



LOGO!POWER 5 V/6.3 A STABILIZED POWER SUPPLY  
 INPUT: 100-240 V AC (110-300 V DC) OUTPUT: 5 V/6.3 A DC

### Technical specifications

Product	LOGO!Power
Power supply, type	5 V/6.3 A
<b>Input</b>	
Input	1-phase AC or DC
Supply voltage / at AC / nominal value min.	100 V
Supply voltage / at AC / nominal value max.	240 V
Supply voltage	
• at AC	85 ... 264 V
Input voltage / at DC	110 ... 300 V
Wide-range input	Yes
Oversoltage resistance	2.3 × Vin rated, 1.3 ms
Mains buffering at Iout rated, min.	40 ms
Mains buffering	at Vin = 187 V
Rated line frequency	50 / 60 Hz
Rated line range	47 ... 63 Hz
Input current / at nominal level of the input voltage 120 V	0.71 A
Input current / at nominal level of the input voltage 230 V	0.37 A
Switch-on current limiting (+25 °C), max.	50 A
I <sup>2</sup> t, max.	3 A <sup>2</sup> ·s
Built-in incoming fuse	internal

Protection in the mains power input (IEC 898)	Recommended miniature circuit breaker: from 16 A characteristic B or from 10 A characteristic C
<b>Output</b>	
Output	Controlled, isolated DC voltage
Rated voltage Vout DC	5 V
Total tolerance, static ±	3 %
Static mains compensation, approx.	0.1 %
Static load balancing, approx.	2 %
Residual ripple peak-peak, max.	100 mV
Residual ripple peak-peak, typ.	15 mV
Spikes peak-peak, max. (bandwidth: 20 MHz)	100 mV
Spikes peak-peak, typ. (bandwidth: 20 MHz)	70 mV
Adjustment range	4.6 ... 5.4 V
Product feature / 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
Voltage rise, typ.	10 ms
Rated current value Iout rated	6.3 A
Current range	0 ... 6.3 A
• Note	+55 ... +70 °C: Derating 2%/K
delivered active power / typ.	30 W
Parallel switching for enhanced performance	Yes
Numbers of parallel switchable units for enhanced performance	2
<b>Efficiency</b>	
Efficiency at Vout rated, Iout rated, approx.	83 %
Power loss at Vout rated, Iout rated, approx.	6 W
Effective power loss / at idle / maximum	1.5 W
<b>Closed-loop control</b>	
Dynamic mains compensation (Vin rated ±15 %), max.	0.2 %
Dynamic load smoothing (Iout: 10/90/10 %), Uout ± typ.	3 %
Load step setting time 10 to 90%, typ.	2 ms
Load step setting time 90 to 10%, typ.	2 ms
<b>Protection and monitoring</b>	
Output overvoltage protection	Yes, according to EN 60950-1
Current limitation, typ.	8.2 A
Characteristic feature of the output / short-circuit protected	Yes
Short-circuit protection	Constant current characteristic

Enduring short circuit current / Effective level / maximum	10 A
Overload/short-circuit indicator	-
<b>Safety</b>	
Primary/secondary isolation	Yes
Potential separation	Safety extra-low output voltage Uout acc. to EN 60950-1 and EN 50178
Protection class	Class II (without protective conductor)
CE mark	Yes
UL/CSA approval	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
Explosion protection	ATEX (EX) II 3G Ex nA IIC T3; cCSAus (CSA C22.2 No. 213-M1987, ANSI/ISA-12.12.01-2007) Class I, Div. 2, Group ABCD, T4
FM approval	Class I, Div. 2, Group ABCD, T4
CB approval	Yes
Marine approval	GL, ABS
Degree of protection (EN 60529)	IP20
<b>EMC</b>	
Emitted interference	EN 55022 Class B
Supply harmonics limitation	not applicable
Noise immunity	EN 61000-6-2
<b>Operating data</b>	
Ambient temperature / in operation	-20 ... +70 °C
• Note	with natural convection
Ambient temperature / on transport	-40 ... +85 °C
Ambient temperature / in storage	-40 ... +85 °C
Humidity class according to EN 60721	Climate class 3K3, no condensation
<b>Mechanics</b>	
Connection technology	screw-type terminals
Connections / Supply input	L, N: 1 screw terminal each for 0.5 ... 2.5 mm <sup>2</sup> single-core/finely stranded
Connections / Output	+, -: 2 screw terminals each for 0.5 ... 2.5 mm <sup>2</sup>
Connections / Auxiliary	-
Width / of the housing	72 mm
Height / of the housing	90 mm
Depth / of the housing	52.6 mm
Installation width	72 mm
Mounting height	130 mm
Weight, approx.	0.25 kg
Product feature / of the housing / housing for side-by-side mounting	Yes

Mounting type / wall mounting	No
Type of mounting / standard rail mounting	Yes
Mounting type / S7 rail mounting	No
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)

**letzte Änderung:**

Sep 1, 2014