



SITOP PSU3600 DUAL/1ACDC/2x15VDC/3.5A

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 V_{in} 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 V_{in} = 120 V, 40 ms at V_{in} = 187 V
Mains buffering at I_{out} rated, min.	10 ms; at V_{in} = 120 V, 40 ms at V_{in} = 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
I^2t , max.	1 A ² ·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 V_{out} DC	15 V
• Output voltage	2 x 15 V DC
• output voltage at output 1 at DC rated value	15 V
• output voltage 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	-
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	-
certificate of suitability NEC Class 2	Yes
FM approval	-
CB approval	No
certificate of suitability EAC approval	Yes
Regulatory Compliance Mark (RCM)	Yes
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 mm ² single-core/finely stranded
• Output	+: 1 screw terminal per output for 0.5 ... 2.5 mm ² ; -: 2 screw terminals per output for 0.5 ... 2.5 mm ²
• 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
• right	0 mm
Weight, approx.	0.55 kg
product feature of the enclosure housing can be lined up	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)

