



Technical specifications	
Product	LOGO!Power
Power supply, type	24 V/2.5 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	1.22 A
Input current / at nominal level of the input voltage 230 V	0.66 A
Switch-on current limiting (+25 °C), max.	30 A
Making current A^2s	3 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)	40 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.	10 ms
Rated current value I_{out} rated	2.5 A
Output current / nominal range	0 A ... 2.5 A
Parallel switching for enhanced performance	Yes
Numbers of parallel switchable units for enhanced performance	2
Efficiency	
Efficiency at V_{out} rated, I_{out} rated, approx.	87 %
Power loss at V_{out} rated, I_{out} rated, approx.	9 W
Closed-loop control	
Dynamic mains compensation (V_{in} rated ± 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
Protection and monitoring	
Design of the overload protection	Yes, according to EN 60950-1
Current limitation, typ.	3.4 A
Short-circuit protection	Constant current characteristic
Enduring short circuit current / Effective level / maximum	8 A
Safety	
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

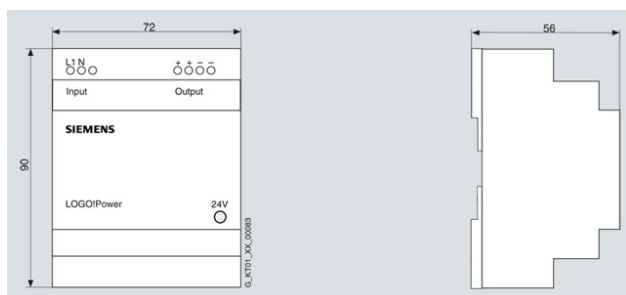
Emitted interference	EN 55022 Class B
Supply harmonics limitation	Not applicable
Noise immunity	EN 61000-6-2

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 ² single-core/finely stranded
Connections / Output	+, -: 2 screw terminals each for 0.5 ... 2.5 mm ²
Width / of the housing	72 mm
Height / of the housing	90 mm
Depth / of the housing	55 mm
Weight, approx.	0.25 kg
Installation	Snaps onto DIN rail EN 60715 35x7.5/15
EAN code	4 025515 150923



letzte Änderung:

Nov 20, 2010