SIEMENS

Data sheet 6EP3343-0SA00-0AY0



SITOP PSU3600 FLEXI/1AC/3-52VDC/10A/120W

SITOP PSU3600 flexi Stabilized power supply Input: 120-230 V AC Output: 3-52 V DC/10 A, 120 W

General information	
Technical Product Detail Page	https://i.siemens.com/1P6EP3343-0SA00-0AY0
product brand name	SITOP
product type designation	PSU3600
product designation	Power supply SITOP PSU3600 flexi
type of current supply	3-52 V/10 A, 120 W
input	
type of the power supply network	1-phase AC or DC
phase number	1
voltage curve at input	AC/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 AC	Derating at < 110 V AC/DC: output power max. 100 W
supply voltage at DC	110 ... 220 V
input voltage at DC	88 ... 250 V
line frequency	50/60 Hz
line frequency	47 ... 63 Hz
wide range input	Yes
buffering time for rated value of the output current in the event of power failure minimum	80 ms
operating condition of the mains buffering	With Pa = 120 W and Ue = 230 V AC
input current	
● at rated input voltage 110 V	1.3 A
● at rated input voltage 120 V	2.6 A
● at rated input voltage 220 V	0.7 A
● at rated input voltage 230 V	1.3 A
current limitation of inrush current at 25 °C maximum	35 A
I2t value maximum	1 A²·s
fuse protection type	T 3.15 A (not accessible)
fuse protection type in the feeder	Recommended miniature circuit breaker: 6-10 A characteristic C
output	
voltage curve at output	Controlled, isolated DC voltage
product function output voltage controlled	Yes
product function output voltage stabilized	Yes
output voltage at DC rated value	24 V
formula for output voltage	3-52 V DC

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output voltage	
● at output 1 at DC rated value	24 V
output voltage	
● at output 1 at DC	3 ... 52 V
output voltage adjustable	Yes; via potentiometer (adjustment range 3 ... 52 V) or analog control voltage signal 0 to 2.5 V (adjustment range 0 ... 52 V)
adjustable output voltage	0 ... 52 V
relative overall tolerance of the voltage	1 %
relative control precision of the output voltage	
● on slow fluctuation of input voltage	0.1 %
● on slow fluctuation of ohm loading	1 %
voltage compensation per sense line	0.5 V
residual ripple	
● maximum	50 mV
voltage peak	
● maximum	100 mV
display version for normal operation	Two-color LED: green for 24 V o.k., red for overload
type of signal at output	DC OK via relay contact, current monitor signal (0 ... 2.5 V correspond to 0 ... 10 A)
behavior of the output voltage when switching on	No overshoot of Vout (soft start)
response delay maximum	0.5 s
voltage increase time of the output voltage	
● typical	20 ms
output current	
● rated value	10 A
● rated range	0 ... 10 A; Output power max. 120 W
supplied active power typical	120 W
constant overload current	
● on short-circuiting during the start-up typical	12 A
● at short-circuit during operation typical	12 A
bridging of equipment	Yes
number of parallel-switched equipment resources for increasing the power	2
efficiency	
efficiency in percent	88 %
power loss [W]	
● at rated output voltage for rated value of the output current typical	16 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	0.3 %
relative control precision of the output voltage load step of resistive load 50/100/50 % typical	5 %
setting time	
● maximum	0.2 ms
protection and monitoring	
design of the overvoltage protection	< 60 V
property of the output short-circuit proof	Yes
design of short-circuit protection	Electronic current limiting (2 ... 10 A) in the range 3 ... 12 V or power limiting (120 W) in the range 12 ... 52 V
response value current limitation	2 ... 10 A
design of the current limitation	Can be set with potentiometer or analog control voltage signal 0.5 ... 2.5 V
enduring short circuit current RMS value	
● maximum	12 A
safety	
galvanic isolation between input and output	Yes
galvanic isolation	Output voltage: SELV, ES1 (IEC 62368-1), DVC As (IEC 61204-7)
operating resource protection class	Class I
leakage current	

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● 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
● EAC approval	Yes
● Regulatory Compliance Mark (RCM)	Yes
● NEC Class 2	No
type of certification	
● CB-certificate	Yes
MTBF at 40 °C	1 200 000 h
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	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
ambient conditions	
ambient temperature	
● during operation	-25 ... +70 °C; Derating > 60°C: 2%/°K
● 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	screw terminal
● at input	L1, N, PE: 1 screw terminal each for 0.5 ... 2.5 mm² single-core/finely stranded
● at output	+, -: 2 screw terminals each for 0.5 ... 2.5 mm² single-core/finely stranded
● for auxiliary contacts	Alarm signals, control inputs: screw-type terminals for 0.14 ... 1.5 mm² single-core/finely stranded
mechanical data	
width × height × depth of the enclosure	42 × 125 × 135 mm
installation width × mounting height	42 mm × 225 mm
required spacing	
● top	50 mm
● bottom	50 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	0.55 kg
further information internet links	
internet link	
● to website: Industry Mall	https://mall.industry.siemens.com

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● 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

additional information

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 solutions constitute one element of such a concept. Customers are responsible for preventing unauthorized access to their plants, systems, machines and networks. Such systems, machines and components should only be connected to an enterprise network or the internet if and to the extent such a connection is necessary and only when appropriate security measures (e.g. firewalls and/or network segmentation) are in place. For additional information on industrial cybersecurity measures that may be implemented, please visit www.siemens.com/cybersecurity-industry. Siemens' products and solutions undergo continuous development to make them more secure. Siemens strongly recommends that product updates are applied as soon as they are available and that the latest product versions are used. Use of product versions that are no longer supported, and failure to apply the latest updates may increase customer's exposure to cyber threats. To stay informed about product updates, subscribe to the Siemens Industrial Cybersecurity RSS Feed under https://www.siemens.com/cert. (V4.7)

Classifications

	Version	Classification
eClass	16	27-04-07-01
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 | UKCA | CE EG-Konf. | China RoHS | UL

General Product Approval

RCM

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