## **SIEMENS**

Data sheet 6EP1336-3BA10

## SITOP PSU8200/1ACDC/24VDC/20A

SITOP PSU8200 20 A Stabilized power supply input: 120-230 V AC 110-220 V DC output: 24 V DC/20 A

Input	
Input	1-phase and 2-phase AC or DC
Rated voltage value Vin rated	120 230 V
Voltage range AC	85 275 V
• Note	Derating of temperature necessary down to 50 $^{\circ}\text{C}$ at Vin < 100 V AC or DC
supply voltage	
• at DC	110 220 V
input voltage	
• at DC	88 350 V
Wide-range input	Yes
Mains buffering	at Vin = 230 V
Mains buffering at lout rated, min.	20 ms; at Vin = 230 V
Rated line frequency 1	50 Hz
Rated line frequency 2	60 Hz
Rated line range	45 65 Hz
input current	
<ul> <li>at rated input voltage 120 V</li> </ul>	4.6 A
at rated input voltage 230 V	2.5 A
Switch-on current limiting (+25 °C), max.	20 A
I²t, max.	5 A <sup>2</sup> ·s
Built-in incoming fuse	Yes
Protection in the mains power input (IEC 898)	Recommended miniature circuit breaker at 1-phase operation: 10 A characteristic C; required at 2-phase operation: circuit breaker 2-pole connected or circuit breaker 3RV2711-1HD10 (UL 489) at 120 V or 3RV2711-1ED10 (UL 489) at 230 V
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.	0.3 %
Residual ripple peak-peak, max.	100 mV
Residual ripple peak-peak, typ.	80 mV
Spikes peak-peak, max. (bandwidth: 20 MHz)	200 mV

Adjustment range

Status display

On/off behavior

Voltage rise, typ.

Startup delay, max.

Rated current value lout rated

Signaling

Output voltage setting

Spikes peak-peak, typ. (bandwidth: 20 MHz)

product function output voltage adjustable

100 mV

Yes

1.5 s 50 ms

20 A

24 ... 28.8 V

via potentiometer

Green LED for 24 V OK

No overshoot of Vout (soft start)

Relay contact (NO contact, rating 60 V DC/ 0.3 A) for "24 V OK"

ox. 23 A or latching
l
hutdown"
0950-1 and EN 50178
e E197259; cCSAus
nA nC IIC T3 Gc; ) Class I, Div. 2,
om -40 °C nominal

	voltage	
<ul> <li>during transport</li> </ul>	-40 +85 °C	
during storage	-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 0.2 4 mm² single-core/finely stranded	
<ul><li>Output</li></ul>	+, -: 2 screw terminals each for 0.2 4 mm²	
Auxiliary	13, 14 (alarm signal): 1 screw terminal each for 0.14 1.5 mm <sup>2</sup>	
width of the enclosure	90 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	
Weight, approx.	1.2 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, TI-grey 3RT2900-1SB20	
MTBF at 40 °C	667 048 h	
other information	Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)	

