SIEMENS

Data sheet 6EP1333-4BA00



SIMATIC PM 1507/1AC/24VDC/8A

SIMATIC PM 1507 24 V/8 A Regulated power supply for SIMATIC S7-1500 input: 120/230 V AC, output: 24 V DC/8 A

1-phase AC	
Automatic range selection	
120 V/230 V	
85 132 V	
170 264 V	
No	
2.3 × Vin rated, 1.3 ms	
20 ms	
at Vin = 93/187 V	
50/60 Hz	
45 65 Hz	
3.7 A	
1.7 A	
62 A	
3 ms	
12 A²·s	
T 6.3 A/250 V (not accessible)	
Recommended miniature circuit breaker: 16 A characteristic B or 10 A characteristic C	
Controlled, isolated DC voltage	
24 V	
24 V	
No	
1 %	
0.1 %	
0.1 %	
50 mV	
150 mV	
150 mV LED green for 24 V OK: LED red for error: LED vellow for stand-by	
LED green for 24 V OK; LED red for error; LED yellow for stand-by No overshoot of Vout (soft start)	

voltage increase time of the output voltage	
• typical	10 ms
output current	
rated value	8 A
rated range	0 8 A
supplied active power typical	192 W
short-term overload current	
 on short-circuiting during the start-up typical 	35 A
at short-circuit during operation typical	35 A
duration of overloading capability for excess current	
on short-circuiting during the start-up	70 ms
at short-circuit during operation	70 ms
bridging of equipment	Yes
number of parallel-switched equipment resources for increasing the power	2
efficiency	
efficiency in percent	90 %
power loss [W]	
at rated output voltage for rated value of the output current typical	21 W
closed-loop control	
relative control precision of the output voltage with rapid fluctuation of the input voltage by +/- 15% typical	0.1 %
relative control precision of the output voltage load step of resistive load 50/100/50 % typical	2 %
relative control precision of the output voltage at load step of resistive load 10/90/10 % typical	3 %
setting time	
• load step 10 to 90% typical	5 ms
load step 90 to 10% typical	5 ms
• maximum	5 ms
protection and monitoring	
design of the overvoltage protection	Additional control loop, limitation (closed loop control) at < 28.8 V
property of the output short-circuit proof	Yes
design of short-circuit protection	Electronic shutdown, automatic restart
response value current limitation	8.4 9.6 A
• typical	9 A
• typical	
• typical safety	
	Yes
safety	Yes Safety extra-low output voltage Vout acc. to EN 60950-1 and EN 50178 and EN 61131-2
safety galvanic isolation between input and output	Safety extra-low output voltage Vout acc. to EN 60950-1 and EN 50178 and EN
galvanic isolation between input and output galvanic isolation	Safety extra-low output voltage Vout acc. to EN 60950-1 and EN 50178 and EN 61131-2
galvanic isolation between input and output galvanic isolation operating resource protection class	Safety extra-low output voltage Vout acc. to EN 60950-1 and EN 50178 and EN 61131-2
galvanic isolation between input and output galvanic isolation operating resource protection class leakage current	Safety extra-low output voltage Vout acc. to EN 60950-1 and EN 50178 and EN 61131-2 Class I
galvanic isolation between input and output galvanic isolation operating resource protection class leakage current • maximum	Safety extra-low output voltage Vout acc. to EN 60950-1 and EN 50178 and EN 61131-2 Class I 3.5 mA
galvanic isolation between input and output galvanic isolation operating resource protection class leakage current • maximum • typical	Safety extra-low output voltage Vout acc. to EN 60950-1 and EN 50178 and EN 61131-2 Class I 3.5 mA 1.3 mA
safety galvanic isolation between input and output galvanic isolation operating resource protection class leakage current • maximum • typical protection class IP	Safety extra-low output voltage Vout acc. to EN 60950-1 and EN 50178 and EN 61131-2 Class I 3.5 mA 1.3 mA
safety galvanic isolation between input and output galvanic isolation operating resource protection class leakage current	Safety extra-low output voltage Vout acc. to EN 60950-1 and EN 50178 and EN 61131-2 Class I 3.5 mA 1.3 mA
galvanic isolation between input and output galvanic isolation operating resource protection class leakage current • maximum • typical protection class IP EMC standard	Safety extra-low output voltage Vout acc. to EN 60950-1 and EN 50178 and EN 61131-2 Class I 3.5 mA 1.3 mA IP20
galvanic isolation between input and output galvanic isolation operating resource protection class leakage current	Safety extra-low output voltage Vout acc. to EN 60950-1 and EN 50178 and EN 61131-2 Class I 3.5 mA 1.3 mA IP20 EN 55022 Class B
safety galvanic isolation between input and output galvanic isolation operating resource protection class leakage current • maximum • typical protection class IP EMC standard • for emitted interference • for mains harmonics limitation • for interference immunity	Safety extra-low output voltage Vout acc. to EN 60950-1 and EN 50178 and EN 61131-2 Class I 3.5 mA 1.3 mA IP20 EN 55022 Class B EN 61000-3-2
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galvanic isolation between input and output galvanic isolation operating resource protection class leakage current	Safety extra-low output voltage Vout acc. to EN 60950-1 and EN 50178 and EN 61131-2 Class I 3.5 mA 1.3 mA IP20 EN 55022 Class B EN 61000-3-2 EN 61000-6-2 Yes
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safety galvanic isolation between input and output galvanic isolation operating resource protection class leakage current	Safety extra-low output voltage Vout acc. to EN 60950-1 and EN 50178 and EN 61131-2 Class I 3.5 mA 1.3 mA IP20 EN 55022 Class B EN 61000-3-2 EN 61000-6-2 Yes Yes; cULus-Listed (UL 508, CSA C22.2 No. 142), File E143289 Yes; cULus-Listed (UL 508, CSA C22.2 No. 142), File E143289
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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 eClass ETIM ETIM ETIM IDEA	eClass 14 eClass 9.1 eClass 9.1 eClass 9 eClass 6 eClass 7.1 eClass 6 ETIM 9 ETIM 8 ETIM 7 IDEA 4

Approvals Certificates

General Product Approval





Manufacturer Declaration





Miscellaneous

General Product Approval

For use in hazardous locations

BIS CRS







<u>FM</u>

CCC-Ex

For use in hazardous locations

Marine / Shipping

Environment











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12/22/2024