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

input	
type of the power supply network	1-phase AC
supply voltage at AC	Automatic range selection
supply voltage	120 V/230 V
input voltage 1 at AC	85 132 V
input voltage 2 at AC	176 264 V
wide range input	No
overvoltage overload capability	2.3 × Vin rated, 1.3 ms
buffering time for rated value of the output current in the event of power failure minimum	20 ms
operating condition of the mains buffering	at Vin = 93/187 V
line frequency	50/60 Hz
line frequency initial value	47 63 Hz
line frequency full-scale value	
input current	
• at rated input voltage 120 V	1.2 A
• at rated input voltage 230 V	0.67 A
current limitation of inrush current at 25 °C maximum	13 A
duration of inrush current limiting at 25 °C	
• maximum	3 ms
I2t 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	
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	
• 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 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
response value current limitation 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	Oldos I
maximum	3.5 mA
protection class IP standard	IP20
	EN 55022 Class B
for emitted interference for mains harmonica limitation	
for mains harmonics limitation for interference immunity	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
 EAC approval 	Yes
NEC Class 2	Yes; according to UL1310, File E151273
type of certification	
CB-certificate	Yes
MTBF at 40 °C	1 492 537 h
standards, specifications, approvals hazardous environments	
certificate of suitability	

1505	V 1505 5 4 0 110 T 4 0			
• IECEX	Yes; IECEx Ex nA nC IIC T4 G			
ATEX Hill bardes energy of	Yes; ATEX (EX) II 3G Ex nA nO	JIIC 14 GC		
ULhazloc approval Constant Division 0	Yes			
• cCSAus, Class 1, Division 2	No	D T4		
FM registration	Yes; Class I, Div. 2, Group ABC	JD, 14		
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			
ambient conditions				
ambient temperature				
during operation	0 60 °C; with natural convect	tion		
 during transport 	-40 +85 °C			
during storage	-40 +85 °C			
environmental category according to IEC 60721	Climate class 3K3, 5 95% no	condensation		
connection method				
type of electrical connection	screw-type terminals			
• at input	L, N, PE: 1 screw terminal each for 0.5 2.5 mm²			
• at output	L+, M: 2 screw terminals each	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 × 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 mountin	g	
standard rail mounting	Yes			
S7 rail mounting	No	No		
wall mounting	Yes			
housing can be lined up	Yes			
net weight	0.3 kg			
additional information				
other information	Specifications at rated input vol	Itage and ambient temper	erature +25 °C (unless	
	otherwise specified)		5.4.a. 25 5 (a555	
security information				
security information Classifications	Siemens provides products and solutions with industrial security 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 security 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 security measures that may be implemented, please visit https://www.siemens.com/industrialsecurity. 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 Security RSS Feed under https://www.siemens.com/cert. (V4.6)			
Classifications			01 15 11	
		Version	Classification	
	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





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