SIEMENS

Data sheet

Input

6EP1333-1LD00

SITOP PSU100D/1AC/24VDC/6.2A

********** spare part ******** PSU100D 24 V/6.2 A stabilized power supply input: 100-240 V AC output: 24 V DC/6.2 A



type of the power supply network1-phase ACsupply voltage at AC100 V• minimum rated value100 V• minimum rated value240 V• initial value264 V• full-scale value264 Vdesign of input wide range inputYesoperating condition of the mains bufferingat Vin = 115/230 Vbuffering time for rated value of the output current in the event of power failure minimum operating condition of the mains bufferingat Vin = 115/230 Vbuffering time for rated value of the output current in the event of power failure minimum operating condition of the mains bufferingat Vin = 115/230 V1 rated value50 Hz60 Hz• 1 rated value60 Hz	inpat	
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type of output voltage settingvia potentiometerdisplay version for normal operationGreen LED for 24 V OK	adjustable output voltage	22 28 V
type of output voltage settingvia potentiometerdisplay version for normal operationGreen LED for 24 V OK	product function output voltage adjustable	Yes
		via potentiometer
	display version for normal operation	Green LED for 24 V OK
	behavior of the output voltage when switching on	Overshoot of Vout < 2 %

response delay maximum	1 s
voltage increase time of the output voltage	
• maximum	30 ms
output current	
 rated value 	6.2 A
 rated range 	0 6.2 A; +50 +70 °C: Derating 2.5%/K
supplied active power typical	150 W
product feature	
 bridging of equipment 	Yes
number of parallel-switched equipment resources for	2
increasing the power	
Efficiency	
efficiency in percent	86 %
power loss [W]	
 at rated output voltage for rated value of the output 	24 W
current typical	
Closed-loop control	
relative control precision of the output voltage with rapid	0.5 %
fluctuation of the input voltage by +/- 15% typical	
relative control precision of the output voltage load step of	5 %
resistive load 50/100/50 % typical	
Protection and monitoring	
design of the overvoltage protection	< 35 V
• typical	7.4 A
property of the output short-circuit proof	Yes
design of short-circuit protection	Electronic shutdown, automatic restart
enduring short circuit current RMS value	
• typical	16 A
display version for overload and short circuit	-
Safety	
	N
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
typical	1 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;
	cURus (UL 60950-1, CSA C22.2 No. 60950-1), File E151273
 CSA approval 	Yes; cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259;
	cURus (UL 60950-1, CSA C22.2 No. 60950-1), File E151273
• cCSAus, Class 1, Division 2	No
• ATEX	No
certificate of suitability	
• IECEx	No
NEC Class 2	No
 ULhazloc approval 	No
 FM registration 	No
type of certification CB-certificate	Yes
certificate of suitability	
EAC approval	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 	
 for interference immunity 	EN 61000-6-2
environmental conditions	
ambient temperature	
 during operation 	-10 +70 °C; with natural convection
 during transport 	-40 +85 °C
 during storage 	-40 +85 °C
Mechanics	
type of electrical connection	screw-type terminals
• at input	L, N, PE: 1 screw terminal each for 0.3 1.3 mm ² single-core/finely stranded
 at output 	+, -: 2 screw terminals each for 0.3 1.3 mm ²
 for auxiliary contacts 	-
width of the enclosure	97 mm
height of the enclosure	178 mm
depth of the enclosure	38 mm
required spacing	
• top	20 mm
bottom	0 mm
• left	20 mm
• right	20 mm
net weight	0.55 kg
fastening method	Wall mounting
other information	Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)

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