6EP3322-6SB00-0AY0

Data sheet



LOGO!Power/1AC/12VDC/4.5A

LOGO! Power 12 V / 4.5 A stabilized power supply input: 100-240 V AC output: 12 V DC / 4.5 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	100 240 V	
supply voltage at AC maximum rated value		
supply voltage at AC initial value	85 264 V	
supply voltage at AC full-scale value		
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 initial value	47 63 Hz	
line frequency full-scale value		
input current		
• at rated input voltage 120 V	1.13 A	
• at rated input voltage 230 V	0.61 A	
current limitation of inrush current at 25 °C maximum	50 A	
I2t value maximum	3 A ² ·s	
fuse protection type	internal	
fuse protection type in the feeder	Recommended miniature circuit breaker: from 10 A characteristic B or from 6 A characteristic C	
output		
voltage curve at output	Controlled, isolated DC voltage	
output voltage at DC rated value	12 V	
output voltage		
at output 1 at DC rated value	12 V	
output voltage adjustable	Yes; via potentiometer	
adjustable output voltage initial value	10.5 V	
adjustable output voltage full-scale value	16.1 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	
voltage peak		
• maximum	300 mV	

• typical	50 mV		
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	0.0 8		
typical	100 ms		
output current	100 1110		
• rated value	4.5 A		
• rated range	0 4.5 A; +55 +70 °C: Derating 2%/K		
supplied active power typical	54 W		
bridging of equipment	Yes		
number of parallel-switched equipment resources for increasing	2		
the power	2		
efficiency in percent	87.1 %		
power loss [W]			
 at rated output voltage for rated value of the output current typical 	8 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	4 %		
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		
 response value current limitation typical 	5 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	5 A		
measuring point for output current	Yes; 50 mV =^ 4.5 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		
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-		
• Ос арргочаг	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			
CB-certificate	Yes		
MTBF at 40 °C	2 566 680 h		
standards, specifications, approvals hazardous environments			

-	
No	
Yes	
Yes	
Yes	
Yes	
Yes	
claration	
Yes	
254.5 kg	
3.9 kg	
250.3 kg	
0.13 kg	
-25 +70 °C; with natural convection	
-40 +85 °C	
-40 +85 °C	
Climate class 3K3, 5 95% no condensation	
screw-type terminals	
L, N: 1 screw terminal each for 0.5 2.5 mm2 single-core/finely stranded	
+, -: 1 screw terminal each for 0.5 2.5 mm ²	
r, 1 Solow terminal ederrior 0.5 2.5 min	
54 × 90 × 53 mm	
54 × 130 mm	
54 ^ 130 IIIII	
20	
20 mm	
20 mm	
0 mm	
0 mm	
Snaps onto DIN rail EN 60715 35x7.5/15, direct mounting in different mounting positions	
Yes	
No	
Yes	
Yes	
0.2 kg	
0.2 Ng	
Specifications at rated input voltage and ambient temperature +25 °C (unless	
otherwise specified)	
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Classifications

	Version	Classification
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

CB





Manufacturer Declaration Declaration of Conformity



General Product Approval

For use in hazardous locations









<u>FM</u>

CCC-Ex

Marine / Shipping











Environment

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