



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

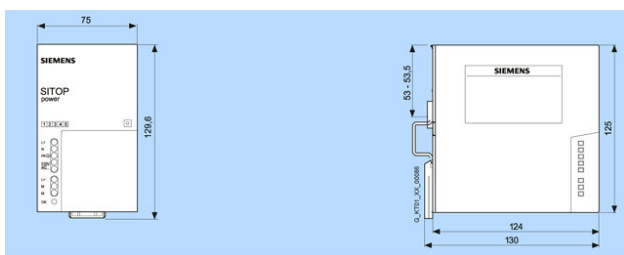
Technical specifications

Product	SITOP dual
Power supply, type	2 x 15 V/3.5 A
Input	
Input	1-phase AC
Rated voltage value V_{in} rated	120 ... 230 V
Voltage range	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
Mains buffering	at $V_{in} = 120$ V, 40 ms at $V_{in} = 187$ V
Rated line frequency	50 / 60 Hz
Rated line range	63 ... 47 Hz
Input current / at nominal level of the input voltage 120 V	1.9 A
Input current / at nominal level of the input voltage 230 V	1.15 A
Switch-on current limiting (+25 °C), max.	30 A
Duration of current limiting / at 25 °C / typical	3 ms
I^2t , max.	3 A ² ·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
Output voltage / at the output 1 / for DC / nominal value	15 V
Output voltage / at the output 2 / for DC / nominal value	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 feature / 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 the output 1 / nominal value	3.5 A
Output current / at the output 2 / nominal value	3.5 A
Current range	0 ... 3.5 A
• Note	2 x 0 ... 3.5 A up to +45 °C
delivered active power / typ.	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
Closed-loop control	
Protection and monitoring	
Output overvoltage protection	according to EN 60950
Current limitation	4.9 A
Design of the current limitation	Limit point < 4.9 A; switch-off point < 6 A
Characteristic feature of the output / short-circuit protected	Yes
Short-circuit protection	Electronic shutdown, automatic restart
Overload/short-circuit indicator	-
Safety	

Primary/secondary isolation	Yes
Potential separation	Safety extra low output voltage V_{out} according to EN 60950-1
Protection class	Class I
stray current / maximum	3.5 mA
CE mark	Yes
UL/CSA approval	Yes
UL/cUL (CSA) approval	cULus-Listed (UL 508, CSA C22.2 No. 142), File E179336
Explosion protection	-
FM approval	-
CB approval	No
Verification of suitability / C-Tick	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 / in operation	0 ... 60 °C
• Note	with natural convection
Ambient temperature / on transport	-40 ... +70 °C
Ambient temperature / in 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 ² single-core/finely stranded
Connections / Output	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
Connections / Auxiliary	-
Width / of the housing	75 mm
Height / of the housing	125 mm
Depth / of the housing	125 mm
Installation width	75 mm
Mounting height	325 mm
Weight, approx.	0.75 kg
Product feature / of the housing / housing for side-by-side mounting	Yes
Type of mounting / wall mounting	No
Type of fixing / cap rail mounting	Yes
Type of mounting / S7-300 rail mounting	No

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)



letzte Änderung:

Jul 25, 2012