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Data sheet 6EP3323-0SA00-0BY0

SITOP PSU3600 DUAL 2X 15 V/3,5 A
SITOP PSU3600 dual stabilized power supply Input: 120-230 V AC
Output: 15 V/3,5 A 2x DC two potential-free outputs

Input	
Input	1-phase AC or DC
Rated voltage value Vin rated	120 ... 230 V
Voltage range AC	85 ... 264 V
• Note	Derating at < 110 V AC/DC: output power max. 100 W
Input voltage	
• at DC	88 ... 250 V
Wide-range input	Yes
Mains buffering	at Vin = 120 V, 40 ms at Vin = 187 V
Mains buffering at Iout rated, min.	10 ms; at Vin = 120 V, 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	2.2 A
• at rated input voltage 230 V	1.3 A
• at rated input voltage 110 V	1.3 A
• at rated input voltage 220 V	0.7 A
Switch-on current limiting (+25 °C), max.	35 A

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I^2t, max.	1 $A^2 \cdot s$
Built-in incoming fuse	T 3.15 A (not accessible)
Protection in the mains power input (IEC 898)	Recommended miniature circuit breaker: 6-10 A characteristic C

Output	
Output	Controlled, isolated DC voltage
Number of outputs	2
Rated voltage Vout DC	15 V
Output voltage	2 x 15 V DC
• at output 1 at DC Rated value	15 V
• at output 2 at DC Rated value	15 V
Total tolerance, static ±	1 %
Static mains compensation, approx.	0.1 %
Static load balancing, approx.	1 %
Residual ripple peak-peak, max.	50 mV
Spikes peak-peak, max. (bandwidth: 20 MHz)	150 mV
Adjustment range	12 ... 28 V
Product function Output voltage adjustable	Yes
Output voltage setting	via potentiometer per output
Status display	Green LED grün for Vout >10 V (summation display)
Signaling	-
On/off behavior	Overshoot of Vout < 1 %
Startup delay, max.	0.5 s
Rated current value Iout rated	3.5 A
Output current	
• at output 1 Rated value	3.5 A
• at output 2 Rated value	3.5 A
Current range	0 ... 3.5 A
• Note	Output power max. 60 W per output
Supplied active power typical	105 W
Parallel switching for enhanced performance	Yes
Numbers of parallel switchable units for enhanced performance	2

Efficiency	
Efficiency at Vout rated, Iout rated, approx.	88 %
Power loss at Vout rated, Iout rated, approx.	18 W

Protection and monitoring	
Output overvoltage protection	≤ 35 V
Current limitation	5 A
Current limitation	depending on the voltage setting
Property of the output Short-circuit proof	Yes
Short-circuit protection	Electronic shutdown, automatic restart
Overload/short-circuit indicator	-

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Safety	
Primary/secondary isolation	Yes
Galvanic isolation	Safety extra low output voltage Vout according to EN 60950-1
Protection class	Class I
Leakage current	
• maximum	3.5 mA
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; outputs NEC Class 2 acc. to UL 1310
Explosion protection	-
FM approval	-
CB approval	No
Marine approval	-

EMC	
Emitted interference	EN 55022 Class B
Supply harmonics limitation	EN 61000-3-2
Noise immunity	EN 61000-6-2

environmental conditions	
Ambient temperature	
• during operation	-25 ... +70 °C
— Note	Derating > 60°C: 2%/°K
• during transport	-40 ... +70 °C
• during storage	-40 ... +70 °C
Humidity class according to EN 60721	Climate class 3K3, 5 … 95% no condensation

Mechanics	
Connection technology	screw-type terminals
Connections	
• Supply input	L1, N, PE: 1 screw terminal each for 0.5 ... 2.5 mm² single-core/finely stranded
• Output	+: 1 screw terminal per output for 0.5 ... 2.5 mm²; -: 2 screw terminals per output for 0.5 ... 2.5 mm²
• Auxiliary	-
Width of the enclosure	42 mm
Height of the enclosure	125 mm
Depth of the enclosure	125 mm
Required spacing	
• top	50 mm
• bottom	50 mm
• left	0 mm

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• right	0 mm
Weight, approx.	0.55 kg
Product feature of the enclosure housing for side-by-side mounting	Yes
Installation	Snaps onto DIN rail EN 60715 35x7.5/15
Other information	Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)

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