MANUFACTURER DOCUMENT PACKAGE

Manufacturer's Manual

Reference package for procurement and maintenance review

SIEMENS

6EP1322-5BA10

SITOP PSU100C 12 V DC 6.5 A POWER SUPPLY

Used with the applicable SITOP PSU100C configuration.

REFERENCE PACKAGE

OFFICIAL DOCUMENT

Selected official manufacturer pages follow this cover.

Source: Siemens technical documentation for 6EP1322-5BA10

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Data sheet 6EP1322-5BA10



SITOP PSU100C/1ACDC/12VDC/6.5A

SITOP PSU100C 12 V/6.5 A stabilized power supply input: 120-230 V AC (110-300 V DC) output: 12 V DC/6.5 A

input	
type of the power supply network	1-phase AC or DC
supply voltage at AC	
● minimum rated value	100 V
● maximum rated value	230 V
● initial value	85 V
● full-scale value	264 V
input voltage at DC	110 ... 300 V
wide range input	Yes
overvoltage overload capability	2.3 × Vin rated, 1.3 ms
buffering time for rated value of the output current in the event of power failure minimum	20 ms
operating condition of the mains buffering	at Vin = 230 V
line frequency	50/60 Hz
line frequency	47 ... 63 Hz
input current	
● at rated input voltage 100 V	1.6 A
● at rated input voltage 230 V	0.8 A
current limitation of inrush current at 25 °C maximum	31 A
I2t value maximum	3 A²·s
fuse protection type	internal
fuse protection type in the feeder	Recommended miniature circuit breaker: from 16 A characteristic B or from 10 A characteristic C
output	
voltage curve at output	Controlled, isolated DC voltage
output voltage at DC rated value	12 V
output voltage	
● at output 1 at DC rated value	12 V
output voltage adjustable	Yes; via potentiometer
adjustable output voltage	10.5 ... 12.9 V
relative overall tolerance of the voltage	3 %
relative control precision of the output voltage	
● on slow fluctuation of input voltage	0.5 %
● on slow fluctuation of ohm loading	1 %
residual ripple	
● maximum	200 mV
● typical	80 mV
voltage peak	
● maximum	300 mV
● typical	80 mV

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