

LOGO!Power/1AC/5VDC/6.3A

LOGO!Power 5 V / 6.3 A stabilized power supply input: 100-240 V AC output: 5 V DC / 6.3 A *Ex approval no longer available*

Input	Input	
Voltage range AC input voltage ■ at DC Wide-range input Yes Overvoltage resistance Mains buffering at lout rated, min. Rated line frequency 1 Rated line frequency 2 Rated line frequency 2 Rated line frequency 2 A trated input voltage 230 V ■ at rated input voltage 230 V ■ at rated input voltage 230 V ■ at rated input voltage 230 V Switch-on current limiting (+25 °C), max. Pt. max. Shill-in incoming fuse Protection in the mains power input (IEC 898) Recommended miniature circuit breaker: from 10 A characteristic B or from 6 A characteristic C Output Controlled, isolated DC voltage Rated voltage Vout DC ■ output voltage at output 1 at DC rated value Total tolerance, static ± Static mains compensation, approx. 0.1 % Static load balancing, approx. 0.1 % Residual ripple peak-peak, max. Residual ripple peak-peak, max. Residual ripple peak-peak, max. (bandwidth: 20 MHz) Spikes peak-peak, max. (bandwidth: 20 MHz) Adjustment range Output voltage setting Ves Output voltage setting Status display Green LED for output voltage OK No overshoot of Vout (soft start) Startup delay, max. 0.5 s	Input	1-phase AC or DC
input voltage	Rated voltage value Vin rated	100 240 V
● at DC 110 300 V Wide-range input Yes Overvoltage resistance 300 V AC for 1 s Mains buffering at Vin = 187 V Mains buffering at lout rated, min. 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 230 V • at rated input voltage 230 V 0.37 A Switch-on current limiting (+25 °C), max. 50 A Pr., max. 3 A²-s Built-in incoming fuse internal Protection in the mains power input (IEC 898) Recommended miniature circuit breaker: from 10 A characteristic B or from 6 A characteristic C Output Controlled, isolated DC voltage Rated voltage Vout DC 5 V • output voltage at output 1 at DC rated value 5 V Total tolerance, static ± 3 % Static mains compensation, approx. 0.1 % Static load balancing, approx. 0.1 % Static load balancing, approx. 0.1 % Residual ripple peak-peak, max. 100 mV <td>Voltage range AC</td> <td>85 264 V</td>	Voltage range AC	85 264 V
Wide-range input Yes Overvoltage resistance 300 V AC for 1 s Mains buffering at lout rated, min. 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 0.71 A • at rated input voltage 230 V 0.37 A Switch-on current limiting (+25 °C), max. 50 A I²t, max. 3 A²-s Built-in incoming fuse internal Protection in the mains power input (IEC 898) Recommended miniature circuit breaker: from 10 A characteristic B or from 6 A characteristic C Output Controlled, isolated DC voltage Rated voltage Vout DC 5 V • output voltage at output 1 at DC rated value 5 V Total tolerance, static ± 3 % Static mains compensation, approx. 0.1 % Static bad balancing, approx. 0.1 % Residual ripple peak-peak, max. 100 mV Residual ripple peak-peak, max. 100 mV Spikes peak-peak, pax, (p. dominicht: 20 MHz) 50 mV Ad 54 V yes product function	input voltage	
Overvoltage resistance Mains buffering at Vin = 187 V Mains buffering at lout rated, min. At 0 ms; at Vin = 187 V Rated line frequency 1 Rated line frequency 2 Rated line range 47 63 Hz input current • at rated input voltage 120 V • at rated input voltage 230 V Switch-on current limiting (+25 °C), max. Built-in incoming fuse Protection in the mains power input (IEC 898) Recommended miniature circuit breaker: from 10 A characteristic B or from 6 A characteristic C Output Output Controlled, isolated DC voltage Rated voltage 2 output 1 at DC rated value Total tolerance, static ± Static mains compensation, approx. Static load balancing, approx. Residual ripple peak-peak, max. Residual ripple peak-peak, max. Residual ripple peak-peak, max. (bandwidth: 20 MHz) Spikes peak-peak, max. (bandwidth: 20 MHz) Spikes peak-peak, max. (bandwidth: 20 MHz) Spikes peak-peak, max. (bandwidth: 20 MHz) Spikes peak-peak, max. (bandwidth: 20 MHz) Spikes peak-peak, max. (bandwidth: 20 MHz) Spikes peak-peak, max. (bandwidth: 20 MHz) Spikes peak-peak, max. (bandwidth: 20 MHz) Spikes peak-peak, typ. (bandwidth: 20 MHz) Spikes peak-peak, max. (bandwidth: 20 MHz) Spikes peak-peak setting Ves Output voltage setting Via potentiometer Status display Green LED for output voltage OK On/off behavior No overshoot of Vout (soft start) Startup delay, max.	• at DC	110 300 V
Mains buffering Mains buffering at lout rated, min. Rated line frequency 1 Rated line frequency 2 Rated line range 47 63 Hz input current • at rated input voltage 120 V • at rated input voltage 230 V Switch-on current limiting (+25 °C), max. 1ºt, max. Built-in incoming fuse Protection in the mains power input (IEC 898) Recommended miniature circuit breaker: from 10 A characteristic B or from 6 A characteristic C Output Controlled, isolated DC voltage Rated voltage Vout DC • output voltage at output 1 at DC rated value Total tolerance, static ± Static mains compensation, approx. Static load balancing, approx. Residual ripple peak-peak, max. Residual ripple peak-peak, kyp. Spikes peak-peak, typ. (bandwidth: 20 MHz) Spikes peak-peak, max. (bandwidth: 20 MHz) Product voltage story to voltage adjustable Yes Output voltage setting Via product function output voltage adjustable Yes Output voltage setting Via product function output voltage adjustable Onloff behavior No overshoot of Vout (soft start) Startup delay, max. 0.5 on Hz Ad ms, at Vin = 187 V Ad	Wide-range input	Yes
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Rated line frequency 1 Rated line frequency 2 Rated line frequency 2 Rated line range input current • at rated input voltage 120 V • at rated input voltage 230 V Switch-on current limiting (+25 °C), max. Fit, max. Built-in incoming fuse Protection in the mains power input (IEC 898) Recommended miniature circuit breaker: from 10 A characteristic B or from 6 A characteristic C Output Output Controlled, isolated DC voltage Rated voltage Vout DC • output voltage at output 1 at DC rated value Total tolerance, static ± Static mains compensation, approx. Static mains compensation, approx. Static mains compensation, approx. Residual ripple peak-peak, max. Residual ripple peak-peak, max. Residual ripple peak-peak, max. Residual ripple peak-peak, typ. Spikes peak-peak, max. (bandwidth: 20 MHz) Adjustment range 4.6 5.4 V product function output voltage adjustable Yes Output voltage setting Via potentiometer Status display Green LED for output voltage OK No overshoot of Vout (soft start) Startup delay, max. 0.5 s	Mains buffering	at Vin = 187 V
Rated line frequency 2 Rated line range input current • at rated input voltage 120 V • at rated input voltage 230 V 0.71 A • at rated input voltage 230 V Switch-on current limiting (+25 °C), max. I**t, max. Built-in incoming fuse Protection in the mains power input (IEC 898) Recommended miniature circuit breaker: from 10 A characteristic B or from 6 A characteristic C Output Output Controlled, isolated DC voltage Rated voltage Vout DC • output voltage at output 1 at DC rated value 5 V Total tolerance, static ± 3 % Static load balancing, approx. Static load balancing, approx. Residual ripple peak-peak, max. Residual ripple peak-peak, max. Residual ripple peak-peak, max. Spikes peak-peak, typ. Spikes peak-peak, typ. Spikes peak-peak, typ. (bandwidth: 20 MHz) Spikes peak-peak, typ. (bandwidth: 20 MHz) Adjustment range product function output voltage adjustable Yes Output voltage setting Via potentiometer Status display Green LED for output voltage OK On/off behavior No overshoot of Vout (soft start) Startup delay, max.	Mains buffering at lout rated, min.	40 ms; at Vin = 187 V
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input current • at rated input voltage 120 V • at rated input voltage 230 V Switch-on current limiting (+25 °C), max. 19t, max. 3 A²-s Built-in incoming fuse Protection in the mains power input (IEC 898) Recommended miniature circuit breaker: from 10 A characteristic B or from 6 A characteristic C Output Output Controlled, isolated DC voltage Rated voltage Vout DC • output voltage at output 1 at DC rated value Total tolerance, static ± 3 % Static mains compensation, approx. 5tatic load balancing, approx. Acidual ripple peak-peak, max. Residual ripple peak-peak, typ. Spikes peak-peak, max. (bandwidth: 20 MHz) Spikes peak-peak, max. (bandwidth: 20 MHz) Adjustment range 4.6 5.4 V product function output voltage adjustable Yes Output voltage setting Via potentiometer Status display Green LED for output voltage OK No overshoot of Vout (soft start) Startup delay, max.	Rated line frequency 2	60 Hz
 at rated input voltage 120 V at rated input voltage 230 V 0.37 A Switch-on current limiting (+25 °C), max. 19t, max. Built-in incoming fuse Protection in the mains power input (IEC 898) Recommended miniature circuit breaker: from 10 A characteristic B or from 6 A characteristic C Output Output Controlled, isolated DC voltage Rated voltage Vout DC 4 output voltage at output 1 at DC rated value 5 V Total tolerance, static ± 3 % Static mains compensation, approx. Static load balancing, approx. Residual ripple peak-peak, max. 100 mV Residual ripple peak-peak, max. (bandwidth: 20 MHz) Spikes peak-peak, typ. (bandwidth: 20 MHz) Adjustment range 4.6 5.4 V product function output voltage adjustable Yes Output voltage esting via potentiometer Startup delay, max. 0.5 s 	Rated line range	47 63 Hz
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Switch-on current limiting (+25 °C), max. Prt, max. 3 A²-s Built-in incoming fuse Internal Protection in the mains power input (IEC 898) Recommended miniature circuit breaker: from 10 A characteristic B or from 6 A characteristic C Output Controlled, isolated DC voltage Rated voltage Vout DC 5 V • output voltage at output 1 at DC rated value 5 V Total tolerance, static ± 3 % Static mains compensation, approx. 0.1 % Static load balancing, approx. 0.1 % Residual ripple peak-peak, max. 100 mV Residual ripple peak-peak, typ. 30 mV Spikes peak-peak, max. (bandwidth: 20 MHz) 50 mV Adjustment range 4.6 5.4 V Product function output voltage adjustable Yes Output voltage setting Via potentiometer Status display Green LED for output voltage OK On/off behavior No overshoot of Vout (soft start) Startup delay, max.	 at rated input voltage 120 V 	0.71 A
Pt, max. 3 A2-s Built-in incoming fuse internal Protection in the mains power input (IEC 898) Recommended miniature circuit breaker: from 10 A characteristic B or from 6 A characteristic C Output Output Controlled, isolated DC voltage Rated voltage Vout DC 5 V • output voltage at output 1 at DC rated value 5 V Total tolerance, static ± 3 % Static mains compensation, approx. 0.1 % Static load balancing, approx. 0.1 % Residual ripple peak-peak, max. 100 mV Residual ripple peak-peak, max. (bandwidth: 20 MHz) 100 mV Spikes peak-peak, max. (bandwidth: 20 MHz) 50 mV Adjustment range 4.6 5.4 V Product function output voltage adjustable Yes Output voltage setting Via potentiometer Status display Green LED for output voltage OK On/off behavior No overshoot of Vout (soft start) Startup delay, max. 0.5 s		0.37 A
Built-in incoming fuse Protection in the mains power input (IEC 898) Recommended miniature circuit breaker: from 10 A characteristic B or from 6 A characteristic C Output Output Controlled, isolated DC voltage Rated voltage Vout DC • output voltage at output 1 at DC rated value Total tolerance, static ± Static mains compensation, approx. Static load balancing, approx. Residual ripple peak-peak, max. Residual ripple peak-peak, typ. Spikes peak-peak, max. (bandwidth: 20 MHz) Spikes peak-peak, typ. (bandwidth: 20 MHz) Adjustment range 4.6 5.4 V product function output voltage adjustable Output voltage setting Via potentiometer Status display On/off behavior Startup delay, max. 0.5 s		
Protection in the mains power input (IEC 898) Recommended miniature circuit breaker: from 10 A characteristic B or from 6 A characteristic C Output Output Controlled, isolated DC voltage 8 Ated voltage Vout DC • output voltage at output 1 at DC rated value Total tolerance, static ± Static mains compensation, approx. Static load balancing, approx. Residual ripple peak-peak, max. Residual ripple peak-peak, typ. Spikes peak-peak, typ. Spikes peak-peak, typ. (bandwidth: 20 MHz) Spikes peak-peak, typ. (bandwidth: 20 MHz) Adjustment range product function output voltage adjustable Output voltage setting Ves Output voltage setting Via potentiometer Status display Green LED for output voltage OK On/off behavior Startup delay, max.	I²t, max.	3 A ² ·s
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Output Controlled, isolated DC voltage Rated voltage Vout DC ● output voltage at output 1 at DC rated value 5 V Total tolerance, static ± 3 % Static mains compensation, approx. 0.1 % Static load balancing, approx. 0.1 % Residual ripple peak-peak, max. 100 mV Residual ripple peak-peak, typ. 30 mV Spikes peak-peak, max. (bandwidth: 20 MHz) 100 mV Spikes peak-peak, typ. (bandwidth: 20 MHz) 50 mV Adjustment range 4.6 5.4 V product function output voltage adjustable Yes Output voltage setting via potentiometer Status display Green LED for output voltage OK On/off behavior No overshoot of Vout (soft start) Startup delay, max. 0.5 s	Protection in the mains power input (IEC 898)	
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Total tolerance, static ± Static mains compensation, approx. Static load balancing, approx. Residual ripple peak-peak, max. Residual ripple peak-peak, typ. Spikes peak-peak, max. (bandwidth: 20 MHz) Spikes peak-peak, typ. (bandwidth: 20 MHz) Spikes peak-peak, typ. (bandwidth: 20 MHz) Adjustment range 4.6 5.4 V product function output voltage adjustable Output voltage setting Status display Green LED for output voltage OK On/off behavior No overshoot of Vout (soft start) Startup delay, max.	Rated voltage Vout DC	5 V
Static mains compensation, approx. Static load balancing, approx. Residual ripple peak-peak, max. Residual ripple peak-peak, typ. Spikes peak-peak, max. (bandwidth: 20 MHz) Spikes peak-peak, typ. (bandwidth: 20 MHz) Adjustment range 4.6 5.4 V product function output voltage adjustable Output voltage setting Status display On/off behavior Startup delay, max. O.1 % 0.2 MHz 0.3 mV 0.3 mV 0.4 m. 0.5 to mV 0.5 to mV 0.6 m. 0.5 to mV 0.7 m. 0.6 m. 0.7 m. 0	• output voltage at output 1 at DC rated value	5 V
Static load balancing, approx. Residual ripple peak-peak, max. Residual ripple peak-peak, typ. Spikes peak-peak, max. (bandwidth: 20 MHz) Spikes peak-peak, typ. (bandwidth: 20 MHz) Adjustment range 4.6 5.4 V product function output voltage adjustable Output voltage setting Via potentiometer Status display Green LED for output voltage OK On/off behavior No overshoot of Vout (soft start) Startup delay, max.	Total tolerance, static ±	3 %
Residual ripple peak-peak, max. Residual ripple peak-peak, typ. Spikes peak-peak, max. (bandwidth: 20 MHz) Spikes peak-peak, typ. (bandwidth: 20 MHz) Spikes peak-peak, typ. (bandwidth: 20 MHz) Adjustment range 4.6 5.4 V product function output voltage adjustable Output voltage setting Via potentiometer Status display Green LED for output voltage OK On/off behavior No overshoot of Vout (soft start) Startup delay, max.	Static mains compensation, approx.	0.1 %
Residual ripple peak-peak, typ. Spikes peak-peak, max. (bandwidth: 20 MHz) Spikes peak-peak, typ. (bandwidth: 20 MHz) Adjustment range Adjustment range Output voltage adjustable Output voltage setting Status display On/off behavior Startup delay, max.	Static load balancing, approx.	0.1 %
Spikes peak-peak, max. (bandwidth: 20 MHz) Spikes peak-peak, typ. (bandwidth: 20 MHz) Adjustment range 4.6 5.4 V product function output voltage adjustable Output voltage setting Via potentiometer Status display Green LED for output voltage OK On/off behavior No overshoot of Vout (soft start) Startup delay, max.	Residual ripple peak-peak, max.	100 mV
Spikes peak-peak, typ. (bandwidth: 20 MHz) Adjustment range 4.6 5.4 V product function output voltage adjustable Output voltage setting Via potentiometer Status display Green LED for output voltage OK On/off behavior No overshoot of Vout (soft start) Startup delay, max. 0.5 s	Residual ripple peak-peak, typ.	30 mV
Adjustment range 4.6 5.4 V product function output voltage adjustable Output voltage setting Via potentiometer Status display Green LED for output voltage OK On/off behavior No overshoot of Vout (soft start) Startup delay, max. 0.5 s	Spikes peak-peak, max. (bandwidth: 20 MHz)	100 mV
product function output voltage adjustable Output voltage setting Via potentiometer Status display Green LED for output voltage OK On/off behavior No overshoot of Vout (soft start) Startup delay, max. 0.5 s	Spikes peak-peak, typ. (bandwidth: 20 MHz)	50 mV
Output voltage setting Via potentiometer Status display Green LED for output voltage OK On/off behavior No overshoot of Vout (soft start) Startup delay, max. 0.5 s	Adjustment range	4.6 5.4 V
Status display Green LED for output voltage OK On/off behavior No overshoot of Vout (soft start) Startup delay, max. 0.5 s	product function output voltage adjustable	Yes
On/off behavior No overshoot of Vout (soft start) Startup delay, max. 0.5 s	Output voltage setting	via potentiometer
Startup delay, max. 0.5 s	Status display	Green LED for output voltage OK
	On/off behavior	No overshoot of Vout (soft start)
Voltage rise, typ. 100 ms	Startup delay, max.	0.5 s
	Voltage rise, typ.	100 ms

Rated current value lout rated	6.3 A
Current range	0 6.3 A
Note	+55 +70 °C: Derating 2%/K
supplied active power typical	31.5 W
Parallel switching for enhanced performance	Yes
Numbers of parallel switchable units for enhanced performance	2
Efficiency	
Efficiency at Vout rated, lout rated, approx.	80 %
Power loss at Vout rated, lout rated, approx.	8 W
power loss [W] during no-load operation maximum	0.3 W
Closed-loop control	
Dynamic mains compensation (Vin rated ±15 %), max.	0.2 %
Dynamic load smoothing (lout: 10/90/10 %), Uout ± typ.	7 %
Load step setting time 10 to 90%, typ.	1 ms
Load step setting time 90 to 10%, typ.	1 ms
Protection and monitoring	
	Yes, according to EN 60950-1
Output overvoltage protection Current limitation, typ.	8.2 A
property of the output short-circuit proof	Yes
Short-circuit protection enduring short circuit current RMS value	Constant current characteristic
<u> </u>	8.2 A
maximum Avaraged capability in normal aparation	
overcurrent overload capability in normal operation	overload capability 150% lout rated typ. 200 ms
Overload/short-circuit indicator	= = = = = = = = = = = = = = = = = = =
measuring point for output current	50 mV =^ 6.3 A
overcurrent overload capability when switching on	150% lout rated typ. 200 ms
Safety	
Primary/secondary isolation	Yes
galvanic isolation	Safety extra-low output voltage Uout acc. to EN 60950-1 and EN 50178
Protection class	Class II (without protective conductor)
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; cURus-recognized (UL 60950, CSA C22.2 No. 60950), File E151273
certificate of suitability NEC Class 2	No
CB approval	Yes
certificate of suitability EAC approval	Yes
Marine approval	ABS, BV, DNV GL, LRS
EMC	
Emitted interference	EN 55022 Class B
Supply harmonics limitation	not applicable
Noise immunity	EN 61000-6-2
environmental conditions	
ambient temperature	
during operation	-25 +70 °C
— Note	with natural convection
during transport	-40 +85 °C
during storage	-40 +85 °C
Humidity class according to EN 60721	Climate class 3K3, 5 95% no condensation
Mechanics	omnate state of the conditionation
	screw.tvne terminals
Connection technology Connections	screw-type terminals
	I. N. 1 serow terminal each for 0.5 2.5 mm2 single core/finely
Supply input	L, N: 1 screw terminal each for 0.5 2.5 mm2 single-core/finely stranded
Output	+, -: 1 screw terminal each for 0.5 2.5 mm ²
Auxiliary	-
width of the enclosure	54 mm
height of the enclosure	90 mm
noight of the cholocale	CV 11111

depth of the enclosure	53 mm
required spacing	
• top	20 mm
• bottom	20 mm
• left	0 mm
• right	0 mm
Weight, approx.	0.2 kg
product feature of the enclosure housing can be lined up	Yes
Installation	Snaps onto DIN rail EN 60715 35x7.5/15, direct mounting in different mounting positions
MTBF at 40 °C	2 654 280 h
other information	Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)

