



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

Technical Product Detail Page

<https://i.siemens.com/1P6EP3333-7LB00-0AX0>

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	120 ... 240 V
input voltage at DC	99 ... 275 V
wide range input	Yes
overvoltage overload capability	300 V AC for 30 s
buffering time for rated value of the output current in the event of power failure minimum	90 ms
operating condition of the mains buffering	at $V_{in} = 240 V$
line frequency	50/60 Hz
line frequency	47 ... 63 Hz
input current	
• at rated input voltage 120 V	1.5 A
• at rated input voltage 240 V	0.8 A
current limitation of inrush current at 25 °C maximum	29 A
fuse protection type	3.15 A
fuse protection type 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
output voltage adjustable	Yes; via potentiometer
adjustable output voltage	24 ... 28 V; max. 89 W
relative overall tolerance of the voltage	3 %
relative control precision of the output voltage	
• on slow fluctuation of input voltage	0.2 %
• on slow fluctuation of ohm loading	0.3 %
residual ripple	
• maximum	30 mV
• typical	20 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	
• rated value	3.7 A
• rated range	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
• 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

certificate of suitability	
• IECEx	No
• ATEX	No
• ULhazloc approval	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 Declaration

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 °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

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: power supplies	https://siemens.com/sitop
• to website: CAx-Download-Manager	https://siemens.com/cax
• to website: Industry Online Support	https://support.industry.siemens.com
identification link	Yes; acc. to IEC 61406-1:2022

additional information

other information	Specifications at rated input voltage and ambient temperature +25 °C (unless
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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	10	EC002540
ETIM	9	EC002540
ETIM	8	EC002540
ETIM	7	EC002540
IDEA	4	4130
UNSPSC	15	39-12-10-04

Approvals Certificates

General Product Approval



[Manufacturer Declaration](#)

[Declaration of Conformity](#)

[China RoHS](#)

General Product Approval

Maritime application



[Miscellaneous](#)

[BIS CRS](#)



Environment



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