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		
Input	1-phase AC	
Note	Automatic range selection	
supply voltage		
 1 at AC rated value 	120 V	
2 at AC rated value	230 V	
input voltage		
• 1 at AC	85 132 V	
• 2 at AC	176 264 V	
Wide-range input	No	
Overvoltage resistance	2.3 × Vin rated, 1.3 ms	
Mains buffering	at Vin = 93/187 V	
Mains buffering at lout rated, min.	20 ms; at Vin = 93/187 V	
Rated line frequency 1	50 Hz	
Rated line frequency 2	60 Hz	
Rated line range	47 63 Hz	
input current		
 at rated input voltage 120 V 	1.2 A	
 at rated input voltage 230 V 	0.67 A	
Switch-on current limiting (+25 °C), max.	13 A	
duration of inrush current limiting at 25 °C		
• maximum	3 ms	
l²t, max.	0.5 A ² ·s	
Built-in incoming fuse	T 3,15 A/250 V (not accessible)	
Protection in the mains power input (IEC 898)	Recommended miniature circuit breaker: 16 A characteristic B or 10 A characteristic C	
Output		
Output	Controlled, isolated DC voltage	
Rated voltage Vout DC	24 V	
output voltage at output 1 at DC rated value	24 V	
Total tolerance, static ±	3 %	
Static mains compensation, approx.	0.1 %	
Static load balancing, approx.	0.2 %	
Residual ripple peak-peak, max.	150 mV	
Spikes peak-peak, max. (bandwidth: 20 MHz)	240 mV	
product function output voltage adjustable	No	
Output voltage setting	•	
Status display	Green LED for 24 V OK	
On/off behavior	No overshoot of Vout (soft start)	

Startup delay, max. Voltage rise, typ. Rated current value lout rated 2.5 A Current range supplied active power typical short-term overload current • on short-circuiting during the start-up typical • at short-circuit during operation typical duration of overloading capability for excess current • on short-circuiting during the start-up • at short-circuiting during the start-up • at short-circuiting during the start-up • at short-circuiting operation Parallel switching for enhanced performance Numbers of parallel switchable units for enhanced performance Efficiency Efficiency at Vout rated, lout rated, approx. Power loss at Vout rated, lout rated, approx. Dynamic mains compensation (Vin rated ±15 %), max. Dynamic load smoothing (lout: 50/100/50 %), Uout ± typ. Load step setting time 50 to 100%, typ. 5 ms Protection and monitoring	
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Protection and monitoring	
/ Nutrius avanvaltaga protection	
Output overvoltage protection < 33 V Current limitation, typ. 2.65 A	
• 71	
property of the output short-circuit proof Yes Constant surrent share their short share the resteriation.	
Short-circuit protection Constant current characteristic	
enduring short circuit current RMS value	
• typical 2.7 A	
Overload/short-circuit indicator -	
Safety	
Primary/secondary isolation Yes	
galvanic isolation Safety extra-low output voltage Uout acc. to EN 60950-1 and EN	50178
Protection class Class I	
leakage current	
• maximum 3.5 mA	
Degree of protection (EN 60529)	
Approvals	
CE mark Yes	
UL/cUL (CSA) approval cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259; cUl Recognized (UL 60950-1, CSA C22.2 No. 60950-1) File E15127:	
Explosion protection IECEx Ex nA nC IIC T4 Gc; ATEX (EX) II 3G Ex nA nC IIC T4 Gc CULus (ISA 12.12.01, CSA C22.2 No.213) Class I, Div. 2, Group T4, File E330455	
certificate of suitability NEC Class 2 No	
FM approval Class I, Div. 2, Group ABCD, T4	
CB approval Yes	
certificate of suitability EAC approval Yes	
Marine approval ABS, BV, DNV GL, LRS, NK	
EMC	
Emitted interference EN 55022 Class B	
Supply harmonics limitation not applicable Notice immunity	
Noise immunity EN 61000-6-2	
environmental conditions	
ambient temperature	
• during operation 0 60 °C	
— Note with natural convection	
• during transport -40 +85 °C	
• during storage -40 +85 °C	

Humidity class according to EN 60721	Climate class 3K3, 5 95% no condensation
Mechanics	
Connection technology	screw-type terminals
Connections	
 Supply input 	L, N, PE: 1 screw terminal each for 0.5 2.5 mm ²
 Output 	L+, M: 2 screw terminals each for 0.5 2.5 mm ²
Auxiliary	-
width of the enclosure	70 mm
height of the enclosure	100 mm
depth of the enclosure	75 mm
required spacing	
• top	20 mm
• bottom	20 mm
• left	0 mm
• right	0 mm
Weight, approx.	0.3 kg
product feature of the enclosure housing can be lined up	Yes
Installation	Snaps onto DIN rail EN 60715 35x7.5/15, wall mounting
MTBF at 40 °C	1 492 537 h
other information	Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)

