



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	
type of the power supply network	1-phase AC or DC
supply voltage at AC	
• minimum rated value	120 V
• maximum rated value	230 V
• initial value	85 V; Derating at < 110 V AC/DC: output power max. 100 W
• full-scale value	264 V
input voltage	
• at DC	88 ... 250 V
design of input wide range input	Yes
operating condition of the mains buffering	at $V_{in} = 120\text{ V}$, 40 ms at $V_{in} = 187\text{ V}$
buffering time for rated value of the output current in the event of power failure minimum	10 ms
operating condition of the mains buffering	at $V_{in} = 120\text{ V}$, 40 ms at $V_{in} = 187\text{ V}$
line frequency	
• 1 rated value	50 Hz
• 2 rated value	60 Hz
line frequency	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
current limitation of inrush current at 25 °C maximum	35 A
I ² t value maximum	1 A ² ·s
fuse protection type	T 3.15 A (not accessible)
• in the feeder	Recommended miniature circuit breaker: 6-10 A characteristic C
Output	
voltage curve at output	Controlled, isolated DC voltage
number of outputs	2
output voltage at DC rated value	15 V
formula for output voltage	2 x 15 V DC
output voltage	
• at output 1 at DC rated value	15 V
• at output 2 at DC rated value	15 V
relative overall tolerance of the voltage	1 %
relative control precision of the output voltage	
• on slow fluctuation of input voltage	0.1 %
• on slow fluctuation of ohm loading	1 %
residual ripple	

<ul style="list-style-type: none"> • maximum 	50 mV
voltage peak	
<ul style="list-style-type: none"> • maximum 	150 mV
adjustable output voltage	12 ... 28 V
product function output voltage adjustable	Yes
type of output voltage setting	via potentiometer per output
display version for normal operation	Green LED grün for Vout >10 V (summation display)
type of signal at output	-
behavior of the output voltage when switching on	Overshoot of Vout < 1 %
response delay maximum	0.5 s
output current	
<ul style="list-style-type: none"> • rated value 	3.5 A
<ul style="list-style-type: none"> • at output 1 rated value 	3.5 A
<ul style="list-style-type: none"> • at output 2 rated value 	3.5 A
<ul style="list-style-type: none"> • rated range 	0 ... 3.5 A; Output power max. 60 W per output
supplied active power typical	105 W
product feature	
<ul style="list-style-type: none"> • bridging of equipment 	Yes
number of parallel-switched equipment resources for increasing the power	2
Efficiency	
efficiency in percent	88 %
power loss [W]	
<ul style="list-style-type: none"> • at rated output voltage for rated value of the output current typical 	18 W
Protection and monitoring	
design of the overvoltage protection	≤ 35 V
response value current limitation	5 A
design of the current limitation	depending on the voltage setting
property of the output short-circuit proof	Yes
design of short-circuit protection	Electronic shutdown, automatic restart
display version for overload and short circuit	-
Safety	
galvanic isolation between input and output	Yes
galvanic isolation	Safety extra low output voltage Vout according to EN 60950-1
operating resource protection class	Class I
leakage current	
<ul style="list-style-type: none"> • maximum 	3.5 mA
protection class IP	IP20
Approvals	
certificate of suitability	
<ul style="list-style-type: none"> • CE marking 	Yes
<ul style="list-style-type: none"> • UL approval 	Yes; cULus-listed (UL 508, CSA C22.2 No. 107.1), file E197259; outputs NEC Class 2 acc. to UL 1310
<ul style="list-style-type: none"> • CSA approval 	Yes; -
<ul style="list-style-type: none"> • cCSAus, Class 1, Division 2 	No
<ul style="list-style-type: none"> • ATEX 	No
certificate of suitability	
<ul style="list-style-type: none"> • IECEx 	No
<ul style="list-style-type: none"> • NEC Class 2 	Yes
<ul style="list-style-type: none"> • ULhazloc approval 	No
<ul style="list-style-type: none"> • FM registration 	No
type of certification CB-certificate	No
certificate of suitability	
<ul style="list-style-type: none"> • EAC approval 	Yes
<ul style="list-style-type: none"> • C-Tick 	Yes
<ul style="list-style-type: none"> • Regulatory Compliance Mark (RCM) 	Yes
certificate of suitability shipbuilding approval	No
shipbuilding approval	-
Marine classification association	
<ul style="list-style-type: none"> • American Bureau of Shipping Europe Ltd. (ABS) 	No

<ul style="list-style-type: none"> • French marine classification society (BV) 	No
<ul style="list-style-type: none"> • DNV GL 	No
<ul style="list-style-type: none"> • Lloyds Register of Shipping (LRS) 	No
<ul style="list-style-type: none"> • Nippon Kaiji Kyokai (NK) 	No
EMC	
standard	
<ul style="list-style-type: none"> • for emitted interference 	EN 55022 Class B
<ul style="list-style-type: none"> • for mains harmonics limitation 	EN 61000-3-2
<ul style="list-style-type: none"> • for interference immunity 	EN 61000-6-2
environmental conditions	
ambient temperature	
<ul style="list-style-type: none"> • during operation 	-25 ... +70 °C; Derating > 60°C: 2%/°K
<ul style="list-style-type: none"> • during transport 	-40 ... +70 °C
<ul style="list-style-type: none"> • during storage 	-40 ... +70 °C
environmental category according to IEC 60721	Climate class 3K3, 5 ... 95% no condensation
Mechanics	
type of electrical connection	screw-type terminals
<ul style="list-style-type: none"> • at input 	L1, N, PE: 1 screw terminal each for 0.5 ... 2.5 mm ² single-core/finely stranded
<ul style="list-style-type: none"> • at 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
<ul style="list-style-type: none"> • for auxiliary contacts 	-
width of the enclosure	42 mm
height of the enclosure	125 mm
depth of the enclosure	125 mm
required spacing	
<ul style="list-style-type: none"> • top 	50 mm
<ul style="list-style-type: none"> • bottom 	50 mm
<ul style="list-style-type: none"> • left 	0 mm
<ul style="list-style-type: none"> • right 	0 mm
net weight	0.55 kg
product feature of the enclosure housing can be lined up	Yes
fastening method	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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