6EP3334-8SB00-0AY0

Data sheet



SITOP PSU8200/1AC/24VDC/10A

SITOP PSU8200 24 V/10 A stabilized power supply input: 120/230 V AC output: 24 V DC/ 10 A *Ex approval no longer available*

Input	
type of the power supply network	1-phase AC
supply voltage at AC	
• initial value	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
design of input wide range input	No
operating condition of the mains buffering	at Vin = 120/230 V
buffering time for rated value of the output current in the event of power failure minimum	35 ms
operating condition of the mains buffering	at Vin = 120/230 V
line frequency	
1 rated value	50 Hz
2 rated value	60 Hz
line frequency	47 63 Hz
input current	
 at rated input voltage 120 V 	4 A
 at rated input voltage 230 V 	1.9 A
current limitation of inrush current at 25 °C maximum	10 A
I2t value maximum	0.3 A ² ·s
fuse protection type	T 6.3 A (not accessible)
• in the feeder	Recommended miniature circuit breaker at 1-phase operation: from 6 A (10 A) characteristic C (B); required at 2-phase operation: circuit breaker 2-pole connected or circuit breaker 3RV2011-1EA10 (setting 3.8 A) or 3RV2711-1ED10 (UL 489) at 230 V; 3RV2011-1DA10 (setting 3 A) or 3RV2711-1DD10 (UL 489) at 400/500 V
Output	
voltage curve at output	Controlled, isolated DC voltage
output voltage at DC rated value	24 V
output voltage	
at output 1 at DC rated value	24 V
relative overall tolerance of the voltage	3 %
relative control precision of the output voltage	
 on slow fluctuation of input voltage 	0.1 %
 on slow fluctuation of ohm loading 	0.3 %
residual ripple	
• maximum	50 mV

votage peak - maximum adjustable output vottage adjustable yes votage for normal operation Appe of signal at output Relay contact (NO contact, rating 60 V DC/ 0.3 A) for "24 V OK" Deep of signal at output Relay contact (NO contact, rating 60 V DC/ 0.3 A) for "24 V OK" Deep of signal at output Relay contact (NO contact, rating 60 V DC/ 0.3 A) for "24 V OK" Deep of signal at output Relay contact (NO contact, rating 60 V DC/ 0.3 A) for "24 V OK" Deep of signal at output Relay contact (NO contact, rating 60 V DC/ 0.3 A) for "24 V OK" Deep of signal at output Relay contact (NO contact, rating 60 V DC/ 0.3 A) for "24 V OK" Deep of signal at output Relay contact (NO contact, rating 60 V DC/ 0.3 A) for "24 V OK" Deep of signal at output Relay contact (NO contact, rating 60 V DC/ 0.3 A) for "24 V OK" Deep of signal at output Relay contact (NO contact, rating 60 V DC/ 0.3 A) for "24 V OK" Deep of signal at output Relay contact (NO contact, rating 60 V DC/ 0.3 A) for "24 V OK" Deep of signal at output Relay contact (NO contact, rating 60 V DC/ 0.3 A) for "24 V OK" Deep of signal at output Relay contact (NO contact, rating 60 V DC/ 0.3 A) for "24 V OK" Deep of signal at output Relay contact (NO contact, rating 60 V DC/ 0.3 A) for "24 V OK" Deep of signal at output Relay contact (NO contact, rating 60 V DC/ 0.3 A) for "24 V OK" Deep of signal at output Relay contact (NO contact, rating 60 V DC/ 0.3 A) for "24 V OK" Deep of signal at output Relay contact (NO contact, rating 60 V DC/ 0.3 A) for "24 V OK" Deep of signal at output Relay contact (NO contact, rating 60 V DC/ 0.3 A) for "24 V OK" Deep of signal at output Relay contact (NO contact, rating 60 V DC/ 0.3 A) for "24 V OK" Deep of signal at output Relay contact (NO contact, rating 60 V DC/ 0.3 A) for "24 V OK" Deep of signal at output Relay contact (NO contact, rating 60 V DC/ 0.3 A) for "24 V OK" Deep of signal at output Relay contact (NO contact, rating 60 V DC/ 0.3 A) for "24 V GK" Relay contact (NO contact, rating 60 V		
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operating resource protection class Class I		
		Safety extra-low output voltage Uout acc. to EN 60950-1 and EN 50178
leakage current		Class I
	leakage current	

maximum	3.5 mA
• typical	1 mA
protection class IP	IP20
Approvals	IF 20
certificate of suitability	V
CE marking	Yes
UL approval	Yes; cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259; cCSAus (CSA C22.2 No. 60950-1, UL 60950-1)
CSA approval	Yes; cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259;
a oCSAva Class 1 Division 2	cCSAus (CSA C22.2 No. 60950-1, UL 60950-1) No
cCSAus, Class 1, Division 2ATEX	No
certificate of suitability	INO
IECEX	No
NEC Class 2	No
ULhazloc approval	No
FM registration	No
type of certification CB-certificate	Yes
certificate of suitability	Voc
EAC approval certificate of suitability shipbuilding approval	Yes Yes
shipbuilding approval Marine classification association	_ ABS, DNV GL
	Von
American Bureau of Shipping Europe Ltd. (ABS) Transh marine classification assists (RV)	Yes
French marine classification society (BV) PNN (Cl.) PNN (Cl.)	No
• DNV GL	Yes
Lloyds Register of Shipping (LRS)	No
Nippon Kaiji Kyokai (NK)	No
EMC	
standard	
for emitted interference	EN 55022 Class B
for mains harmonics limitation	EN 61000-3-2
for interference immunity	EN 61000-6-2
environmental conditions	
ambient temperature	
during operation	-25 +70 °C; With natural convection; startup tested starting from -40 °C nominal voltage
during transport	-40 +85 °C
during storage	40 +85 °C
environmental category according to IEC 60721	Climate class 3K3, 5 95% no condensation
Mechanics	
type of electrical connection	
	screw-type terminals
• at input	L, N, PE: 1 screw terminal each for 0.2 2.5 mm² single-core/finely stranded
at inputat output	L, N, PE: 1 screw terminal each for 0.2 2.5 mm² single-core/finely
•	L, N, PE: 1 screw terminal each for 0.2 2.5 mm² single-core/finely stranded
• at output	L, N, PE: 1 screw terminal each for 0.2 2.5 mm² single-core/finely stranded +, -: 2 screw terminals each for 0.2 2.5 mm² 13, 14 (alarm signal): 1 screw terminal each for 0.14 1.5 mm²; 15, 16
at output for auxiliary contacts	L, N, PE: 1 screw terminal each for 0.2 2.5 mm² single-core/finely stranded +, -: 2 screw terminals each for 0.2 2.5 mm² 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
at output for auxiliary contacts width of the enclosure	L, N, PE: 1 screw terminal each for 0.2 2.5 mm² single-core/finely stranded +, -: 2 screw terminals each for 0.2 2.5 mm² 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 55 mm
at output for auxiliary contacts width of the enclosure height of the enclosure	L, N, PE: 1 screw terminal each for 0.2 2.5 mm² single-core/finely stranded +, -: 2 screw terminals each for 0.2 2.5 mm² 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 55 mm 125 mm
at output for auxiliary contacts width of the enclosure height of the enclosure depth of the enclosure	L, N, PE: 1 screw terminal each for 0.2 2.5 mm² single-core/finely stranded +, -: 2 screw terminals each for 0.2 2.5 mm² 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 55 mm 125 mm
 at output for auxiliary contacts width of the enclosure height of the enclosure depth of the enclosure required spacing	L, N, PE: 1 screw terminal each for 0.2 2.5 mm² single-core/finely stranded +, -: 2 screw terminals each for 0.2 2.5 mm² 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 55 mm 125 mm
at output for auxiliary contacts width of the enclosure height of the enclosure depth of the enclosure required spacing top	L, N, PE: 1 screw terminal each for 0.2 2.5 mm² single-core/finely stranded +, -: 2 screw terminals each for 0.2 2.5 mm² 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 55 mm 125 mm 125 mm
 at output for auxiliary contacts width of the enclosure height of the enclosure depth of the enclosure required spacing top bottom 	L, N, PE: 1 screw terminal each for 0.2 2.5 mm² single-core/finely stranded +, -: 2 screw terminals each for 0.2 2.5 mm² 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 55 mm 125 mm 125 mm 50 mm
 at output for auxiliary contacts width of the enclosure height of the enclosure depth of the enclosure required spacing top bottom left 	L, N, PE: 1 screw terminal each for 0.2 2.5 mm² single-core/finely stranded +, -: 2 screw terminals each for 0.2 2.5 mm² 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 55 mm 125 mm 10 mm 0 mm
 at output for auxiliary contacts width of the enclosure height of the enclosure depth of the enclosure required spacing top bottom left right 	L, N, PE: 1 screw terminal each for 0.2 2.5 mm² single-core/finely stranded +, -: 2 screw terminals each for 0.2 2.5 mm² 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 55 mm 125 mm 125 mm 50 mm 0 mm
 at output for auxiliary contacts width of the enclosure height of the enclosure depth of the enclosure required spacing top bottom left right net weight 	L, N, PE: 1 screw terminal each for 0.2 2.5 mm² single-core/finely stranded +, -: 2 screw terminals each for 0.2 2.5 mm² 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 55 mm 125 mm 125 mm 50 mm 0 mm 0 mm 0 mm
 at output for auxiliary contacts width of the enclosure height of the enclosure depth of the enclosure required spacing top bottom left right net weight product feature of the enclosure housing can be lined up	L, N, PE: 1 screw terminal each for 0.2 2.5 mm² single-core/finely stranded +, -: 2 screw terminals each for 0.2 2.5 mm² 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 55 mm 125 mm 125 mm 50 mm 0 mm 0 mm 1 kg Yes
at output for auxiliary contacts width of the enclosure height of the enclosure depth of the enclosure required spacing top bottom left right net weight product feature of the enclosure housing can be lined up fastening method	L, N, PE: 1 screw terminal each for 0.2 2.5 mm² single-core/finely stranded +, -: 2 screw terminals each for 0.2 2.5 mm² 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 55 mm 125 mm 125 mm 50 mm 0 mm 0 mm 1 kg Yes Snaps onto DIN rail EN 60715 35x7.5/15

other information

Specifications at rated input voltage and ambient temperature +25 $^{\circ}\text{C}$ (unless otherwise specified)

