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	
• initial value	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	170 264 V
design of input wide range input	No
overvoltage overload capability	2.3 × Vin rated, 1.3 ms
operating condition of the mains buffering	at Vin = 93/187 V
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	
• 1 rated value	50 Hz
2 rated value	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)
• 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
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	

voltage pask • naxonum 150 mV product function autput voltage adjustable No digitaly version for normal operation LED green for 24 V OK; LED red for error; LED yallow for stand-by behavior of the output voltage insolution of Vaul (soft start) voltage increase time of the output voltage No • output current 15 s • started value 3 A • rated value 72 W schrifter moved current 12 A • on short-forcaling quining the star-up typical 12 A • on short-forcaling quining the star-up pytical 12 A • on short-forcaling quining the star-up 70 ms product feature Yes number of parallel-switched aquing memit resources for increasing the power 87 % power loss [W] 0.1 % restarted output voltage for rated value of the output ubutcution of the input voltage yes 1 % restarted output voltage for rated value of the output ubutcutaton of the input voltage yes 1 %	• maximum	50 mV
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CSA approval Yes; cULus-Listed (UL 508, CSA C22.2 No. 142), File E143289	CE marking	Yes
	 UL approval 	Yes; cULus-Listed (UL 508, CSA C22.2 No. 142), File E143289
cCSAus, Class 1, Division 2 No	 CSA approval 	Yes; cULus-Listed (UL 508, CSA C22.2 No. 142), File E143289
	• cCSAus, Class 1, Division 2	No

• ATEX	Yes; ATEX (EX) II 3G Ex nA nC IIC T4 Gc
certificate of suitability	
 relating to ATEX 	IECEX EX NA NC IIC T4 Gc; ATEX (EX) II 3G EX NA NC IIC T4 Gc; cULus (ANSI/ISA 12.12.01, CSA C22.2 No.213) Class I, Div. 2, Group ABCD, T4, File E330455
• IECEx	Yes; IECEx Ex nA nC IIC T4 Gc
NEC Class 2	No
ULhazloc approval	Yes
 FM registration 	Yes; Class I, Div. 2, Group ABCD, T4
type of certification CB-certificate	Yes
certificate of suitability	
EAC approval	Yes
certificate of suitability shipbuilding approval	Yes
shipbuilding approval	ABS, BV, DNV GL
Marine classification association	
 American Bureau of Shipping Europe Ltd. (ABS) 	Yes
French marine classification society (BV)	Yes
• DNV GL	Yes
Lloyds Register of Shipping (LRS)	No
 Nippon Kaiji Kvokai (NK) 	No
EMC	
standard	
for emitted interference	EN 55022 Class B
for mains harmonics limitation	EN 61000-3-2
for interference immunity	EN 61000-6-2
environmental conditions	EN 01000-0-2
ambient temperature	0 00 °C with natural convection
during operation	0 60 °C; with natural convection
during transport	-40 +85 °C
during storage	-40 +85 °C Climate class 3K3, 5 95% no condensation
environmental category acc. to IEC 60721	
Mechanics	
type of electrical connection	Screw-/spring clamp connection
at input	L, N, PE: 1 screw terminal each for 0.5 2.5 mm ²
at output	L+, M: 2 spring-loaded terminals each for 0.5 to 2.5 mm ²
product function	
removable terminal at input	Yes
removable terminal at output	Yes
width of the enclosure	50 mm
height of the enclosure	147 mm
depth of the enclosure	129 mm
required spacing	
• top	40 mm
• bottom	40 mm
• left	0 mm
• right	0 mm
net weight	0.45 kg
product feature of the enclosure housing can be lined up	Yes
fastening method	Can be mounted onto S7-1500 rail
MTBF at 40 °C	1 611 993 h
other information	Specifications at rated input voltage and ambient temperature +25 $^\circ C$ (unless otherwise specified)

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