



Technical specifications	
Product	LOGO!Power
Power supply, type	24 V/1.3 A
Input	
Input	1-phase AC
Rated voltage value $V_{in}$ rated	100 V ... 240 V
Wide-range input	Yes
Voltage range	85 V ... 264 V
Oversoltage resistance	$2.3 \times V_{in}$ rated/1.3 ms
Mains buffering at $I_{out}$ rated, min.	40 ms
Mains buffering	at $V_{in} = 187$ V
Rated line frequency	50 Hz / 60 Hz
Rated line range	47 Hz ... 63 Hz
Input current / at nominal level of the input voltage 120 V	0.7 A
Input current / at nominal level of the input voltage 230 V	0.35 A
Switch-on current limiting (+25 °C), max.	15 A
Making current $A^2s$	0.8 $A^2s$
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
Output	

Output	Controlled, isolated DC voltage
Rated voltage	24 V
Total tolerance, static $\pm$	3 %
Static mains compensation, approx.	0.1 %
Static load balancing, approx.	1.5 %
Residual ripple peak-peak, max.	200 mV
Residual ripple peak-peak, typ.	10 mV
Spikes peak-peak, max. (bandwidth: 20 MHz)	300 mV
Spikes peak-peak, typ. (bandwidth: 20 MHz)	20 mV
Adjustment range	22.2 V ... 26.4 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 $V_{out}$ (soft start)
Startup delay, max.	0.5 s
Voltage rise, typ.	15 ms
Rated current value $I_{out}$ rated	1.3 A
Output current / nominal range	0 A ... 1.3 A
Parallel switching for enhanced performance	Yes
Numbers of parallel switchable units for enhanced performance	2
<b>Efficiency</b>	
Efficiency at $V_{out}$ rated, $I_{out}$ rated, approx.	82 %
Power loss at $V_{out}$ rated, $I_{out}$ rated, approx.	7 W
<b>Closed-loop control</b>	
Dynamic mains compensation ( $V_{in}$ rated $\pm 15$ %), max.	0.2 %
Dynamic load smoothing ( $I_{out}$ : 10/90/10 %), $U_{out} \pm$ typ.	1.5 %
Load step setting time 10 to 90%, typ.	20 ms
Load step setting time 90 to 10%, typ.	20 ms
<b>Protection and monitoring</b>	
Design of the overload protection	Yes, according to EN 60950-1
Current limitation, typ.	2 A
Short-circuit protection	Constant current characteristic
Enduring short circuit current / Effective level / maximum	4 A
<b>Safety</b>	
Primary/secondary isolation	Yes
Potential separation	Safety extra low output voltage $V_{out}$ according to EN 60950-1 and EN 50178
Protection class	Class II (without protective conductor)
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
Explosion protection	ATEX EX II 3G Ex nA IIC T3
FM approval	Class I Div. 2, Group A, B, C, D T4
CB approval	Yes
Marine approval	GL, ABS, BV, DNV, LRS
Degree of protection (EN 60529)	IP20

### EMC

Emitted interference	EN 55022 Class B
Supply harmonics limitation	Not applicable
Noise immunity	EN 61000-6-2

### Operating data

Ambient temperature / in operation	-20 °C ... 55 °C
• ultimate value	with natural convection
Ambient temperature / on transport	-40 °C ... 70 °C
Ambient temperature / in storage	-40 °C ... 70 °C
Humidity class according to EN 60721	Climate class 3K3, no condensation

### Mechanics

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>
Width / of the housing	54 mm
Height / of the housing	90 mm
Depth / of the housing	55 mm
Weight, approx.	0.17 kg
Installation	Snaps onto DIN rail EN 60715 35x7.5/15
EAN code	4 025515 150916



letzte Änderung:

Nov 20, 2010