SIEMENS

Data sheet 6EP1334-3BA10



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

SITOP PSU200M 10 A stabilized power supply input: 120/230-500 V AC output: 24 V DC/10 A

input		
type of the power supply network	1-phase and 2-phase AC	
supply voltage at AC	Set by means of selector switch on the device	
supply voltage 1 at AC	120 230 V	
supply voltage 2 at AC	230 500 V	
input voltage 1 at AC	85 264 V	
input voltage 2 at AC	176 550 V	
wide range input	Yes	
overvoltage overload capability	1300 Vpeak, 1.3 ms	
buffering time for rated value of the output current in the event of power failure minimum	25 ms	
operating condition of the mains buffering	at Vin = 120/230 V, typ. 150 ms at Vin = 400 V	
line frequency	50/60 Hz	
line frequency	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	
current limitation of inrush current at 25 °C maximum	35 A	
I2t value maximum	4 A²·s	
fuse protection type	T 6.3 A (not accessible)	
fuse protection type 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	
output voltage adjustable	Yes; via potentiometer	
adjustable output voltage	24 28.8 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	0.1 %	
residual ripple		
• maximum	50 mV	
voltage peak		
• maximum	200 mV	

display version for normal operation Spee of signal at output behavior of the output voltage when switching on response delay maximum voltage increase time of the output voltage • typical output current • rated value • rated value • rated value • rated range supplied active power typical abort-term overload current • at short-circuit during operation typical duration of overloading capability for excess current • at short-circuit during operation typical duration of overloading capability for excess current • at short-circuit during operation typical duration of periodic during the start-up typical bridging of equipment number of parallel-switched equipment resources for increasing the power officiency in percent efficiency in percent • during no-load operation maximum clocad-top control clocad-top control efficiency 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 50/100059 k typical • load step 50 to 100% kypical • load step 50 to 100% bypical • load step 50 to 500% typical • load step 50 to 100% bypical • load step 50 to 100% bypical • load step 60 to 100% bypical		
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leakage current	. •	
• maximum 3.5 mA		
• typical 0.32 mA		
protection class IP IP20		
EMC		
standard • for omitted interference • FN 55032 Class P		
• for emitted interference EN 55022 Class B		
• for mains harmonics limitation EN 61000-3-2		
• for interference immunity EN 61000-6-2		
standards, specifications, approvals		
certificate of suitability		
• CE marking Yes		
 UL approval Yes; cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259; cCS. (CSA C22.2 No. 60950-1, UL 60950-1) 	SAus	
• CSA approval Yes: cUL us-Listed (UL 508, CSA C22.2 No. 107.1). File E197259: cCS	2.SAue	

	(CSA C22 2 No. 60950-1 LII 60950-1)	
UKCA marking	(CSA C22.2 No. 60950-1, UL 60950-1) Yes	
EAC approval	Yes	
Regulatory Compliance Mark (RCM)	Yes	
NEC Class 2	No	
• SEMI F47	Yes	
type of certification	165	
CB-certificate	Yes	
MTBF at 40 °C	1 055 408 h	
standards, specifications, approvals hazardous environments	1 033 400 11	
certificate of suitability		
IECEx	No	
• ATEX	No	
ULhazloc approval	No	
cCSAus, Class 1, Division 2	No	
FM registration	No	
standards, specifications, approvals marine classification	NO	
	Ves	
shipbuilding approval	Yes	
Marine classification association	Voc	
American Bureau of Shipping Europe Ltd. (ABS) French marine elegification assists (DV)	Yes	
French marine classification society (BV) Det Naraka Varites (DNV)	No Voc	
Det Norske Veritas (DNV)	Yes	
Lloyds Register of Shipping (LRS)	No	
standards, specifications, approvals Environmental Product De		
Environmental Product Declaration	Yes	
Global Warming Potential [CO2 eq]		
• total	763.9 kg	
during manufacturing	12.6 kg	
during operation	751 kg	
after end of life	0.18 kg	
ambient conditions		
ambient temperature		
• during operation	-25 +70; With natural convection; startup tested starting from -40 °C nominal voltage	
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during operation during transport during storage environmental category according to IEC 60721 connection method type of electrical connection at input at output for auxiliary contacts mechanical data width × height × depth of the enclosure installation width × mounting height required spacing top	voltage -40 +85 -40 +85 Climate class 3K3, 5 95% no condensation screw terminal 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 × 125 × 121 mm 70 mm × 225 mm	
during operation during transport during storage environmental category according to IEC 60721 connection method type of electrical connection at input at output for auxiliary contacts mechanical data width × height × depth of the enclosure installation width × mounting height required spacing top bottom left right	voltage -40 +85 -40 +85 Climate class 3K3, 5 95% no condensation screw terminal 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 × 125 × 121 mm 70 mm × 225 mm 50 mm 50 mm	
during operation during transport during storage environmental category according to IEC 60721 connection method type of electrical connection at input at output for auxiliary contacts mechanical data width × height × depth of the enclosure installation width × mounting height required spacing top bottom left	voltage -40 +85 -40 +85 Climate class 3K3, 5 95% no condensation screw terminal 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 × 125 × 121 mm 70 mm × 225 mm 50 mm 50 mm 0 mm	
during operation during transport during storage environmental category according to IEC 60721 connection method type of electrical connection at input at output for auxiliary contacts mechanical data width × height × depth of the enclosure installation width × mounting height required spacing top bottom left right	voltage -40 +85 -40 +85 Climate class 3K3, 5 95% no condensation screw terminal 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 × 125 × 121 mm 70 mm × 225 mm 50 mm 50 mm 0 mm 0 mm	
during operation during transport during storage environmental category according to IEC 60721 connection method type of electrical connection at input at output for auxiliary contacts mechanical data width × height × depth of the enclosure installation width × mounting height required spacing top bottom left right fastening method	voltage -40 +85 -40 +85 Climate class 3K3, 5 95% no condensation screw terminal 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 × 125 × 121 mm 70 mm × 225 mm 50 mm 50 mm 0 mm Snaps onto DIN rail EN 60715 35x7.5/15	
during operation during transport during storage environmental category according to IEC 60721 connection method type of electrical connection at input at output for auxiliary contacts mechanical data width × height × depth of the enclosure installation width × mounting height required spacing top bottom left right fastening method standard rail mounting	voltage -40 +85 -40 +85 Climate class 3K3, 5 95% no condensation screw terminal 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 × 125 × 121 mm 70 mm × 225 mm 50 mm 50 mm 0 mm 0 mm Snaps onto DIN rail EN 60715 35x7.5/15 Yes	
during operation during transport during storage environmental category according to IEC 60721 connection method type of electrical connection at input at output for auxiliary contacts mechanical data width × height × depth of the enclosure installation width × mounting height required spacing top bottom left right fastening method standard rail mounting S7 rail mounting	voltage -40 +85 -40 +85 Climate class 3K3, 5 95% no condensation screw terminal 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 × 125 × 121 mm 70 mm × 225 mm 50 mm 50 mm 0 mm 0 mm Snaps onto DIN rail EN 60715 35x7.5/15 Yes No	
during operation during transport during storage environmental category according to IEC 60721 connection method type of electrical connection at input at output for auxiliary contacts mechanical data width × height × depth of the enclosure installation width × mounting height required spacing top bottom left right fastening method standard rail mounting S7 rail mounting wall mounting wall mounting	voltage -40 +85 -40 +85 Climate class 3K3, 5 95% no condensation screw terminal 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 × 125 × 121 mm 70 mm × 225 mm 50 mm 50 mm 0 mm Snaps onto DIN rail EN 60715 35x7.5/15 Yes No No	
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during operation during transport during storage environmental category according to IEC 60721 connection method type of electrical connection at input at output for auxiliary contacts mechanical data width × height × depth of the enclosure installation width × mounting height required spacing top bottom left right fastening method standard rail mounting S7 rail mounting wall mounting housing can be lined up net weight accessories	voltage -40 +85 -40 +85 Climate class 3K3, 5 95% no condensation screw terminal 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 × 125 × 121 mm 70 mm × 225 mm 50 mm 50 mm 0 mm Snaps onto DIN rail EN 60715 35x7.5/15 Yes No No Yes 0.8 kg	
during operation during transport during storage environmental category according to IEC 60721 connection method type of electrical connection at input at output for auxiliary contacts mechanical data width × height × depth of the enclosure installation width × mounting height required spacing top bottom left right fastening method standard rail mounting S7 rail mounting wall mounting housing can be lined up net weight accessories electrical accessories	voltage -40 +85 -40 +85 Climate class 3K3, 5 95% no condensation screw terminal 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 × 125 × 121 mm 70 mm × 225 mm 50 mm 50 mm 0 mm 0 mm Snaps onto DIN rail EN 60715 35x7.5/15 Yes No No Yes 0.8 kg	

• to website: Industry Mall

• to web page: selection aid TIA Selection Tool

• to website: CAx-Download-Manager

• to website: Industry Online Support

https://mall.industry.siemens.com

https://www.siemens.com/tstcloud

https://siemens.com/cax

https://support.industry.siemens.com

additional information

other information

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

security information

security information

Siemens provides products and solutions with industrial cybersecurity functions that support the secure operation of plants, systems, machines and networks. In order to protect plants, systems, machines and networks against cyber threats, it is necessary to implement – and continuously maintain – a holistic, state-of-the-art industrial cybersecurity concept. Siemens' products and solutions constitute one element of such a concept. Customers are responsible for preventing unauthorized access to their plants, systems, machines and networks. Such systems, machines and components should only be connected to an enterprise network or the internet if and to the extent such a connection is necessary and only when appropriate security measures (e.g. firewalls and/or network segmentation) are in place. For additional information on industrial cybersecurity measures that may be implemented, please visit www.siemens.com/cybersecurity-industry. Siemens' products and solutions undergo continuous development to make them more secure. Siemens strongly recommends that product updates are applied as soon as they are available and that the latest product versions are used. Use of product versions that are no longer supported, and failure to apply the latest updates may increase customer's exposure to cyber threats. To stay informed about product updates, subscribe to the Siemens Industrial Cybersecurity RSS Feed under https://www.siemens.com/cert. (V4.7)

Classifications

	Version	Classification
eClass	14	27-04-07-01
eClass	12	27-04-07-01
eClass	9.1	27-04-07-01
eClass	9	27-04-07-01
eClass	8	27-04-90-02
eClass	7.1	27-04-90-02
eClass	6	27-04-90-02
ETIM	9	EC002540
ETIM	8	EC002540
ETIM	7	EC002540
IDEA	4	4130
UNSPSC	15	39-12-10-04
	eClass eClass eClass eClass eClass eClass eTIM ETIM ETIM IDEA	eClass 14 eClass 9.1 eClass 9.1 eClass 9 eClass 6 eClass 6 ETIM 9 ETIM 8 ETIM 7 IDEA 4

Approvals Certificates

General Product Approval

CE

Manufacturer Declaration Declaration of Conformity







General Product Approval

Marine / Shipping

Environment



BIS CRS







last modified:

11/19/2024