6EP3333-7SB00-0AX0

Data sheet



SITOP PSU6200/1AC/24VDC/5A

SITOP PSU6200 24 V/5 A Stabilized power supply Input: 120 - 230 V AC, (120 - 240 V DC) Output: 24 V DC/5 A

Input	
type of the power supply network	1-phase AC or DC
supply voltage at AC	
 minimum rated value 	120 V
 maximum rated value 	230 V
• initial value	85 V
• full-scale value	264 V
supply voltage	
• at DC	120 240 V
input voltage	
• at DC	99 275 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 = 230 V
buffering time for rated value of the output current in the event of power failure minimum	80 ms
operating condition of the mains buffering	at Vin = 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 	1.9 A
at rated input voltage 230 V	1.1 A
current limitation of inrush current at 25 °C maximum	29 A
fuse protection type	3.15 A
• in the feeder	Circuit breaker 4 A characteristic C or 6 A characteristic B/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	0.2 %
residual ripple	
• maximum	30 mV

• typical	20 mV
voltage peak	20 1114
	100 mV
• maximum	100 mV
• typical	60 mV
adjustable output voltage	24 28 V
product function output voltage adjustable	Yes
type of output voltage setting	via potentiometer; max. 120 W (144 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	100 ms
output current	
rated value	5 A
rated range	0 5 A; 6 A up to +45°C; +60 +70 °C: Derating 3%/K
supplied active power typical	120 W
short-term overload current	
 on short-circuiting during the start-up typical 	6 A
at short-circuit during operation typical	6 A
product feature	
bridging of equipment	No
Efficiency	
efficiency in percent	90.2 %
power loss [W]	
 at rated output voltage for rated value of the output current typical 	13 W
during no-load operation maximum	2 W
Closed-loop control	
relative control precision of the output voltage at load step of resistive load 10/90/10 % typical	2 %
setting time	
● load step 10 to 90% typical	1 ms
load step 90 to 10% typical	1 ms
• maximum	2 ms
Protection and monitoring	
design of the overvoltage protection	< 32 V
response value current limitation typical	6 A
property of the output short-circuit proof design of short-circuit protection	Yes Shutdown and periodic restart attempts
overcurrent overload capability in normal operation	overload capability 150 % lout rated up to 5 s/min
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Safety	V
galvanic isolation between input and output	Yes
galvanic isolation	Safety extra low output voltage Vout according to EN 60950-1
operating resource protection class	Class I
leakage current	
• maximum	3.5 mA
protection class IP	IP20
Approvals	
certificate of suitability	
CE marking	Yes
 UL approval 	Yes; cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259;
CSA approval	cCSAus (CSA C22.2 No. 60950-1, UL 60950-1) Yes; cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259; cCSAus (CSA C22.2 No. 60950-1, UL 60950-1)
• cCSAue Class 1 Division 2	
• cCSAus, Class 1, Division 2	No No
ATEX cortificate of quitability	No
certificate of suitability	No
• IECEX	No No
NEC Class 2	No

	N.
ULhazloc approval	No
• FM registration	No
type of certification CB-certificate	Yes
certificate of suitability	
EAC approval	Yes
• C-Tick	No
Regulatory Compliance Mark (RCM)	No
certificate of suitability shipbuilding approval	Yes
shipbuilding approval	in process: DNV GL, ABS
Marine classification association	
 American Bureau of Shipping Europe Ltd. (ABS) 	No
 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:PushIn for 0.5 4 mm² single-core/finely stranded
at output	+1, +2, -1, -2, -3: PushIn for 0.5 2.5 mm ²
for auxiliary contacts	13, 14 (alarm signal): 1 push-in terminal each for 0.2 1.5 mm ²
width of the enclosure	35 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	0.7 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)

