SIEMENS

Data sheet

6EP1334-3BA10-8AB0



Figuresimilar

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

Input

type of the power supply network

supply voltage at AC

initial value

supply voltage

- 1 at AC
- 2 at AC

input voltage

- 1 at AC
- 2 at AC

design of input wide range input

overvoltage overload capability

operating condition of the mains buffering

buffering time for rated value of the output current in the event of power failure minimum

operating condition of the mains buffering line frequency

riequericy

- 1 rated value
- 2 rated value

line frequency

input current

- at rated input voltage 120 V
- at rated input voltage 230 V
- at rated input voltage 500 V

current limitation of inrush current at 25 °C maximum

12t value maximum

fuse protection type

• in the feeder

1-phase and 2-phase AC

Set by means of selector switch on the device

120 ... 230 V

230 ... 500 V

85 ... 264 V

176 ... 550 V

Yes

1300 Vpeak, 1.3 ms

at Vin = 120/230 V, typ. 150 ms at Vin = 400 V

25 ms

at Vin = 120/230 V, typ. 150 ms at Vin = 400 V

50 Hz

60 Hz

47 ... 63 Hz

4.4 A

2.4 A

1.1 A

35 A

4 A²·s

T 6.3 A (not accessible)

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 output voltage at DC rated value

output voltage

• at output 1 at DC rated value relative overall tolerance of the voltage

relative control precision of the output voltage

- on slow fluctuation of input voltage
- on slow fluctuation of ohm loading residual ripple

Controlled, isolated DC voltage

24 V

24 V

3 %

0.1 %

0.1 %

	50. \
• maximum	50 mV
voltage peak	200 mV
• maximum	200 mV
adjustable output voltage	24 28.8 V
product function output voltage adjustable	Yes
type of output voltage setting display version for normal operation	via potentiometer Green LED for 24 V OK
type of signal at output	Relay contact (NO contact, rating 60 V DC/ 0.3 A) for "24 V OK"
behavior of the output voltage when switching on	Overshoot of Vout approx. 3 %
response delay maximum	1 s
voltage increase time of the output voltage	13
typical	50 ms
output current	oo me
rated value	10 A
• rated range	0 10 A; +60 +70 °C: Derating 2%/K (at 120 V, 230 V) or 3.5%/K (at
S	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	40.4
on short-circuiting during the start-up typical	12 A
product feature	Variable black and a second of the
bridging of equipment	Yes; switchable characteristic
number of parallel-switched equipment resources for increasing the power	2
Efficiency	
efficiency in percent	91 %
power loss [W]	31 70
at rated output voltage for rated value of the output	24 W
current typical	
 during no-load operation maximum 	6 W
adming no load operation maximum	
Closed-loop control	
Closed-loop control relative control precision of the output voltage with rapid	0.1 %
Closed-loop control relative control precision of the output voltage with rapid fluctuation of the input voltage by +/- 15% typical	0.1 %
Closed-loop control relative control precision of the output voltage with rapid fluctuation of the input voltage by +/- 15% typical relative control precision of the output voltage load step of	
Closed-loop control relative control precision of the output voltage with rapid fluctuation of the input voltage by +/- 15% typical relative control precision of the output voltage load step of resistive load 50/100/50 % typical	0.1 %
Closed-loop control relative control precision of the output voltage with rapid fluctuation of the input voltage by +/- 15% typical relative control precision of the output voltage load step of resistive load 50/100/50 % typical setting time	0.1 % 3 %
Closed-loop control relative control precision of the output voltage with rapid fluctuation of the input voltage by +/- 15% typical relative control precision of the output voltage load step of resistive load 50/100/50 % typical setting time ● load step 50 to 100% typical	0.1 % 3 % 2 ms
relative control precision of the output voltage with rapid fluctuation of the input voltage by +/- 15% typical relative control precision of the output voltage load step of resistive load 50/100/50 % typical setting time • load step 50 to 100% typical • load step 100 to 50% typical	0.1 % 3 %
Closed-loop control relative control precision of the output voltage with rapid fluctuation of the input voltage by +/- 15% typical relative control precision of the output voltage load step of resistive load 50/100/50 % typical setting time ● load step 50 to 100% typical	0.1 % 3 % 2 ms
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Closed-loop control relative control precision of the output voltage with rapid fluctuation of the input voltage by +/- 15% typical relative control precision of the output voltage load step of resistive load 50/100/50 % typical setting time • load step 50 to 100% typical • load step 100 to 50% typical setting time • maximum Protection and monitoring	0.1 % 3 % 2 ms 2 ms
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 CSA approval 	Yes; cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259
 cCSAus, Class 1, Division 2 	No
• ATEX	No
certificate of suitability	
• IECEx	No
NEC Class 2	No
 ULhazloc approval 	No
 FM registration 	No
type of certification CB-certificate	No
certificate of suitability	
 EAC approval 	Yes
certificate of suitability shipbuilding approval	Yes
shipbuilding approval	ABS, DNV GL
Marine classification association	
 American Bureau of Shipping Europe Ltd. (ABS) 	Yes
 French marine classification society (BV) 	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	
	-25 +70 °C; with natural convection
ambient temperature • during operation	-25 +70 °C; with natural convection -40 +85 °C
ambient temperature	
ambient temperature • during operation	-40 +85 °C
ambient temperature	-40 +85 °C -40 +85 °C
ambient temperature	-40 +85 °C -40 +85 °C Climate class 3K3, 5 95% no condensation
ambient temperature • during operation • during transport • during storage environmental category according to IEC 60721 Mechanics type of electrical connection	-40 +85 °C -40 +85 °C Climate class 3K3, 5 95% no condensation screw-type terminals
ambient temperature	-40 +85 °C -40 +85 °C Climate class 3K3, 5 95% no condensation
ambient temperature • during operation • during transport • during storage environmental category according to IEC 60721 Mechanics type of electrical connection	-40 +85 °C -40 +85 °C Climate class 3K3, 5 95% no condensation screw-type terminals L, N, PE: 1 screw terminal each for 0.2 2.5 mm² single-core/finely
ambient temperature • during operation • during transport • during storage environmental category according to IEC 60721 Mechanics type of electrical connection • at input	-40 +85 °C -40 +85 °C Climate class 3K3, 5 95% no condensation screw-type terminals L, N, PE: 1 screw terminal each for 0.2 2.5 mm² single-core/finely stranded
ambient temperature • during operation • during transport • during storage environmental category according to IEC 60721 Mechanics type of electrical connection • at input • at output	-40 +85 °C -40 +85 °C Climate class 3K3, 5 95% no condensation screw-type terminals 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
ambient temperature • during operation • during transport • during storage environmental category according to IEC 60721 Mechanics type of electrical connection • at input • at output • for auxiliary contacts	-40 +85 °C -40 +85 °C Climate class 3K3, 5 95% no condensation screw-type terminals 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
ambient temperature • during operation • during transport • during storage environmental category according to IEC 60721 Mechanics type of electrical connection • at input • at output • for auxiliary contacts width of the enclosure	-40 +85 °C -40 +85 °C Climate class 3K3, 5 95% no condensation screw-type terminals 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 70 mm
ambient temperature • during operation • during transport • during storage environmental category according to IEC 60721 Mechanics type of electrical connection • at input • at output • for auxiliary contacts width of the enclosure height of the enclosure	-40 +85 °C -40 +85 °C Climate class 3K3, 5 95% no condensation screw-type terminals 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 70 mm 125 mm
ambient temperature • during operation • during transport • during storage environmental category according to IEC 60721 Mechanics type of electrical connection • at input • at output • for auxiliary contacts width of the enclosure height of the enclosure depth of the enclosure	-40 +85 °C -40 +85 °C Climate class 3K3, 5 95% no condensation screw-type terminals 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 70 mm 125 mm
ambient temperature • during operation • during transport • during storage environmental category according to IEC 60721 Mechanics type of electrical connection • at input • at output • for auxiliary contacts width of the enclosure height of the enclosure depth of the enclosure required spacing	-40 +85 °C -40 +85 °C Climate class 3K3, 5 95% no condensation screw-type terminals 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 70 mm 125 mm 121 mm
ambient temperature • during operation • during storage • during storage environmental category according to IEC 60721 Mechanics type of electrical connection • at input • for auxiliary contacts width of the enclosure height of the enclosure depth of the enclosure required spacing • top	-40 +85 °C -40 +85 °C Climate class 3K3, 5 95% no condensation screw-type terminals 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 70 mm 125 mm 121 mm
ambient temperature • during operation • during storage • environmental category according to IEC 60721 Mechanics type of electrical connection • at input • for auxiliary contacts width of the enclosure height of the enclosure depth of the enclosure required spacing • top • bottom	-40 +85 °C -40 +85 °C Climate class 3K3, 5 95% no condensation screw-type terminals 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 70 mm 125 mm 121 mm 50 mm 50 mm
ambient temperature • during operation • during storage environmental category according to IEC 60721 Mechanics type of electrical connection • at input • at output • for auxiliary contacts width of the enclosure height of the enclosure depth of the enclosure required spacing • top • bottom • left	-40 +85 °C -40 +85 °C Climate class 3K3, 5 95% no condensation screw-type terminals 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 70 mm 125 mm 121 mm 50 mm 50 mm 0 mm
ambient temperature • during operation • during storage environmental category according to IEC 60721 Mechanics type of electrical connection • at input • at output • for auxiliary contacts width of the enclosure height of the enclosure depth of the enclosure required spacing • top • bottom • left • right	-40 +85 °C -40 +85 °C Climate class 3K3, 5 95% no condensation screw-type terminals 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 70 mm 125 mm 121 mm 50 mm 0 mm 0 mm
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ambient temperature • during operation • during storage environmental category according to IEC 60721 Mechanics type of electrical connection • at input • 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 electrical accessories	-40 +85 °C -40 +85 °C Climate class 3K3, 5 95% no condensation screw-type terminals 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 70 mm 125 mm 121 mm 50 mm 0 mm 0 mm 0 mm 0 mm 0 skg Yes Snaps onto DIN rail EN 60715 35x7.5/15 Buffer module

