SIEMENS

Data sheet 6EP1332-1SH71



SIMATIC PM1207/1AC/24VDC/2.5A

SIMATIC S7-1200 Power Module PM1207 Stabilized power supply input: 120/230 V AC, output: DC 24 V/2,5 A

type of the power supply network supply voltage at AC supply voltage input voltage 1 at AC input voltage 1 at AC input voltage 2 at AC wide range input overvoltage overload capability buffering time for rated value of the output current in the event of power failure minimum operating condition of the mains buffering line frequency line frequency input current • at rated input voltage 120 V at rated input voltage 230 V current limitation of inrush current at 25 °C maximum l2t value maximum 2.5 A²-s fuse protection type fuse protection type in the feeder voltage curve at output - voltage curve at output - voltage curve at output - Controlled, isolated DC voltage - voltage curve at output - voltage curve at AC - voltage curve at AC - volt		
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current limitation of inrush current at 25 °C maximum duration of inrush current limiting at 25 °C		
duration of inrush current limiting at 25 °C	0.67 A	
● maximum 12t value maximum 0.5 A²·s fuse protection type T 3,15 A/250 V (not accessible) fuse protection type in the feeder Recommended miniature circuit breaker: 16 A characteristic B or 10 A characteristic C output		
12t value maximum 0.5 A²-s fuse protection type T 3,15 A/250 V (not accessible) Recommended miniature circuit breaker: 16 A characteristic B or 10 A characteristic C output		
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fuse protection type in the feeder Recommended miniature circuit breaker: 16 A characteristic B or 10 A characteristic C output		
characteristic C 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 No; -		
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 0.2 %		
residual ripple		
• maximum 150 mV		
voltage peak		
• maximum 240 mV		
display version for normal operation Green LED for 24 V OK		
behavior of the output voltage when switching on No overshoot of Vout (soft start)		
response delay maximum 6 s; 2 s at 230 V, 6 s at 120 V		

voltage increase time of the output voltage	40		
• typical	10 ms		
output current			
• rated value	2.5 A		
rated range	0 2.5 A		
supplied active power typical	60 W		
short-term overload current			
 on short-circuiting during the start-up typical 	6 A		
at short-circuit during operation typical	6 A		
duration of overloading capability for excess current			
 on short-circuiting during the start-up 	100 ms		
at short-circuit during operation	100 ms		
bridging of equipment	Yes		
number of parallel-switched equipment resources for increasing the power	2		
efficiency			
efficiency in percent	83 %		
power loss [W]			
 at rated output voltage for rated value of the output current typical 	12 W		
closed-loop control			
relative control precision of the output voltage with rapid fluctuation of the input voltage by +/- 15% typical	0.3 %		
relative control precision of the output voltage load step of resistive load 50/100/50 % typical	3 %		
setting time			
load step 50 to 100% typical	5 ms		
● load step 100 to 50% typical	5 ms		
setting time			
• maximum	5 ms		
protection and monitoring			
design of the overvoltage protection	< 33 V		
property of the output short-circuit proof	Yes		
design of short-circuit protection	Constant current characteristic		
• typical	2.65 A		
enduring short circuit current RMS value			
• typical	2.7 A		
safety			
galvanic isolation between input and output	Yes		
galvanic isolation	Safety extra-low output voltage Uout acc. to EN 60950-1 and EN 50178		
operating resource protection class	Class I		
leakage current			
• maximum	3.5 mA		
protection class IP	IP20		
EMC			
standard	EN STORE OL - B		
• for emitted interference	EN 55022 Class B		
• for mains harmonics limitation	not applicable		
for interference immunity	EN 61000-6-2		
standards, specifications, approvals			
certificate of suitability	V.		
• CE marking	Yes		
UL approval	Yes; cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259; cURus-Recognized (UL 60950-1, CSA C22.2 No. 60950-1) File E151273		
CSA approval	Yes; cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259; cURus- Recognized (UL 60950-1, CSA C22.2 No. 60950-1) File E151273		
UKCA marking TAC appropriate	Yes		
EAC approval	Yes		
• NEC Class 2	Yes; according to UL1310, File E151273		
type of certification	V		
CB-certificate	Yes		
MTBF at 40 °C	1 492 537 h		

standards, specifications, approvals hazardous environments		
certificate of suitability		
• IECEx	Yes; IECEx Ex nA nC IIC T4 Gc	
• ATEX	Yes; ATEX (EX) II 3G Ex nA nC IIC T4 Gc	
ULhazloc approval	Yes	
• cCSAus, Class 1, Division 2	No	
• UKEX	Yes	
CCC for hazardous zone according to GB standard	Yes	
FM registration	Yes; Class I, Div. 2, Group ABCD, T4	
standards, specifications, approvals marine classification		
shipbuilding approval	Yes	
Marine classification association		
 American Bureau of Shipping Europe Ltd. (ABS) 	Yes	
 French marine classification society (BV) 	Yes	
 Det Norske Veritas (DNV) 	Yes	
 Lloyds Register of Shipping (LRS) 	Yes	
Nippon Kaiji Kyokai (NK)	Yes	
standards, specifications, approvals Environmental Product D	eclaration	
Global Warming Potential [CO2 eq]		
• total	334.2 kg	
during manufacturing	5.7 kg	
during operation	328.2 kg	
after end of life	0.21 kg	
ambient conditions		
ambient temperature		
 during operation 	0 60; with natural convection	
 during transport 	-40 +85	
during storage	-40 +85	
environmental category according to IEC 60721	Climate class 3K3, 5 95% no condensation	
connection method		
type of electrical connection	screw terminal	
• at input	L, N, PE: 1 screw terminal each for 0.5 2.5 mm ²	
• at output	L+, M: 2 screw terminals each for 0.5 2.5 mm ²	
 for auxiliary contacts 	-	
mechanical data		
width × height × depth of the enclosure	70 × 100 × 75 mm	
installation width × mounting height	70 mm × 140 mm	
required spacing		
• top	20 mm	
• bottom	20 mm	
• left	0 mm	
• right	0 mm	
fastening method	Snaps onto DIN rail EN 60715 35x7.5/15, wall mounting	
standard rail mounting	Yes	
S7 rail mounting	No	
wall mounting	Yes	
housing can be lined up	Yes	
net weight	0.3 kg	
further information internet links		
internet link		
to website: Industry Mall	https://mall.industry.siemens.com	
to web page: selection aid TIA Selection Tool	https://www.siemens.com/tstcloud	
• to web page: power supplies	https://siemens.com/sitop	
to website: CAx-Download-Manager	https://siemens.com/cax	
to website: Industry Online Support	https://support.industry.siemens.com	
additional information		
other information	Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)	
security information	otherwise specified)	
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

Approvals Certificates

General Product Approval







Manufacturer Declaration





For use in hazardous locations







<u>FM</u>

CCC-Ex



Marine / Shipping











CCS (China Classification Society)

Marine / Shipping



last modified: 12/22/2024 🖸