SIEMENS

Data sheet 6EP3323-0SA00-0BY0

SITOP PSU3600 DUAL/1ACDC/2x15VDC/3.5A

SITOP PSU3600 dual stabilized power supply Input: 120-230 V AC Output: 15 V/3,5 A 2x DC two potential-free outputs

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; Derating at < 110 V AC/DC: output power max. 100 W
● full-scale value	264 V
input voltage	
● at DC	88 ... 250 V
design of input wide range input	Yes
operating condition of the mains buffering	at Vin = 120 V, 40 ms at Vin = 187 V
buffering time for rated value of the output current in the event of power failure minimum	10 ms
operating condition of the mains buffering	at Vin = 120 V, 40 ms at Vin = 187 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	2.2 A
● at rated input voltage 230 V	1.3 A
● at rated input voltage 110 V	1.3 A
● at rated input voltage 220 V	0.7 A
current limitation of inrush current at 25 °C maximum	35 A
I2t value maximum	1 $A^2 \cdot s$
fuse protection type	T 3.15 A (not accessible)
● in the feeder	Recommended miniature circuit breaker: 6-10 A characteristic C
Output	
voltage curve at output	Controlled, isolated DC voltage
number of outputs	2
output voltage at DC rated value	15 V
formula for output voltage	2 x 15 V DC
output voltage	
● at output 1 at DC rated value	15 V
● at output 2 at DC rated value	15 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 %
residual ripple	

● maximum	50 mV
voltage peak	
● maximum	150 mV
adjustable output voltage	12 ... 28 V
product function output voltage adjustable	Yes
type of output voltage setting	via potentiometer per output
display version for normal operation	Green LED grün for Vout >10 V (summation display)
type of signal at output	-
behavior of the output voltage when switching on	Overshoot of Vout < 1 %
response delay maximum	0.5 s
output current	
● rated value	3.5 A
● at output 1 rated value	3.5 A
● at output 2 rated value	3.5 A
● rated range	0 ... 3.5 A; Output power max. 60 W per output
supplied active power typical	105 W
product feature	
● 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	18 W
Protection and monitoring	
design of the overvoltage protection	≤ 35 V
response value current limitation	5 A
design of the current limitation	depending on the voltage setting
property of the output short-circuit proof	Yes
design of short-circuit protection	Electronic shutdown, automatic restart
display version for overload and short circuit	-
Safety	
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; outputs NEC Class 2 acc. to UL 1310
● CSA approval	Yes; -
● cCSAus, Class 1, Division 2	No
● ATEX	No
certificate of suitability	
● IECEx	No
● NEC Class 2	Yes
● ULhazloc approval	No
● FM registration	No
type of certification CB-certificate	No
certificate of suitability	
● EAC approval	Yes
● C-Tick	Yes
● Regulatory Compliance Mark (RCM)	Yes
certificate of suitability shipbuilding approval	No
shipbuilding approval	-
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	-25 ... +70 °C; Derating > 60°C: 2%/°K
● during transport	-40 ... +70 °C
● during storage	-40 ... +70 °C
environmental category according to IEC 60721	Climate class 3K3, 5 … 95% no condensation
Mechanics	
type of electrical connection	screw-type terminals
● at input	L1, N, PE: 1 screw terminal each for 0.5 ... 2.5 mm² single-core/finely stranded
● at output	+: 1 screw terminal per output for 0.5 ... 2.5 mm²; -: 2 screw terminals per output for 0.5 ... 2.5 mm²
● for auxiliary contacts	-
width of the enclosure	42 mm
height of the enclosure	125 mm
depth of the enclosure	125 mm
required spacing	
● top	50 mm
● bottom	50 mm
● left	0 mm
● right	0 mm
net weight	0.55 kg
product feature of the enclosure housing can be lined up	Yes
fastening method	Snaps onto DIN rail EN 60715 35x7.5/15
other information	Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)