6EP3336-3SB00-0AX0

Data sheet



SITOP PSU4200/1AC/24VDC/20A

SITOP PSU4200 1AC 24 V/20 A stabilized power supply PSU4200 input: 120/240 V AC output: 24 V DC/20 A

ype of the power supply network supply voltage at AC minimum rated value supply voltage at AC maximum rated value supply voltage rated value of the output current in the event of power failure minimum operating condition of the mains buffering line frequency solved by a to V line frequency solved by a to V line frequency solved by a to V solved by a to V solved by a trated input voltage 200 V solved at rated input voltage 200 V solved at rated input voltage 200 V solved by a trated input voltage and trated value solved by a trated input voltage and trated by a trated by a trated input voltage and trated by a	input		
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relative overall tolerance of the voltage relative control precision of the output voltage on slow fluctuation of input voltage on slow fluctuation of ohm loading 1 % residual ripple maximum typical typical voltage peak	output voltage adjustable	Yes; via potentiometer	
relative control precision of the output voltage on slow fluctuation of input voltage on slow fluctuation of ohm loading 1 % residual ripple maximum typical stypical voltage peak	adjustable output voltage	24 28 V	
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residual ripple • maximum • typical voltage peak		1 %	
maximum typical voltage peak 150 mV 35 mV			
voltage peak	• •	150 mV	
voltage peak	• typical	35 mV	
	•		
		240 mV	

• typical	67 mV	
display version for normal operation	Green LED for 24 V OK	
type of signal at output	Signal contact (signal load capacity: 10 mA) for DC OK	
behavior of the output voltage when switching on	No overshoot of Vout (soft start)	
response delay maximum	1.5 s	
voltage increase time of the output voltage		
• typical	33 ms	
maximum	500 ms	
output current		
rated value	20 A	
rated range	0 20 A; +60 +70 °C: Derating 3%/K	
supplied active power typical	480 W	
bridging of equipment	Yes	
number of parallel-switched equipment resources for increasing the power	2	
efficiency in percent	93 %	
power loss [W]		
 at rated output voltage for rated value of the output current typical 	37 W	
 during no-load operation maximum 	3 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	2 %	
relative control precision of the output voltage at load step of resistive load 10/90/10 % typical	3 %	
setting time		
load step 10 to 90% typical	1 ms	
load step 90 to 10% typical	1 ms	
protection and monitoring		
design of the overvoltage protection	< 32 V	
property of the output short-circuit proof	Yes	
design of short-circuit protection	Shutdown and periodic restart attempts	
• typical	23.1 A	
enduring short circuit current RMS value		
• typical	6 A	
safety		
galvanic isolation between input and output	Yes	
galvanic isolation	ES1 output voltage Vout according to EN 62368-1 (Safety extra low output voltage Vout according to EN 60950-1)	
operating resource protection class	Class I	
leakage current		
• maximum	0.7 mA	
• typical	0.5 mA	
protection class IP	IP20	
standard		
 for emitted interference 	EN 55032 Class A	
 for mains harmonics limitation 	EN 61000-3-2	
• for interference immunity	EN 61000-6-2	
standards, specifications, approvals		
certificate of suitability		
CE marking	Yes	
UL approval	Yes; cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259; cCSAus (UL 62368-1, CSA C22.2 No. 62368-1-19)	
CSA approval	Yes; cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259; cCSAus (UL 62368-1, CSA C22.2 No. 62368-1-19)	
 UKCA marking 	Yes	
 EAC approval 	Yes	
 Regulatory Compliance Mark (RCM) 	Yes	
NEC Class 2	No	
type of certification		
• BIS	No	

CB-certificate	Yes
MTBF at 40 °C	1 065 000 h
standards, specifications, approvals hazardous environments	
certificate of suitability	
• IECEx	No
• ATEX	No
ULhazloc approval	No
• cCSAus, Class 1, Division 2	No
FM registration	No
standards, specifications, approvals marine classification	
shipbuilding approval	No
Marine classification association	
 American Bureau of Shipping Europe Ltd. (ABS) 	No
 French marine classification society (BV) 	No
 Det Norske Veritas (DNV) 	No
Lloyds Register of Shipping (LRS)	No
standards, specifications, approvals Environmental Product Dec	claration
Environmental Product Declaration	Yes
Global Warming Potential [CO2 eq]	
● total	1 078.9 kg
during manufacturing	47.4 kg
during operation	1 029.9 kg
after end of life	0.72 kg
ambient conditions	
ambient temperature	
during operation	-25 +70 °C; with natural convection
during transport	-40 +85 °C
during storage	-40 +85 °C
environmental category according to IEC 60721	Climate class 3K3, 5 95% no condensation
connection method	
type of electrical connection	push-in terminals
• at input	L, N, PE: push-in for 0.5 4 mm ²
• at output	+, -: push-in for 0.5 6 mm²
for signaling contact	13, 14: push-in for 0.2 1.5 mm ²
mechanical data	
width × height × depth of the enclosure	70 × 135 × 125 mm
installation width × mounting height	70 × 225 mm
required spacing	
• top	45 mm
• bottom	45 mm
• left	0 mm
• right	0 mm
fastening method	Snaps onto DIN rail EN 60715 35x7.5/15
standard rail mounting	Yes
S7 rail mounting	No
• wall mounting	No
housing can be lined up	Yes
net weight	0.93 kg
further information internet links internet link	
	https://giomons.com/tot
 to web page: selection aid TIA Selection Tool to website: Industrial communication 	https://siemens.com/tst http://www.siemens.com/simatic-net
to website: CAx-Download-Manager additional information	http://www.siemens.com/cax
	Charifications at rated input voltage and ambient temporature 125 °C (unless
other information	Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)
security information	
security information	Siemens provides products and solutions with industrial cybersecurity functions
•	that support the secure operation of plants, systems, machines and networks. In order to protect plants, systems, machines and networks against cyber threats, it is necessary to implement – and continuously maintain – a holistic, state-of-the-art industrial cybersecurity concept. Siemens' products and
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Classifications

	Version	Classification
eClass	12	27-04-07-01
eClass	9.1	27-04-07-01
eClass	9	27-04-07-01
eClass	8	27-04-90-02
eClass	7.1	27-04-90-02
eClass	6	27-04-90-02
ETIM	9	EC002540
ETIM	8	EC002540
ETIM	7	EC002540
IDEA	4	4130
UNSPSC	15	39-12-10-04

Approvals Certificates

General Product Approval

Environment



Manufacturer Declaration







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