

SITOP DUAL 2X 15 V/3.5 A
SITOP POWER 15 V DUAL OUTPUT STABILIZED POWER
SUPPLY INPUT: 120-230 V AC OUTPUT: 2X 15 V DC/3.5 A



Input	
Input	1-phase AC
Rated voltage value Vin rated	120 ... 230 V
Voltage range AC	93 ... 264 V
Wide-range input	Yes
Overvoltage resistance	Surge voltage in accordance with EN 61000-6-2 Table 4
Mains buffering at lout 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	1.9 A
• at rated input voltage 230 V	1.15 A
Switch-on current limiting (+25 °C), max.	30 A
Duration of inrush current limiting at 25 °C	
• typical	3 ms
I²t, max.	3 A²·s
Built-in incoming fuse	T 4 A/250 V (not accessible)

Protection in the mains power input (IEC 898)	Recommended miniature circuit breaker: from 10 A characteristic C or from 16 A characteristic B
Output	
Output	Controlled, isolated DC voltage
Rated voltage Vout DC	15 V
Output voltage	2 x 15 V DC
• at output 1 at DC Rated value • at output 2 at DC Rated value	15 V 15 V
Total tolerance, static $\pm$	2 %
Static mains compensation, approx.	0.2 %
Static load balancing, approx.	0.2 %
Residual ripple peak-peak, max.	50 mV
Residual ripple peak-peak, typ.	20 mV
Spikes peak-peak, max. (bandwidth: 20 MHz)	150 mV
Adjustment range	14.5 ... 17 V
Product function Output voltage adjustable	Yes
Output voltage setting	via potentiometer
Status display	Green LED grün for Vout >10 V (summation display)
Signaling	-
On/off behavior	Overshoot of Vout < 3 %
Startup delay, max.	1 s
Rated current value Iout rated	3.5 A
Output current	
• at output 1 Rated value • at output 2 Rated value	3.5 A 3.5 A
Current range	0 ... 3.5 A
• Note	+45 ... +60 °C: Derating 2%/K
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.	80 %
Power loss at Vout rated, Iout rated, approx.	27 W
Protection and monitoring	
Output overvoltage protection	Yes, according to EN 60950-1
Current limitation	4.9 A
Current limitation	Limit point < 4.9 A; switch-off point < 6 A
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 V_{out} according to EN 60950-1
Protection class	Class I
Leakage current • maximum	3.5 mA
CE mark	Yes
UL/cUL (CSA) approval	cULus-Listed (UL 508, CSA C22.2 No. 142), File E179336
Explosion protection	-
FM approval	-
CB approval	No
Marine approval	-
Degree of protection (EN 60529)	IP20

EMC

Emitted interference	EN 55011 Class A
Supply harmonics limitation	-
Noise immunity	EN 61000-6-2

Operating data

Ambient temperature • during operation — Note • during transport • during storage	0 ... 60 °C with natural convection -40 ... +70 °C -40 ... +70 °C
Humidity class according to EN 60721	Climate class 3K3, no condensation

Mechanics

Connection technology	screw-type terminals
Connections • Supply input • Output • Auxiliary	L1, N, PE: 1 screw terminal each for 0.5 ... 2.5 mm ² single-core/finely stranded P15_1, GND_1, GND_2: 1 screw terminal each for 0.5 ... 2.5 mm ² ; P15_2: 2 screw terminals for 0.5 ... 2.5 mm ² -
Width of the enclosure	75 mm
Height of the enclosure	125 mm
Depth of the enclosure	125 mm
Required spacing • top • bottom • left • right	100 mm 100 mm 0 mm 0 mm
Weight, approx.	0.75 kg
Product feature of the enclosure housing for side-by-side mounting	Yes

Installation	Snap onto DIN rail EN 60715 35x7.5/15
Other information	Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)