6EP3436-8SB00-0AY0

## **Data sheet**

SITOP PSU8200/3AC/24VDC/20A



SITOP PSU8200 24 V/20 A Stabilized power supply input: 3 AC 400-500 V output: 24 V DC/20 A

Input

input	
Input	3-phase AC
Rated voltage value Vin rated	400 500 V
Voltage range AC	320 575 V
Wide-range input	Yes
Mains buffering	at Vin = 400 V
Mains buffering at lout rated, min.	15 ms; at Vin = 400 V
Rated line frequency 1	50 Hz
Rated line frequency 2	60 Hz
Rated line range	47 63 Hz
input current	
<ul> <li>at rated input voltage 400 V</li> </ul>	1.2 A
<ul> <li>at rated input voltage 500 V</li> </ul>	1 A
Switch-on current limiting (+25 °C), max.	16 A
I²t, max.	0.8 A <sup>2</sup> ·s
Built-in incoming fuse	none
Protection in the mains power input (IEC 898)	Required: 3-pole connected miniature circuit breaker 6 16 A characteristic C or circuit breaker 3RV2011-1DA10 (setting 3 A) or 3RV2711-1DD10 (UL 489)
Output	
Output	Controlled, isolated DC voltage
Rated voltage Vout DC	24 V
Total tolerance, static ±	3 %
Static mains compensation, approx.	0.1 %
Static load balancing, approx.	0.2 %
Residual ripple peak-peak, max.	100 mV
Spikes peak-peak, max. (bandwidth: 20 MHz)	200 mV
Adjustment range	24 28 V
product function output voltage adjustable	Yes
Output voltage setting	via potentiometer; max. 480 W
Status display	Green LED for 24 V OK
Signaling	Relay contact (NO contact, rating 60 V DC/ 0.3 A) for "24 V OK"
On/off behavior	No overshoot of Vout (soft start)
Startup delay, max.	2.5 s
voltage increase time of the output voltage maximum	500 ms

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environmental conditions	
ambient temperature	
<ul><li>during operation</li></ul>	-25 +70 °C
— Note	With natural convection; startup tested starting from -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	L1, L2, L3, 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 mm <sup>2</sup>
Auxiliary	13, 14 (alarm signal): 1 screw terminal each for 0.14 1.5 mm²; 15, 16 (Remote): 1 screw terminal each for 0.14 1.5 mm²
width of the enclosure	70 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, Tl-grey 3RT2900-1SB20
MTBF at 40 °C	590 573 h
other information	Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)

