SIEMENS

Data sheet

6EP3330-6SB00-0AY0



LOGO!Power/1AC/24VDC/0.6A

LOGO!POWER 24 V / 0.6 A stabilized power supply input: 100-240 V AC output: 24 V DC/ 0.6 A

type of the power supply network1-phase AC or DCsupply voltage at AC100 V• minimum rated value240 V• minimum rated value240 V• initial value254 V• initial value264 V• full-scale value264 Voper values evended capability300 V AC for 1 s• under value of the output current in the event of power failure minimum300 V AC for 1 s• operating condition of the mains bufferingat Vin = 187 V• operating condition of the mains buffering40 ms• operating condition of the mains buffering500 Hz• at rated input voltage 120 V0.3 A• at rated input voltage 230 V0.2 A• at rated input voltage 230 V0.3 A• at rated input voltage 230 V0.2 A• at rated input voltage 230 V0.2 A• at rated input voltage 230 V0.3 A• at rated input voltage 230 V0.3 A• at rated input voltage 230 V0.3 A• at rated input voltage 30 V0.3 A• at rated input voltage 30 V0.3 A </th <th>input</th> <th></th>	input	
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• full-scale value284 Vinput voltage at DC110 300 Vwide range inputYesovervoltage coverload capability300 VAC for 1 sbuffering time for rated value of the output current in the event of power failure minimum40 msoperating condition of the mains bufferingat Vin = 187 Vline frequency50/60 Hzinde frequency47 63 Hzinduct origination of the mains buffering0.3 A• at rated input voltage 120 V0.2 A• at rated input voltage 230 V0.2 Acurrent limitation of inrush current at 25 °C maximum80 A*sItse protection typeinternalfuse protection typeNofuse protection typeControlled, isolated DC voltageoutput voltage adjustable24 Voutput voltage adjustableNorelative overall tolerance of the voltage3%• at output 1 at DC rated value9%• on slow fluctuation of input voltage0.1 %• on slow fluctuation of input voltage0.1 %• on slow fluctuation of input voltage0.1 %• on slow fluctuation of he output voltage0.1 %• on slow fluctuation of he loading0.0 mVvoltage peak200 mV• on slow fluctuation of he loading30 mVvoltage peak300 mV• naximum300 mV• voltage peak500 mV	 maximum rated value 	240 V
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• maximum 200 mV • typical 30 mV voltage peak 300 mV • maximum 300 mV • typical 50 mV	 on slow fluctuation of ohm loading 	0.1 %
• typical 30 mV voltage peak	residual ripple	
voltage peak • maximum • typical	● maximum	200 mV
• maximum 300 mV • typical 50 mV	● typical	30 mV
• typical 50 mV	voltage peak	
	● maximum	300 mV
	● typical	50 mV
		Green LED for output voltage OK

hohavier of the output voltage when switching on	No eversheet of Vout (coft start)
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 	0.6 A
rated range	0 0.6 A; +55 +70 °C: Derating 2%/K
supplied active power typical	14.4 W
bridging of equipment	No
efficiency	
efficiency in percent	81 %
power loss [W]	
 at rated output voltage for rated value of the output 	3.4 W
current typical	
 during no-load operation maximum 	0.3 W
closed-loop control	
relative control precision of the output voltage with rapid	0.2 %
fluctuation of the input voltage by +/- 15% typical	
relative control precision of the output voltage at load step of	2 %
resistive load 10/90/10 % typical setting time	
	1 ms
load step 10 to 90% typical	
 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	0.8 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	0.8 A
measuring point for output current	No
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 	not applicable
• for interference immunity	EN 61000-6-2
standards, specifications, approvals	
certificate of suitability	
• CE marking	Yes
• UL approval	
	Ves: cl.II. us_listed (III 508 CSA C22.2 No. 107.1) File E107250; cl.IRus_
	Yes; cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259; cURus- Recognized (UL 60950, CSA C22.2 No. 60950), File E151273, NEC class 2 (acc. to UL 1310)
CSA approval	Recognized (UL 60950, CSA C22.2 No. 60950), File E151273, NEC class 2
CSA approval EAC approval	Recognized (UL 60950, CSA C22.2 No. 60950), File E151273, NEC class 2 (acc. to UL 1310) Yes; cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259; cURus- Recognized (UL 60950, CSA C22.2 No. 60950), File E151273, NEC class 2
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• EAC approval	Recognized (UL 60950, CSA C22.2 No. 60950), File E151273, NEC class 2 (acc. to UL 1310) Yes; cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259; cURus- Recognized (UL 60950, CSA C22.2 No. 60950), File E151273, NEC class 2 (acc. to UL 1310) Yes
EAC approval NEC Class 2	Recognized (UL 60950, CSA C22.2 No. 60950), File E151273, NEC class 2 (acc. to UL 1310) Yes; cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259; cURus- Recognized (UL 60950, CSA C22.2 No. 60950), File E151273, NEC class 2 (acc. to UL 1310) Yes Yes; according to UL1310, File E151273
EAC approval NEC Class 2 SEMI F47	Recognized (UL 60950, CSA C22.2 No. 60950), File E151273, NEC class 2 (acc. to UL 1310) Yes; cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259; cURus- Recognized (UL 60950, CSA C22.2 No. 60950), File E151273, NEC class 2 (acc. to UL 1310) Yes Yes; according to UL1310, File E151273
EAC approval NEC Class 2 SEMI F47 type of certification	Recognized (UL 60950, CSA C22.2 No. 60950), File E151273, NEC class 2 (acc. to UL 1310) Yes; cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259; cURus- Recognized (UL 60950, CSA C22.2 No. 60950), File E151273, NEC class 2 (acc. to UL 1310) Yes Yes; according to UL1310, File E151273 Yes
 EAC approval NEC Class 2 SEMI F47 type of certification CB-certificate MTBF at 40 °C 	Recognized (UL 60950, CSA C22.2 No. 60950), File E151273, NEC class 2 (acc. to UL 1310) Yes; cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259; cURus- Recognized (UL 60950, CSA C22.2 No. 60950), File E151273, NEC class 2 (acc. to UL 1310) Yes Yes; according to UL1310, File E151273 Yes
 EAC approval NEC Class 2 SEMI F47 type of certification CB-certificate MTBF at 40 °C standards, specifications, approvals hazardous environments 	Recognized (UL 60950, CSA C22.2 No. 60950), File E151273, NEC class 2 (acc. to UL 1310) Yes; cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259; cURus- Recognized (UL 60950, CSA C22.2 No. 60950), File E151273, NEC class 2 (acc. to UL 1310) Yes Yes; according to UL1310, File E151273 Yes
 EAC approval NEC Class 2 SEMI F47 type of certification CB-certificate MTBF at 40 °C 	Recognized (UL 60950, CSA C22.2 No. 60950), File E151273, NEC class 2 (acc. to UL 1310) Yes; cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259; cURus- Recognized (UL 60950, CSA C22.2 No. 60950), File E151273, NEC class 2 (acc. to UL 1310) Yes Yes; according to UL1310, File E151273 Yes

	N.
• ATEX	No
ULhazloc approval	No
 cCSAus, Class 1, Division 2 	No
FM registration	No
standards, specifications, approvals marine classification	
shipbuilding approval	Yes
Marine classification association	
 American Bureau of Shipping Europe Ltd. (ABS) 	Yes
 French marine classification society (BV) 	Yes
 Det Norske Veritas (DNV) 	Yes
 Lloyds Register of Shipping (LRS) 	Yes
standards, specifications, approvals Environmental Product De	claration
Environmental Product Declaration	Yes
global warming potential [CO2 eq]	
total	94.5 kg
 during manufacturing 	1.3 kg
 during operation 	93.1 kg
after end of life	0.05 kg
ambient conditions	
ambient temperature	
during operation	-25 +70 °C; with natural convection
during transport	-40 +85 °C
during storage	-40 +85 °C
environmental category according to IEC 60721	Climate class 3K3, 5 95% no condensation
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 	+, -: 1 screw terminal each for 0.5 2.5 mm²
 for auxiliary contacts 	
mechanical data	
width × height × depth of the enclosure	18 × 90 × 53 mm
installation width × mounting height	18 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
DIN-rail mounting	Yes
S7 rail mounting	No
wall mounting	Yes
housing can be lined up	Yes
net weight	0.07 kg
further information internet links	
internet link	
• to website: Industry Mall	https://mall.industry.siemens.com
 to web page: selection aid TIA Selection Tool 	https://www.siemens.com/tstcloud
• to web page: power supplies	https://siemens.com/sitop
• to website: CAx-Download-Manager	https://siemens.com/cax
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/cert. (V4.7)

Version

Classification

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 Approva	al				
		6	Manufacturer Declara-	Declaration of Con-	
СВ	CB GB		tion	formity	UK CA
CB	CB	(SP)	tion	<u>formity</u>	ČÀ
	CB	(SP)	tion	formity Maritime application	ČÀ
CB	CB	ECM RCM	tion Miscellaneous	<u>formity</u>	
CB General Product Approva	CB	Environment	tion	formity Maritime application	BUREAU
CB General Product Approva C C EG-Konf.	CB	Environment Epperature	tion	formity Maritime application	BUREAU

last modified:

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