

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 $V_{in}$ 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 $I_{out}$ 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	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
$I^2t$ , max.	3 A <sup>2</sup> ·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
<ul style="list-style-type: none"> <li>at output 1 at DC Rated value</li> <li>at output 2 at DC Rated value</li> </ul>	15 V 15 V
Total tolerance, static ±	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	
<ul style="list-style-type: none"> <li>at output 1 Rated value</li> <li>at output 2 Rated value</li> </ul>	3.5 A 3.5 A
Current range	0 ... 3.5 A
<ul style="list-style-type: none"> <li>Note</li> </ul>	+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	0 ... 60 °C
— Note	with natural convection
• during transport	-40 ... +70 °C
• during storage	-40 ... +70 °C
Humidity class according to EN 60721	Climate class 3K3, no condensation

## Mechanics

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