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

input		
type of the power supply network	1-phase AC or DC	
supply voltage at AC		
minimum rated value	100 V	
maximum rated value	240 V	
initial value	85 V	
• full-scale value	264 V	
input voltage at DC	110 300 V	
wide range input	Yes	
overvoltage overload capability	300 V AC for 1 s	
buffering time for rated value of the output current in the event of power failure minimum	40 ms	
operating condition of the mains buffering	at Vin = 187 V	
line frequency	50/60 Hz	
line frequency	47 63 Hz	
input current		
 at rated input voltage 120 V 	0.3 A	
 at rated input voltage 230 V 	0.2 A	
current limitation of inrush current at 25 °C maximum	20 A	
I2t value maximum	0.8 A ² ·s	
fuse protection type	internal	
fuse protection type in the feeder	Recommended miniature circuit breaker: from 6 A characteristic B or from 2 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	3 %	
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	200 mV	
• typical	30 mV	
voltage peak		
maximum	300 mV	
• typical	50 mV	
display version for normal operation	Green LED for output voltage OK	
allowary to to the frontial operation	5.55 225 for output foliage of	

hohavior of the output valtage when quitables as	No aversheet of Vout (noft start)	
behavior of the output voltage when switching on	No overshoot of Vout (soft start)	
response delay maximum voltage increase time of the output voltage	0.5 s	
	100 ms	
• typical	100 1115	
output current	0.6.4	
• 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	0.014	
during no-load operation maximum	0.3 W	
closed-loop control		
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	2 %	
resistive load 10/90/10 % typical		
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	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	
	0.8 A No	
maximum		
maximum measuring point for output current		
maximum measuring point for output current safety	No	
maximum measuring point for output current safety galvanic isolation between input and output	No Yes	
maximum measuring point for output current safety galvanic isolation between input and output galvanic isolation	Yes Safety extra-low output voltage Uout acc. to EN 60950-1 and EN 50178	
maximum measuring point for output current safety galvanic isolation between input and output galvanic isolation operating resource protection class	Yes Safety extra-low output voltage Uout acc. to EN 60950-1 and EN 50178 Class II (without protective conductor)	
maximum measuring point for output current safety galvanic isolation between input and output galvanic isolation operating resource protection class protection class IP	Yes Safety extra-low output voltage Uout acc. to EN 60950-1 and EN 50178 Class II (without protective conductor)	
maximum measuring point for output current safety galvanic isolation between input and output galvanic isolation operating resource protection class protection class IP EMC	Yes Safety extra-low output voltage Uout acc. to EN 60950-1 and EN 50178 Class II (without protective conductor)	
maximum measuring point for output current safety galvanic isolation between input and output galvanic isolation operating resource protection class protection class IP EMC standard	Yes Safety extra-low output voltage Uout acc. to EN 60950-1 and EN 50178 Class II (without protective conductor) IP20 EN 55022 Class B	
maximum measuring point for output current safety galvanic isolation between input and output galvanic isolation operating resource protection class protection class IP EMC standard • for emitted interference	Yes Safety extra-low output voltage Uout acc. to EN 60950-1 and EN 50178 Class II (without protective conductor) IP20	
maximum measuring point for output current safety galvanic isolation between input and output galvanic isolation operating resource protection class protection class IP EMC standard for emitted interference for mains harmonics limitation	Yes Safety extra-low output voltage Uout acc. to EN 60950-1 and EN 50178 Class II (without protective conductor) IP20 EN 55022 Class B not applicable	
maximum measuring point for output current safety galvanic isolation between input and output galvanic isolation operating resource protection class protection class IP EMC standard • for emitted interference • for mains harmonics limitation • for interference immunity standards, specifications, approvals	Yes Safety extra-low output voltage Uout acc. to EN 60950-1 and EN 50178 Class II (without protective conductor) IP20 EN 55022 Class B not applicable	
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maximum measuring point for output current safety galvanic isolation between input and output galvanic isolation operating resource protection class protection class IP EMC standard • for emitted interference • for mains harmonics limitation • for interference immunity standards, specifications, approvals certificate of suitability • CE marking • UL approval	Yes Safety extra-low output voltage Uout acc. to EN 60950-1 and EN 50178 Class II (without protective conductor) IP20 EN 55022 Class B not applicable EN 61000-6-2 Yes 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; cULus-Listed (UL 508, CSA C22.2 No. 60950), File E151273, NEC class 2 Recognized (UL 60950, CSA C22.2 No. 60950), File E151273, NEC class 2	
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Environmental Product Declaration global warming potential [CO2 eq] • total • during manufacturing • during operation • after end of life • 0.05 kg mbient conditions ambient emperature • during operation • during transport • during transport • during storage • a tinput • a toutput • for auxiliary contacts • for auxiliary contacts width × height × depth of the enclosure installation width × mounting height • for auxiliary contacts • 18 × 90 × 53 mm installation width × mounting height • 18 mm × 130 mm required spacing • top • bottom • left • O mm • Snaps onto DIN rail EN 60715 35x7.5/15, direct mounting in different mour positions • DIN-rail mounting • Yes • Sr rail mounting • Yes • Nousing can be lined up • wall mounting • wall mounting • we wall mounting • to we bage: selection aid TIA Selection Tool • to web page: power supplies • to we bastic: Industry Mall • to we bage: selection aid TIA Selection Tool • to web page: power supplies • to we bastic: CAx-Download-Manager • to we bostic: Industry Online Support • https://www.siemens.com/istool • to we bage: industry Online Support • https://support.industry.siemens.com	, , ,			
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Siemens provides products and solutions with industrial cybersecurity functions that support the secure operation of plants, systems, machines and networks against cyber threats, it is necessary to implement – and continuously maintain – a holist state-of-the-art industrial cybersecurity concept. Siemens' products and solutions constitute one element of such a concept. Customers are respon for preventing unauthorized access to their plants, systems, machines and networks. Such systems, machines and components should only be connected.	fastening method • DIN-rail mounting • S7 rail mounting • wall mounting housing can be lined up net weight further information internet links internet link • to website: Industry Mall • to web page: selection aid TIA Selection Tool • to web page: power supplies • to website: CAx-Download-Manager • to website: Industry Online Support additional information other information security information	Snaps onto DIN rail EN 60715 35x7.5/15, direct mounting in different mounting positions Yes No Yes Yes 0.07 kg https://mall.industry.siemens.com https://www.siemens.com/tstcloud https://siemens.com/sitop https://siemens.com/cax https://support.industry.siemens.com Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)		

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)

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







Manufacturer Declaration Declaration of Conformity



General Product Approval







Miscellaneous



Maritime application



Maritime application

Environment







last modified:

4/4/2025