SIEMENS

Data sheet

6EP3333-7LB00-0AX0



SITOP PSU6200/1AC/24VDC/3.7A/NECclass2

SITOP PSU6200 3.7 A NEC class II stabilized power supply input: 120 - 240 V AC (120 - 240 V DC) output: 24 V DC/3.7 A

type of the power supply network1-phase AC or DCsupply voltage at AC120 V• minimum rated value120 V• maximum rated value240 V• initial value284 V• initial value284 Vsupply voltage at DC120 240 VInput voltage at DC9 275 V• woltage at DC9 275 V• overvoltage overload capability300 V AC for 30 s• overvoltage overload capability4763 Hz• overroad to voltage 120 V15.A• is trade input voltage 120 V0.5.A• over slow type15.A<	input		
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• on slow fluctuation of ohm loading 0.3 % residual ripple		0.2 %	
residual ripple • maximum • typical 20 mV	on slow fluctuation of ohm loading	0.3 %	
• maximum 30 mV • typical 20 mV voltage peak			
voltage peak		30 mV	
	● typical	20 mV	
• maximum 100 mV	voltage peak		
	• maximum	100 mV	

• typical	60 mV	
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.	
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	100 113	
rated value	3.7 A	
rated value	0 3.7 A; +60 +70 °C: Derating 3%/K	
	·	
supplied active power typical	89 W	
short-term overload current		
 on short-circuiting during the start-up typical 	3.7 A	
at short-circuit during operation typical	3.7 A	
bridging of equipment	No	
efficiency		
efficiency in percent	89.3 %	
power loss [W]		
 at rated output voltage for rated value of the output current typical 	11 W	
 during no-load operation maximum 	2.2 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 	2 ms	
 load step 90 to 10% typical 	2 ms	
• maximum	3 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	3.7 A	
safety		
galvanic isolation between input and output	Yes	
galvanic isolation	ES1 output voltage Vout according to EN 62368-1	
operating resource protection class	Class I	
leakage current		
• maximum	3.5 mA	
protection class IP	IP20	
EMC		
standard		
for emitted interference	EN 55022 Class B	
 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 (CSA C22.2 No. 60950-1, UL 60950-1)	
CSA approval	(CSA C22.2 No. 60950-1, 0L 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)	
UKCA marking	Yes	
EAC approval	Yes	
Regulatory Compliance Mark (RCM)	Yes	
NEC Class 2	Yes; according to UL1310, File E151273	
• SEMI F47	Yes	
type of certification		
• BIS	Yes; R-41188271	
CB-certificate	Yes	
standards, specifications, approvals hazardous environments		
standards, specifications, approvais nazardous 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	Yes		
Marine classification association			
 American Bureau of Shipping Europe Ltd. (ABS) 	Yes		
 French marine classification society (BV) 	No		
 Det Norske Veritas (DNV) 	Yes		
 Lloyds Register of Shipping (LRS) 	No		
standards, specifications, approvals Environmental Product De	claration		
Environmental Product Declaration	Yes		
global warming potential [CO2 eq]			
total	357.7 kg		
 during manufacturing 	13.1 kg		
 during operation 	344.2 kg		
after end of life	0.33 kg		
ambient conditions			
ambient temperature			
• during operation	-30 +70; with natural convection a monotonically increasing start-up from -25 $^\circ\text{C},$ safe start-up from -40 $^\circ\text{C}$		
during transport	-40 +85		
during storage	-40 +85		
environmental category according to IEC 60721	Climate class 3K3, 5 95% no condensation		
connection method			
type of electrical connection	push-in terminals		
• at input	L1/+, L2/N/-, PE: push-in for 0.5 4 mm ² single-core/finely stranded		
● at output	+1, +2, -1, -2, -3: push-in 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		
mechanical data			
width × height × depth of the enclosure	35 × 135 × 125 mm		
installation width × mounting height	35 mm × 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		
DIN-rail mounting	Yes		
S7 rail mounting	No		
wall mounting	No		
housing can be lined up	Yes		
net weight	0.7 kg		
accessories			
electrical accessories	Buffer module, redundancy module		
mechanical accessories	Identification labels SIMATIC ET 200SP 6ES7193-6LF30-0AW0		
further information internet links			
internet link			
to website: Industry Mall	https://mall.industry.siemens.com		
 to web page: selection aid TIA Selection Tool 	https://www.siemens.com/tstcloud		
 to web page: selection and the detection root to web page: power supplies 	https://www.senens.com/sitop		
 to web page. power supplies to website: CAx-Download-Manager 	https://siemens.com/cax		
-	https://support.industry.siemens.com		
to website: Industry Online Support identification link	Yes; acc. to IEC 61406-1:2022		
additional information	100, acc. to IEO 0 1400-1.2022		
other information	Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)		
security information			

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Classifications

	Version	Classification
eClass	14	27-04-07-01
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

FAL

Approvals Certificates

General Product Approval





Confirmation



other

Confirmation

Environment

Environmental Confirmations

last modified:

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