SIEMENS

Data sheet

6EP1336-3BA10



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

Input 1-phase and 2-phase AC or DC Input Rated voltage value Vin rated 120 ... 230 V Voltage range AC 85 ... 275 V Note Derating of temperature necessary down to 50 °C at Vin < 100 V AC or DC supply voltage 110 ... 220 V • at DC input voltage • at DC 88 ... 350 V Yes Wide-range input 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 • at rated input voltage 120 V 4.6 A • at rated input voltage 230 V 2.5 A 20 A Switch-on current limiting (+25 °C), max. 5 A²·s l²t, max. 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

SITOP PSU8200/1ACDC/24VDC/20A

Output Controlled, isolated DC voltage Output Rated voltage Vout DC 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 2428.8 V product function output voltage adjustable Yes Output voltage setting Via potentiometer Status display Green LED for 24 V OK Signaling Relay contact (IX contact, rating 60 V DC/ 0.3 A) for "24 V OK" Ortoff behavior No overshoot of Vout (soft start) Statup delay, max. 1.5 s Ottage res, typ. 50 ms Rated current value tout rated 20 A Current range 0 20 A • Note +00 +70 °C: Derating 3%/K suppled active power hytical 480 W • short-term overload current 60 A • at short-circuit during operation typical 400 W • at short-circuit during operation typical 30 A Parallel switchable units for enhanced 25 ms constant overload current • at short-circuit during operation typical • on short-circuit during operation typical 30 A Parallel switchable units for enhanced 2 Efficiency 100 trated, approx. 42 W Closed-loop control 20 W 0.5 % Dynamic mains compensation (Vin rated ±15 %), max. 0.5 %	Spikes peak-peak, typ. (bandwidth: 20 MHz)	100 mV
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cCSAus (CSA C22.2 No. 213, ANSI/ISA-12.12.01) Class I, Div. 2, Group ABCD, T3	Explosion protection	
certificate of suitability NEC Class 2 No		cCSAus (CSA C22.2 No. 213, ANSI/ISA-12.12.01) Class I, Div. 2,
	certificate of suitability NEC Class 2	
FM approval -	FM approval	-
CB approval Yes	CB approval	Yes

certificate of suitability EAC approval	Yes
Marine approval	ABS, DNV GL
EMC	
Emitted interference	EN 55022 Class B
Supply harmonics limitation	EN 61000-3-2
Noise immunity	EN 61000-6-2
environmental conditions	
ambient temperature	
 during operation 	-25 +70 °C
— Note	With natural convection; startup tested starting from -40 °C nominal voltage
 during transport 	-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 mm ² single-core/finely stranded
Output	+, -: 2 screw terminals each for 0.2 4 mm ²
Auxiliary	13, 14 (alarm signal): 1 screw terminal each for 0.14 1.5 mm ²
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 $^\circ\text{C}$ (unless otherwise specified)

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