SIEMENS

Data sheet

6EP1334-3BA10-8AB0



SITOP PSU200M/1-2AC/24VDC/10A/CO

SITOP PSU200M plus 10 A Stabilized power supply input: AC 120-230/230-500 V output: DC 24 V/10 A Option for with protective varnish

Figure similar

Input	
Input	1-phase and 2-phase AC
Note	Set by means of selector switch on the device
supply voltage	
• 1 at AC	120 230 V
• 2 at AC	230 500 V
input voltage	
• 1 at AC	85 264 V
• 2 at AC	176 550 V
Wide-range input	Yes
Overvoltage resistance	1300 Vpeak, 1.3 ms
Mains buffering	at Vin = 120/230 V, typ. 150 ms at Vin = 400 V
Mains buffering at lout rated, min.	25 ms; at Vin = 120/230 V, typ. 150 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	
 at rated input voltage 120 V 	4.4 A
 at rated input voltage 230 V 	2.4 A
 at rated input voltage 500 V 	1.1 A
Switch-on current limiting (+25 °C), max.	35 A
I²t, max.	4 A ² ·s
Built-in incoming fuse	T 6.3 A (not accessible)
Protection in the mains power input (IEC 898)	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	

Adjustment range	24 28.8 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"
On/off behavior	Overshoot of Vout approx. 3 %
Startup delay, max.	1s
Voltage rise, typ.	50 ms
Rated current value lout rated	10 A
Current range	0 10 A
Note	+60 +70 °C: Derating 2%/K (at 120 V, 230 V) or 3.5%/K (at 400 V)
supplied active power typical	240 W
short-term overload current	
at short-circuit during operation typical	30 A
duration of overloading capability for excess current	
at short-circuit during operation	25 ms
constant overload current	
 on short-circuiting during the start-up typical 	12 A
Parallel switching for enhanced performance	Yes; switchable characteristic
Numbers of parallel switchable units for enhanced performance	2
Efficiency	
Efficiency at Vout rated, lout rated, approx.	91 %
Power loss at Vout rated, lout rated, approx.	24 W
power loss [W] during no-load operation maximum	- 6 W
Closed-loop control	
Dynamic mains compensation (Vin rated ±15 %), max.	0.1 %
Dynamic load smoothing (lout: 50/100/50 %), Uout ± typ.	3%
	2 ms
Load step setting time 50 to 100%, typ. Load step setting time 100 to 50%, typ.	2 ms
setting time maximum	5 ms
Protection and monitoring	0 110
	< 35 V
Output overvoltage protection	12 A
Current limitation, typ.	=
property of the output short-circuit proof	Yes Alternatively, constant surrent characteristic energy, 12 A or letabling
Short-circuit protection	Alternatively, constant current characteristic approx. 12 A or latching shutdown
enduring short circuit current RMS value	40.4
• typical	12 A
Overload/short-circuit indicator	LED yellow for "overload", LED red for "latching shutdown"
Safety	N
Primary/secondary isolation	Yes
galvanic isolation	Safety extra-low output voltage Uout acc. to EN 60950-1 and EN 50178
Protection class	Class I
leakage current	
• maximum	3.5 mA
• typical	0.32 mA
Degree of protection (EN 60529)	IP20
Approvals	
CE mark	Yes
UL/cUL (CSA) approval	cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259
Explosion protection	IECEX EX nA nC IIC T4 Gc; ATEX (EX) II 3G EX nA nC IIC T4 Gc; cCSAus (CSA C22.2 No. 213, ANSI/ISA-12.12.01) Class I, Div. 2, Group ABCD, T3
certificate of suitability NEC Class 2	No
FM approval	-
CB approval	No
CB approval certificate of suitability EAC approval	Yes

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	
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 2.5 mm ² single-core/finely stranded	
Output	+, -: 2 screw terminals each for 0.2 2.5 mm ²	
Auxiliary	13, 14 (alarm signal): 1 screw terminal each for 0.14 1.5 mm ²	
width of the enclosure	70 mm	
height of the enclosure	125 mm	
depth of the enclosure	121 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	
MTBF at 40 °C	1 055 408 h	
other information	Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)	

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