SIEMENS

Product data sheet 6EP1332-1SH31



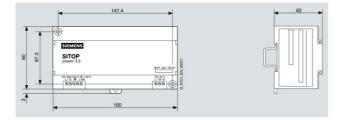
SITOP POWER 3.5, UNIVERSAL LINE STABILIZED POWER SUPPLY INPUT: 120/230 V AC OUTPUT: 24 V DC/3.5 A S7-200 DESIGN

Technical specifications		
Product	SITOP power	
Power supply, type	24 V/3.5 A	
Input		
Input	1-phase AC	
Supply voltage / 1 / at AC / nominal value	120 V	
Supply voltage / 2 / at AC / nominal value	230 V	
Voltage range		
• Note	Set via wire jumper	
Input voltage / 1 / at AC	93 132 V	
Input voltage / 2 / at AC	187 264 V	
Wide-range input	No	
Overvoltage resistance	2.3 x Vin rated, 1.3 ms	
Mains buffering at lout rated, min.	20 ms	
Mains buffering	at Vin = 187 V	
Rated line frequency	50 / 60 Hz	
Rated line range	47 63 Hz	
Input current / at nominal level of the input voltage 120 V	1.65 A	
Input current / at nominal level of the input voltage 230 V	0.95 A	
Switch-on current limiting (+25 °C), max.	33 A	
Duration of current limiting / at 25 °C / maximum	3 ms	

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I²t, max.	1 A ² ·s
Built-in incoming fuse	T 2.5 A/250 V (not accessible)
Protection in the mains power input (IEC 898)	Recommended: 2-pole miniature circuit breaker from 10 A, characteristic C, or from 6 A, characteristic D
Output	
Output	Controlled, isolated DC voltage
Rated voltage Vout DC	24 V
Total tolerance, static ±	5 %
Static mains compensation, approx.	0.1 %
Static load balancing, approx.	0.2 %
Residual ripple peak-peak, max.	150 mV
Residual ripple peak-peak, typ.	30 mV
Spikes peak-peak, max. (bandwidth: 20 MHz)	240 mV
Spikes peak-peak, typ. (bandwidth: 20 MHz)	110 mV
Product feature / output voltage adjustable	No
Output voltage setting	-
Status display	r.
On/off behavior	No overshoot of Vout (soft start)
Startup delay, max.	1 s
Voltage rise, typ.	80 ms
Rated current value lout rated	3.5 A
Current range	0 3.5 A
delivered active power / typ.	84 W
short-term overload current / at short-circuit during run-up / typical	5 A
Duration of overloading ability for excess current / on short-circuiting during the start-up	100 ms
short-term overload current / at short-circuit during operation / typical	5 A
Duration of overloading ability for excess current / on short-circuiting during the operational phase	100 ms
Parallel switching for enhanced performance	Yes
Numbers of parallel switchable units for enhanced performance	5
Efficiency	
Efficiency at Vout rated, lout rated, approx.	84 %
Power loss at Vout rated, lout rated, approx.	16 W
Closed-loop control	
Dynamic mains compensation (Vin rated ±15 %), max.	0.3 %
Dynamic load smoothing (lout: 50/100/50 %), Uout ± typ.	3 %
Setting time / maximum	5 ms
Protection and monitoring	
Output overvoltage protection	Yes, according to EN 60950

Characteristic feature of the output / short-circuit protected Short-circuit protection Constant current characteristic up to typ. 14 V, electronic shelow that, automatic restant Enduring short circuit current / Effective level / maximum 4 A Overload/short-circuit indicator Safety Primary/secondary isolation Potential separation Potential separation Protection class Class I stray current / maximum 3.5 mA CE mark Ves UL/CSA approval Ves UL/CSA) approval UL/CUL (CSA) approval CB approval CB approval CB approval No Marine approval Degree of protection (EN 60529) EMC Emitted interference EN 55022 Class B Supply harmonics limitation Noise immunity EN 61000-6-2 Operating data Ambient temperature / in operation • Note Marbient temperature / in operation • Note Ambient temparature / on transport 40 +85 °C	
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Ambient temperature / in operation 0 60 °C • Note with natural convection	
• Note with natural convection	
Ambient temperature / on transport	
Ambient temperature / on transport	
Ambient temparature / in storage -40 +85 °C	
Humidity class according to EN 60721 Climate class 3K3, no condensation	
Mechanics	
Connection technology screw-type terminals	
Connections / Supply input L, N, PE: 1 screw terminal each for 0.5 1.5 mm² single-co stranded	re/finely
Connections / Output L+: 1 screw terminal for 0.5 1 mm²; M: 2 screw terminals f	or 0.5
Connections / Auxiliary -	
Width / of the housing 160 mm	
Height / of the housing 80 mm	
Depth / of the housing 62 mm	
Installation width 160 mm	

Mounting height	280 mm
Weight, approx.	0.5 kg
Product feature / of the housing / housing for side-by-side mounting	Yes
Type of mounting / wall mounting	Yes
Type of fixing / cap rail mounting	Yes
Type of mounting / S7-300 rail mounting	No
Installation	Snaps onto DIN rail EN 60715 35x7.5/15, wall mounting
Other information	Specifications at rated input voltage and ambient temperature +25



Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)

letzte Änderung:

Jul 25, 2012