6EP3331-6SB00-0AY0

Data sheet



LOGO!Power/1AC/24VDC/1.3A

LOGO! POWER 24 V / 1.3 A stabilized power supply input: 100-240 V AC output: 24 V DC / 1.3 A

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 	0.7 A		
 at rated input voltage 230 V 	0.35 A		
current limitation of inrush current at 25 °C maximum	25 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		
utput			
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	Yes; via potentiometer		
adjustable output voltage	22.2 26.4 V		
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		
• typical			
· ·			
voltage peak • maximum	300 mV		

display version for normal operation	Green LED for output voltage OK	
display version for normal operation 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	0.3 \$	
typical	100 ms	
7.	100 1115	
output current	12 /	
• rated range	1.3 A	
rated range	0 1.3 A; +55 +70 °C: Derating 2%/K	
supplied active power typical	31.2 W	
bridging of equipment	Yes	
number of parallel-switched equipment resources for increasing the power	2	
efficiency		
efficiency in percent	86 %	
power loss [W]		
 at rated output voltage for rated value of the output current typical 	5.1 W	
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 resistive load 10/90/10 % typical	1 %	
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	1.7 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	1.7 A	
measuring point for output current	Yes; 50 mV =^ 1.3 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		
Standalu		
for emitted interference	EN 55022 Class B	
• for emitted interference	EN 55022 Class B not applicable EN 61000-6-2	
for emitted interferencefor mains harmonics limitation	not applicable	
 for emitted interference for mains harmonics limitation for interference immunity standards, specifications, approvals 	not applicable	
for emitted interference for mains harmonics limitation for interference immunity standards, specifications, approvals certificate of suitability	not applicable	
 for emitted interference for mains harmonics limitation for interference immunity standards, specifications, approvals 	rot 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	
for emitted interference for mains harmonics limitation for interference immunity standards, specifications, approvals certificate of suitability CE marking	not applicable EN 61000-6-2 Yes Yes; cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259; cURus-	
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for emitted interference for mains harmonics limitation for interference immunity standards, specifications, approvals certificate of suitability CE marking UL approval CSA approval EAC approval NEC Class 2 SEMI F47	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. 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	
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MTBF at 40 °C	3 094 996 h
standards, specifications, approvals hazardous environments	
certificate of suitability	
• IECEx	No
• 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 Dec	claration
Environmental Product Declaration	Yes
global warming potential [CO2 eq]	
• total	141.9 kg
during manufacturing	2.3 kg
during operation	139.5 kg
after end of life	0.08 kg
ambient conditions	
ambient temperature	
during operation	-25 +70; with natural convection
during transport	-40 +85
during storage	-40 +85
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 mm ²
for auxiliary contacts	•
mechanical data	
width × height × depth of the enclosure	36 × 90 × 53 mm
installation width × mounting height	36 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	0.12 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	On effection of standard involves the standa
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)

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Version	Classification
14	27-04-07-01
12	27-04-07-01
9.1	27-04-07-01
9	27-04-07-01
8	27-04-90-02
7.1	27-04-90-02
6	27-04-90-02
9	EC002540
8	EC002540
7	EC002540
4	4130
15	39-12-10-04
	14 12 9.1 9 8 7.1 6 9 8 7

Approvals Certificates

General Product Approval







Manufacturer Declaration Declaration of Conformity



General Product Approval

Marine / Shipping







BIS CRS





Marine / Shipping

Environment







last modified:

12/22/2024