mm
● left	0 mm
• right	0 mm
net weight	0.9 kg
product feature of the enclosure housing can be lined up	Yes
fastening method	Snaps onto DIN rail EN 60715 35x7.5/15
electrical accessories	Buffer module, redundancy module
mechanical accessories	Identification labels SIMATIC ET 200SP 6ES7193-6LF30-0AW0
other information	Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)

