## SIEMENS

## Data sheet

## 6EP3331-6SB00-0AY0



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 \*Ex approval no longer available\*

Input	
type of the power supply network	1-phase AC or DC
supply voltage at AC	
minimum rated value	100 V
<ul> <li>maximum rated value</li> </ul>	240 V
• initial value	85 V
• full-scale value	264 V
input voltage	
• at DC	110 300 V
design of input wide range input	Yes
overvoltage overload capability	300 V AC for 1 s
operating condition of the mains buffering	at Vin = 187 V
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	
• 1 rated value	50 Hz
• 2 rated value	60 Hz
line frequency	47 63 Hz
input current	
<ul> <li>at rated input voltage 120 V</li> </ul>	0.7 A
<ul> <li>at rated input voltage 230 V</li> </ul>	0.35 A
current limitation of inrush current at 25 °C maximum	25 A
I2t value maximum	0.8 A <sup>2</sup> ·s
fuse protection type	internal
• 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
relative overall tolerance of the voltage	3 %
relative control precision of the output voltage	
<ul> <li>on slow fluctuation of input voltage</li> </ul>	0.1 %
<ul> <li>on slow fluctuation of ohm loading</li> </ul>	0.1 %
residual ripple	
• maximum	200 mV
• typical	30 mV
voltage peak	
• maximum	300 mV

- turicol	50 m)/
• typical	50 mV
adjustable output voltage	22.2 26.4 V
product function output voltage adjustable	Yes
type of output voltage setting	via potentiometer
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	
• 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
product feature	
bridging of equipment	Yes
number of parallel-switched equipment resources for increasing the power	2
Efficiency	
efficiency in percent	86 %
power loss [W]	
<ul> <li>at rated output voltage for rated value of the output current typical</li> </ul>	5.1 W
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	1 %
resistive load 10/90/10 % typical	1 /0
setting time	1 ma
load step 10 to 90% typical	1 ms
load step 90 to 10% typical Protection and monitoring	1 ms
	Ver energies to EN 00050.4
design of the overvoltage protection	Yes, according to EN 60950-1
design of the overvoltage protection <ul> <li>typical</li> </ul>	1.7 A
design of the overvoltage protection • typical property of the output short-circuit proof	1.7 A Yes
design of the overvoltage protection • typical property of the output short-circuit proof design of short-circuit protection	1.7 A
design of the overvoltage protection • typical property of the output short-circuit proof design of short-circuit protection enduring short circuit current RMS value	1.7 A Yes Constant current characteristic
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type of certification CB-certificate	Yes
certificate of suitability	
EAC approval	Yes
type of certification BIS	Yes
certificate of suitability shipbuilding approval	Yes
shipbuilding approval	ABS, BV, DNV GL, LRS
Marine classification association	
<ul> <li>American Bureau of Shipping Europe Ltd. (ABS)</li> </ul>	Yes
French marine classification society (BV)	Yes
• DNV GL	Yes
Lloyds Register of Shipping (LRS)	Yes
<ul> <li>Nippon Kaiji Kyokai (NK)</li> </ul>	No
EMC	
standard	
for emitted interference	EN 55022 Class B
for mains harmonics limitation	not applicable
for interference immunity	EN 61000-6-2
nvironmental conditions	
ambient temperature	
during operation	-25 +70 °C; with natural convection
	-40 +85 °C
during transport	-40 +85 °C
ouring storage environmental category according to IEC 60721	Climate class 3K3, 5 95% no condensation
type of electrical connection	screw-type terminals
• 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 <sup>2</sup>
for auxiliary contacts	-
width of the enclosure	36 mm
height of the enclosure	90 mm
depth of the enclosure	53 mm
required spacing	
• top	20 mm
• bottom	20 mm
• left	0 mm
● right	0 mm
net weight	0.12 kg
product feature of the enclosure housing can be lined up	Yes
fastening method	Snaps onto DIN rail EN 60715 35x7.5/15, direct mounting in different mounting positions
MTBF at 40 °C	3 094 996 h
other information	Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)

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