SIEMENS

Data sheet

6EP1332-4BA00



SIMATIC PM1507/1AC/24VDC/3A

SIMATIC PM 1507 24 V/3 A Stabilized power supply for SIMATIC S7-1500 input: 120/230 V AC, output: 24 V DC/3 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	170 264 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	45 65 Hz
input current	
 at rated input voltage 120 V 	1.4 A
 at rated input voltage 230 V 	0.8 A
current limitation of inrush current at 25 °C maximum	23 A
duration of inrush current limiting at 25 °C	
• maximum	3 ms
I2t value maximum	1.3 A ² ·s
fuse protection type	T 3,15 A/250 V (not accessible)
fuse protection type in the feeder	Recommended miniature circuit breaker: 10 A characteristic B or 6 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	1 %
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	150 mV
display version for normal operation	LED green for 24 V OK; LED red for error; LED yellow for stand-by
behavior of the output voltage when switching on	No overshoot of Vout (soft start)
response delay maximum	1.5 s
voltage increase time of the output voltage	

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standard EN 55022 Class B • 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 EN 61000-6-2 certificate of suitability Yes • CE marking Yes; cULus-Listed (UL 508, CSA C22.2 No. 142), File E143289 • CSA approval Yes; cULus-Listed (UL 508, CSA C22.2 No. 142), File E143289 • EAC approval Yes • NEC Class 2 No type of certification Yes; R-41183539 • CB-certificate Yes MTBF at 40 °C 1 611 993 h		
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• for interference immunityEN 61000-6-2standards, specifications, approvalscertificate of suitability• CE marking• UL approval• UL approval• CSA approval• CSA approval• EAC approval• NEC Class 2• NeC Class 2• BIS• CB-certificateYes; R-41183539• CB-certificateYes• MTBF at 40 °C• 1 611 993 h		
standards, specifications, approvalscertificate of suitabilityYes• CE markingYes; cULus-Listed (UL 508, CSA C22.2 No. 142), File E143289• CSA approvalYes; cULus-Listed (UL 508, CSA C22.2 No. 142), File E143289• EAC approvalYes• NEC Class 2Notype of certificationYes; R-41183539• CB-certificateYesMTBF at 40 °C1 611 993 h		
certificate of suitabilityYes• CE markingYes; cULus-Listed (UL 508, CSA C22.2 No. 142), File E143289• UL approvalYes; cULus-Listed (UL 508, CSA C22.2 No. 142), File E143289• CSA approvalYes; cULus-Listed (UL 508, CSA C22.2 No. 142), File E143289• EAC approvalYes• NEC Class 2Notype of certificationYes; R-41183539• CB-certificateYesMTBF at 40 °C1 611 993 h		
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• EAC approval Yes • NEC Class 2 No type of certification Yes; R-41183539 • CB-certificate Yes MTBF at 40 °C 1 611 993 h		
• NEC Class 2 No type of certification Yes; R-41183539 • CB-certificate Yes MTBF at 40 °C 1 611 993 h		
type of certification• BISYes; R-41183539• CB-certificateYesMTBF at 40 °C1 611 993 h		Yes
• BIS Yes; R-41183539 • CB-certificate Yes MTBF at 40 °C 1 611 993 h		No
• CB-certificate Yes MTBF at 40 °C 1 611 993 h	type of certification	
MTBF at 40 °C 1 611 993 h	• BIS	Yes; R-41183539
	CB-certificate	Yes
standards, specifications, approvals hazardous environments	MTBF at 40 °C	1 611 993 h
	standards, specifications, approvals hazardous environments	

certificate of suitability						
• IECEX	Yes; IECEX Ex nA nC IIC T4 Go					
• ATEX	Yes; ATEX (EX) II 3G Ex nA nC	, IIC 14 GC				
ULhazloc approval	Yes					
cCSAus, Class 1, Division 2	No					
• FM registration	Yes; Class I, Div. 2, Group ABC	J, 14				
standards, specifications, approvals marine classification	X	_	_			
shipbuilding approval	Yes					
Marine classification association	Vec					
American Bureau of Shipping Europe Ltd. (ABS) French marine classification excitet (DV)	Yes					
French marine classification society (BV)	Yes					
Det Norske Veritas (DNV)	Yes					
Lloyds Register of Shipping (LRS)	No					
ambient conditions						
ambient temperature	0 60 °C with not up loop wat	ion.				
during operation	0 60 °C; with natural convect	1011				
during transport	-40 +85 °C -40 +85 °C					
during storage		condensation				
environmental category according to IEC 60721 connection method	Climate class 3K3, 5 95% no					
	Scrow /spring clamp connection					
type of electrical connection	Screw-/spring clamp connection L, N, PE: 1 screw terminal each					
• at input						
at output	L+, M: 2 spring-loaded terminal Yes	s each 101 0.5 to 2.5 mm				
removable terminal at input						
removable terminal at output mechanical data	165	Yes				
width × height × depth of the enclosure	50 × 147 × 129 mm					
	50 × 147 × 129 mm					
installation width × mounting height required spacing	50 mm × 205 mm					
	40 mm					
• top • bottom	40 mm					
 bottom left 	40 mm					
• right		0 mm				
fastening method		0 mm				
standard rail mounting	Can be mounted onto S7-1500 rail					
S7 rail mounting	Yes	No				
wall mounting						
housing can be lined up	Yes	_ No				
net weight	0.45 kg					
additional information	0.10 kg					
other information	Specifications at rated input vol	tage and ambient temper	ature +25 °C (unless			
	otherwise specified)					
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

СВ	СВ	<u>Manufacturer Declara-</u> tion	UK CA		<u>Miscellaneous</u>
General Product Approval	For use in hazardous	slocations			
<u>BIS CRS</u>	IECEx	BUREAU VERITAS	IECEx IECEx	EM	<u>CCC-Ex</u>
For use in hazard- ous locations	Marine / Shipping				
	B U REAU VERITAS				
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last modified:

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