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

nput		
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 40 ms	
buffering time for rated value of the output current in the event of power failure minimum		
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 A²·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	Yes; via potentiometer	
adjustable output voltage		
aujactario output rottugo	22 2 26 4 V	
relative overall tolerance of the voltage	22.2 26.4 V	
relative overall tolerance of the voltage	22.2 26.4 V 3 %	
relative control precision of the output voltage	3 %	
relative control precision of the output voltage • on slow fluctuation of input voltage	0.1 %	
relative control precision of the output voltage on slow fluctuation of input voltage on slow fluctuation of ohm loading	3 %	
relative control precision of the output voltage • on slow fluctuation of input voltage • on slow fluctuation of ohm loading residual ripple	3 % 0.1 % 0.1 %	
relative control precision of the output voltage on slow fluctuation of input voltage on slow fluctuation of ohm loading residual ripple maximum	3 % 0.1 % 0.1 % 200 mV	
relative control precision of the output voltage on slow fluctuation of input voltage on slow fluctuation of ohm loading residual ripple maximum typical	3 % 0.1 % 0.1 %	
relative control precision of the output voltage on slow fluctuation of input voltage on slow fluctuation of ohm loading residual ripple maximum	3 % 0.1 % 0.1 % 200 mV	

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display version for normal operation	Green LED for output voltage OK	
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	400	
• typical	100 ms	
output current	404	
• rated value	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	2	
the power efficiency		
	86 %	
efficiency in percent	00 %	
power loss [W] • at rated output voltage for rated value of the output	5.1 W	
current typical	5.1 VV	
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 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		
• 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	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	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)	
EAC approval	Yes	
• NEC Class 2	Yes; according to UL1310, File E151273	
• SEMI F47	Yes	
type of certification		
• BIS	Yes; R-41188271	
CB-certificate	Yes	

### Standards, specifications, approvals hazardous environments certificate of suitability	
certificate of suitability • IECEX No • ATEX No • ULhazloc approval No • CGSAus, Class 1, Division 2 No • FM registration No standards, specifications, approvals marine classification No standards, specifications, approvals marine classification 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 * Lloyds Register of Shipping (LRS) Yes * standards, specifications, approvals Environmental Product Declaration Environmental Product Declaration Yes Global Warming Potential (CO2 eq) • Iotal • Iotal 162 kg • during operation 199 kg • during operation 199 kg • during operation -25 +70; with natural convection • during operation -40 +85 • during operation -40 +85 • during operation -25 +70; with natur	
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required spacing ● top 20 mm	
• 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 mopositions	unting
• standard 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: selection and the detection for https://siemens.com/cax	
• to website: Industry Online Support https://support.industry.siemens.com	
additional information	
	aless
other information Specifications at rated input voltage and ambient temperature +25 °C (un otherwise specified)	11622
security information	
security information Siemens provides products and solutions with industrial cybersecurity fu	nctions
that support the secure operation of plants, systems, machines and networks against cybe threats, it is necessary to implement – and continuously maintain – a hol	orks. r

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	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

Marine / Shipping





BIS CRS







Marine / Shipping

Environment





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11/19/2024

