SIEMENS

Data sheet

6EP3332-6SB00-0AY0



LOGO!Power/1AC/24VDC/2.5A

LOGO!Power 24 V / 2.5 A stabilized power supply input: 100-240 V AC output: 24 V DC/ 2.5 A *Ex approval no longer available*

Input	
Input	1-phase AC or DC
Rated voltage value Vin rated	100 240 V
Voltage range AC	85 264 V
input voltage	
• at DC	110 300 V
Wide-range input	Yes
Overvoltage resistance	300 V AC for 1 s
Mains buffering	at Vin = 187 V
Mains buffering at lout rated, min.	40 ms; at Vin = 187 V
Rated line frequency 1	50 Hz
Rated line frequency 2	60 Hz
Rated line range	47 63 Hz
input current	
 at rated input voltage 120 V 	1.22 A
 at rated input voltage 230 V 	0.66 A
Switch-on current limiting (+25 °C), max.	52 A
l²t, max.	3 A ² ·s
Built-in incoming fuse	internal
Protection in the mains power input (IEC 898)	Recommended miniature circuit breaker: from 10 A characteristic B or from 6 A characteristic C
Output	
Output	Controlled, isolated DC voltage
Rated voltage Vout DC	24 V
 output voltage at output 1 at DC rated value 	24 V
Total tolerance, static ±	3 %
Static mains compensation, approx.	0.1 %
Static load balancing, approx.	0.1 %
Residual ripple peak-peak, max.	200 mV
Residual ripple peak-peak, typ.	30 mV
Spikes peak-peak, max. (bandwidth: 20 MHz)	300 mV
Spikes peak-peak, typ. (bandwidth: 20 MHz)	50 mV
Adjustment range	22.2 26.4 V
product function output voltage adjustable	Yes
Output voltage setting	via potentiometer
Status display	Green LED for output voltage OK
On/off behavior	No overshoot of Vout (soft start)
Startup delay, max.	0.5 s
Voltage rise, typ.	100 ms

Rated current value lout rated	2.5 A	
Current range	0 2.5 A	
Note	+55 +70 °C: Derating 2%/K	
supplied active power typical	60 W	
Parallel switching for enhanced performance	Yes	
Numbers of parallel switchable units for enhanced	2	
performance		
Efficiency		
Efficiency at Vout rated, lout rated, approx.	90 %	
Power loss at Vout rated, lout rated, approx.	7 W	
power loss [W] during no-load operation maximum	0.3 W	
Closed-loop control		
Dynamic mains compensation (Vin rated ±15 %), max.	0.2 %	
Dynamic load smoothing (lout: 10/90/10 %), Uout ± typ.	2 %	
Load step setting time 10 to 90%, typ.	1 ms	
Load step setting time 90 to 10%, typ.	1 ms	
Protection and monitoring		
Output overvoltage protection	Yes, according to EN 60950-1	
Current limitation, typ.	3.2 A	
property of the output short-circuit proof	Yes	
Short-circuit protection	Constant current characteristic	
enduring short circuit current RMS value		
• maximum	3.2 A	
overcurrent overload capability in normal operation	overload capability 150% lout rated typ. 200 ms	
Overload/short-circuit indicator	-	
measuring point for output current	50 mV =^ 2.5 A	
overcurrent overload capability when switching on	150% lout rated typ. 200 ms	
Safety		
Primary/secondary isolation	Yes	
galvanic isolation	Safety extra-low output voltage Uout acc. to EN 60950-1 and EN 50178	
Protection class	Class II (without protective conductor)	
Degree of protection (EN 60529)	IP20	
Approvals		
CE mark	Yes	
UL/cUL (CSA) approval	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)	
certificate of suitability NEC Class 2	Yes	
CB approval	Yes	
certificate of suitability EAC approval	Yes	
Marine approval	ABS, BV, DNV GL, LRS	
EMC		
Emitted interference	EN 55022 Class B	
Supply harmonics limitation	not applicable	
Noise immunity	EN 61000-6-2	
environmental conditions		
ambient temperature		
during operation	-25 +70 °C	
— Note	with natural convection	
during transport	-40 +85 °C	
during storage	-40 +85 °C	
Humidity class according to EN 60721	Climate class 3K3, 5 95% no condensation	
Mechanics		
Connection technology	screw-type terminals	
Connections		
Supply input	L, N: 1 screw terminal each for 0.5 2.5 mm2 single-core/finely stranded	
Output	+, -: 1 screw terminal each for 0.5 2.5 mm ²	
Auxiliary	-	
width of the enclosure	54 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
Weight, approx.	0.2 kg
product feature of the enclosure housing can be lined up	Yes
Installation	Snaps onto DIN rail EN 60715 35x7.5/15, direct mounting in different mounting positions
MTBF at 40 °C	2 864 520 h
other information	Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)

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