SIEMENS

Data sheet



SIPLUS LOGO! POWER 24V 4A

SIPLUS LOGO! power 24 V 4 A based on 6EP3333-6SB00-0AY0 with conformal coating, -40...+70 °C, start up -25 °C, stabilized power supply input: 100-240 V AC output: 24 V DC / 4 A

type of the power supply network aupply voltage at AC eminimum rated value maximum rated value initial value initial value initial value initial value initial value initial value input voltage at DC twide range input Ves buffering time for rated value of the output current in the event of power failure minimum operating condition of the mains buffering ine frequency ine frequen	input	
minimum rated value maximum maximu	type of the power supply network	1-phase AC or DC
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● typical 30 mV voltage peak maximum typical 50 mV 	• •	200 mV
voltage peak • maximum • typical 50 mV		
● maximum 300 mV ● typical 50 mV	· ·	
• typical 50 mV		300 mV
		00 111 0

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behavior of the output voltage when switching on	No overshoot of Vout (soft start)
response delay maximum	0.5 s
voltage increase time of the output voltage	
• typical	100 ms
output current	
rated value	4 A
rated range	0 4 A; +55 +70 °C: Derating 2%/K
supplied active power typical	96 W
bridging of equipment	Yes
number of parallel-switched equipment resources for increasing	2
the power	
efficiency	
efficiency in percent	89 %
power loss [W]	
 at rated output voltage for rated value of the output current typical 	12 W
during no-load operation maximum	0.3 W
closed-loop control	0.3 **
<u> </u>	0.2%
relative control precision of the output voltage with rapid fluctuation of the input voltage by +/- 15% typical	0.2 %
relative control precision of the output voltage at load step of resistive load 10/90/10 % typical	2 %
setting time	
• load step 10 to 90% typical	1 ms
• load step 90 to 10% typical	1 ms
protection and monitoring	
design of the overvoltage protection	Yes, according to EN 60950-1
property of the output short-circuit proof	Yes
design of short-circuit protection	Constant current characteristic
• typical	5 A
overcurrent overload capability	
when switching on	150% lout rated typ. 200 ms
• in normal operation	overload capability 150% lout rated typ. 200 ms
enduring short circuit current RMS value	
• maximum	5 A
measuring point for output current	Yes; 50 mV =^ 4 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 II (without protective conductor)
protection class IP	IP20
EMC	
standard	
• 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	
certificate of suitability	
CE marking	Yes
UKCA marking	Yes
Regulatory Compliance Mark (RCM)	Yes
MTBF at 40 °C	2 391 480 h
ambient conditions	
ambient temperature	
in horizontal mounting position during operation	-40; Startup @ -25 °C +70 °C; with natural convection
during transport	-40 +85 °C
during starsport during storage	-40 +85 °C
installation altitude at height above sea level maximum	6 000 m
motanation difficult at height above sea level maximum	0 000
ambient condition relating to ambient temperature, air pressure	In case of operation at altitudes of 2000 - 6000 m above sea level: Output
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

38 maximum	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		
connection method			
type of electrical connection	screw terminal		
• at input	L, N: 1 screw terminal each for 0.5 2.5 mm2 single-core/finely stranded		
• at output	+, -: 2 screw terminals each for 0.5 2.5 mm ²		
 for auxiliary contacts 			
mechanical data			
width × height × depth of the enclosure	72 × 90 × 53 mm		
installation width × mounting height	72 mm × 130 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, direct mounting in different mounting positions		
standard rail mounting	Yes		
S7 rail mounting	No		
wall mounting	Yes		
housing can be lined up	Yes		
net weight	0.29 kg		
further information internet links			
internet link			
• to website: Industry Mall	https://mall.industry.siemens.com		
• to website: Industry Online Support	https://support.industry.siemens.com		
additional information			
other information	Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)		
security information			
security information	Siemens provides products and solutions with industrial cybersecurity 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 cybersecurity 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 cybersecurity measures that may be implemented, please visit www.siemens.com/cybersecurity-industry. 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 Cybersecurity RSS Feed under https://www.siemens.com/cet. (V4.7)		

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

EMV

Miscellaneous

Manufacturer Declaration







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