SIEMENS

Data sheet 6EP1334-2BA20



SITOP PSU100S/1AC/24VDC/10A

SITOP PSU100S 24 V/10 A Stabilized power supply input: 120/230 V AC, output: DC 24 V/10 A *Ex approval no longer available*

Input	
Input	1-phase AC
• Note	Automatic range selection
supply voltage	
1 at AC rated value	120 V
2 at AC rated value	230 V
input voltage	
• 1 at AC	85 132 V
• 2 at AC	170 264 V
Wide-range input	No
Overvoltage resistance	2.3 × Vin rated, 1.3 ms
Mains buffering	at Vin = 93/187 V
Mains buffering at lout rated, min.	20 ms; at Vin = 93/187 V
Rated line frequency 1	50 Hz
Rated line frequency 2	60 Hz
Rated line range	47 63 Hz
input current	
at rated input voltage 120 V	4.49 A
at rated input voltage 230 V	1.91 A
Switch-on current limiting (+25 °C), max.	60 A
I²t, max.	5.6 A ² ·s
Built-in incoming fuse	T 6.3 A/250 V (not accessible)
Protection in the mains power input (IEC 898)	Recommended miniature circuit breaker: from 10 A characteristic C
Output	
Output	Controlled, isolated DC voltage
Rated voltage Vout DC	24 V
output voltage at output 1 at DC rated value	24 V
Total tolerance, static ±	3 %
Static mains compensation, approx.	0.1 %
Static load balancing, approx.	1 %
Residual ripple peak-peak, max.	150 mV
Residual ripple peak-peak, typ.	20 mV
Spikes peak-peak, max. (bandwidth: 20 MHz)	240 mV
Spikes peak-peak, typ. (bandwidth: 20 MHz)	160 mV
Adjustment range	22.8 28 V
product function output voltage adjustable	Yes
Output voltage setting	via potentiometer
Status display	Green LED for 24 V OK
Signaling	Relay contact (NO contact, rating 60 V DC/ 0.3 A) for "24 V OK"

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• during storage -40 +85 °C	— Note	with natural convection
• during storage -40 +85 °C	during transport	-40 +85 °C
		-40 +85 °C
	Humidity class according to EN 60721	Climate class 3K3, 5 95% no condensation

Mechanics		
Connection technology	screw-type terminals	
Connections		
Supply input	L, N, PE: 1 screw terminal each for 0.5 2.5 mm² single-core/finely stranded	
Output	+, -: 2 screw terminals each for 0.5 2.5 mm²	
Auxiliary	Alarm signals: 2 screw terminals for 0.5 2.5 mm ²	
signaling contact	2 screw terminals for 0.5 2.5 mm ²	
width of the enclosure	70 mm	
height of the enclosure	125 mm	
depth of the enclosure	120 mm	
required spacing		
• top	50 mm	
bottom	50 mm	
● left	0 mm	
• right	0 mm	
Weight, approx.	0.8 kg	
product feature of the enclosure housing can be lined up	Yes	
Installation	Snaps onto DIN rail EN 60715 35x7.5/15	
electrical accessories	Buffer module	
mechanical accessories	Device identification label 20 mm × 7 mm, pale turquoise 3RT1900- 1SB20	
MTBF at 40 °C	1 614 510 h	
other information	Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)	

