## SIEMENS

## Data sheet

## 6AG1332-1SH71-7AA0



## SIPLUS POWER MODUL PM1207

SIPLUS S7-1200 PM 1207 based on 6EP1332-1SH71 with conformal coating, -25...+70 °C, stabilized power supply input: 120/230 V AC output: 24 V DC/2.5 A

Figure	simi	ar
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Input	
type of the power supply network	1-phase AC
supply voltage at AC	
initial value	Automatic range selection
supply voltage	
<ul> <li>1 at AC rated value</li> </ul>	120 V
<ul> <li>2 at AC rated value</li> </ul>	230 V
input voltage	
• 1 at AC	85 132 V
• 2 at AC	176 264 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	47 63 Hz
input current	
<ul> <li>at rated input voltage 120 V</li> </ul>	1.2 A
<ul> <li>at rated input voltage 230 V</li> </ul>	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
l2t value maximum	0.5 A <sup>2</sup> ·s
fuse protection type	T 3,15 A/250 V (not accessible)
• 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	
<ul> <li>at output 1 at DC rated value</li> </ul>	24 V
relative overall tolerance of the voltage	3 %
relative control precision of the output voltage	
<ul> <li>on slow fluctuation of input voltage</li> </ul>	0.1 %
<ul> <li>on slow fluctuation of ohm loading</li> </ul>	0.2 %
residual ripple	
• maximum	150 mV

constraint         240 mV           protect Incrice ordput visiting edited         No           default visiting edited         No           default visiting edited         Constraint Constraint           event the ordput visiting edited         Constraint Co	voltage peak	
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type of output voltage setting         -           display version for normal operation         Creen LED for 24 V OK           behavior of the output voltage when switching on         Creen LED for 24 V OK           response diega increase line of the output voltage         No overshoot of Vout (soft start)           • typical         10 ms           • output tournent         2.5 A           • raide value         2.5 A           • raide value         2.5 A           • raide value         6.7 25 A           • raide value         6.7 25 A           • raide value         6.7 25 A           • a short-circuit during operation typical         6.4           • at short-circuit during operation typical         6.4           • at short-circuit during operation         100 ms           • at short-circuit during operation         100 ms           • on short-circuit during operation         7           • on short-circuit during operation         100 ms           • output voltage for rated value of the output voltage value         12 W           • rated output voltage value         3 %           • power lass for bood by spical         5 ms           • filtediance         2 A           efficiency in percent         9 a 3 %           • power lass f		
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• typical       2.65 Å         property of the output short-circuit proof       Yes         design of short-circuit protection       Constant current characteristic         enduring short circuit current RMS value       2.7 Å         • typical       2.7 Å         display version for overload and short circuit       -         Safety		< 33 V
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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       3.5 mA         • maximum       3.5 mA         protection class IP       IP20         Approvals       Certificate of suitability         • CE marking       Yes         EMC       Standard         • for emitted interference       EN 55022 Class B         • for mains harmonics limitation       not applicable         • for interference immunity       EN 61000-6-2         environmental conditions       EN 61000-6-2		-
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     a.5 mA       • maximum     3.5 mA       protection class IP     IP20       Approvals       certificate of suitability     Yes       • CE marking     Yes       EMC       standard     for emitted interference       • for mains harmonics limitation     not applicable       • for interference immunity     EN 61000-6-2		
galvanic isolationSafety extra-low output voltage Uout acc. to EN 60950-1 and EN 50178operating resource protection classClass Ileakage current3.5 mAo maximum3.5 mAprotection class IPIP20Approvalscertificate of suitability • CE markingYesEMCstandardEN 55022 Class Bi for emitted interferenceEN 55022 Class Bi for mains harmonics limitationnot applicablei for interference immunityEN 61000-6-2environmental conditionsEN 61000-6-2		Vec
operating resource protection class       Class I         leakage current       Class I         • maximum       3.5 mA         protection class IP       IP20         Approvals       certificate of suitability         • CE marking       Yes         EMC       standard         • for emitted interference       EN 55022 Class B         • for mains harmonics limitation       not applicable         • for interference immunity       EN 61000-6-2         environmental conditions       EN 61000-6-2		
leakage current       3.5 mA         maximum       3.5 mA         protection class IP       IP20         Approvals       Emeriticate of suitability         certificate of suitability       Yes         EMC       Standard         e for emitted interference       EN 55022 Class B         e for mains harmonics limitation       not applicable         e for interference immunity       EN 61000-6-2         environmental conditions       EN 61000-6-2	5	
• maximum protection class IP3.5 mA IP20Approvalscertificate of suitability • CE markingYesEMCEMCstandard • for emitted interferenceEN 55022 Class B • for mains harmonics limitation • not applicable • EN 61000-6-2environmental conditions		
protection class IP       IP20         Approvals       Certificate of suitability         certificate of suitability       Yes         CE marking       Yes         EMC       EMC         standard       EN 55022 Class B         e for emitted interference       EN 55022 Class B         e for mains harmonics limitation       not applicable         e for interference immunity       EN 61000-6-2	-	3.5 mA
Approvals         certificate of suitability         • CE marking       Yes         EMC         standard         • for emitted interference       EN 55022 Class B         • for mains harmonics limitation       not applicable         • for interference immunity       EN 61000-6-2         environmental conditions		
certificate of suitability     Yes       • CE marking     Yes       EMC     standard       • for emitted interference     EN 55022 Class B       • for mains harmonics limitation     not applicable       • for interference immunity     EN 61000-6-2       environmental conditions     EN 61000-6-2	•	
• CE marking     Yes       EMC       standard        • for emitted interference     EN 55022 Class B       • for mains harmonics limitation     not applicable       • for interference immunity     EN 61000-6-2		
EMC         standard         • for emitted interference         • for mains harmonics limitation         • for interference immunity         EN 61000-6-2	-	Vec
standard     EN 55022 Class B       • for emitted interference     EN 55022 Class B       • for mains harmonics limitation     not applicable       • for interference immunity     EN 61000-6-2	-	
• for emitted interference         EN 55022 Class B           • for mains harmonics limitation         not applicable           • for interference immunity         EN 61000-6-2		
for mains harmonics limitation not applicable     for interference immunity EN 61000-6-2 environmental conditions		
for interference immunity EN 61000-6-2 environmental conditions		
environmental conditions		
	-	EN 01000-6-2
ambient temperature		
	ambient temperature	

<ul> <li>in horizontal mounting position during operation</li> </ul>	-25 +70 °C; with natural convection
<ul> <li>during storage and transport</li> </ul>	-40 +85 °C
installation altitude at height above sea level maximum	6 000 m
ambient condition relating to ambient temperature - air pressure - installation altitude	In case of operation at altitudes of 2000 - 6000 m above sea level: Output power derating of -7.5 %/1000 m or reduction of the ambient temperature by 5 K/1000 m
relative humidity with condensation according to IEC 60068-2-38 maximum	100 %; RH incl. condensation/frost (no commissioning if condensation is present), horizontal installation
chemical resistance to commercially available cooling lubricants	Yes; incl. diesel and oil droplets in the air
resistance to biologically active substances conformity according to EN 60721-3-3	Yes; Class 3B2 mold, fungal, sponge spores (except fauna); class 3B3 upon request
resistance to chemically active substances conformity according to EN 60721-3-3	Yes; Class 3C4 (RH < 75%) incl. salt spray acc. to EN 60068-2-52 (severity level 3)
resistance to mechanically active substances conformity according to EN 60721-3-3	Yes; Class 3S4 incl. sand, dust
resistance to biologically active substances conformity according to EN 60721-3-6	Yes; Class 6B2 mold, fungal, sponge spores (except fauna)
resistance to chemically active substances conformity according to EN 60721-3-6	Yes; Class 6C3 (RH < 75%) incl. salt spray acc. to EN 60068-2-52 (severity level 3)
resistance to mechanically active substances conformity according to EN 60721-3-6	Yes; Class 6S3 incl. sand, dust
coating for equipped printed circuit board according to EN 61086	Yes; Class 2 for high availability
type of coating protection against pollution according to EN 60664-3	Yes; Type 1 protection
type of test of the coating according to MIL-I-46058C	Yes; Discoloration of the coating during service life possible
product conformity of the coating Qualification and Performance of Electrical Insulating Compound for Printed Board Assemblies according to IPC-CC-830A	Yes; Conformal Coating, Class A
Mechanics	
type of electrical connection	screw-type terminals
• at input	L, N, PE: 1 screw terminal each for 0.5 2.5 mm <sup>2</sup>
• at output	L+, M: 2 screw terminals each for 0.5 2.5 mm <sup>2</sup>
<ul> <li>for auxiliary contacts</li> </ul>	-
width of the enclosure	70 mm
height of the enclosure	100 mm
depth of the enclosure	75 mm
required spacing	70 1111
• top	20 mm
• bottom	20 mm
• left	0 mm
right	0 mm
net weight	0.3 kg
product feature of the enclosure housing can be lined up	Yes
fastening method	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)

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