## **SIEMENS**

Product data sheet 6EP1322-2BA00



SITOP PSU100S 12 V/7 A STABILIZED POWER SUPPLY INPUT: 120/230 V AC OUTPUT: 12 V/7 A DC

Technical specifications	
Product	SITOP PSU100S
Power supply, type	12 V/7 A
Input	
Input	1-phase AC
Supply voltage / 1 / at AC / nominal value	120 V
Supply voltage / 2 / at AC / nominal value	230 V
Supply voltage	
• Note	Automatic range selection
Input voltage / 1 / at AC	85 132 V
Input voltage / 2 / at AC	170 264 V
Wide-range input	No
Overvoltage resistance	2.3 × Vin rated, 1.3 ms
Mains buffering at lout rated, min.	20 ms
Mains buffering	at Vin = 93/187 V
Rated line frequency	50 / 60 Hz
Rated line range	47 63 Hz
Input current / at nominal level of the input voltage 120 V	1.73 A
Input current / at nominal level of the input voltage 230 V	0.99 A
Switch-on current limiting (+25 °C), max.	45 A
Built-in incoming fuse	T 3,15 A/250 V (not accessible)

Output         Controlled, isolated DC voltage           Rated voltage Vout DC         12 V           17 total tolerance, statice         3 %           Static mains compensation, approx.         19 %           Residual ripple peak-peak, max.         150 mV           Residual ripple peak-peak, max.         240 mV           Spikes peak-peak, typ.         240 mV           Spikes peak-peak, typ. (bandwidth: 20 MHz)         240 mV           Spikes peak-peak, typ. (bandwidth: 20 MHz)         400 mV           Adjustment range         11.5 15.5 V           Product feature / output voltage adjustable         via potentiometer           Status display         Green LED for 12 V OK           Signaling         Relay contact (NO contact, rating 80 V DC/ 0.3 A) for 12 V OK           Status delay, max.         0.3 s           Voltage rise, typ.         10 ms           Rated current value lout rated         7.A           - Note         450 - 70 °C Derating 0.75% K           Gellevered active power / typ.         84 W           short-term overfoad current / at short-circuit during run-up / typical         25 A           Duration of overloading ability for excess current / on short-circuiting during the operational phase         800 ms           Parallel switchable units for enhanced performance         yes	Protection in the mains power input (IEC 898)	Recommended miniature circuit breaker: from 6 A characteristic C
Rated voltage Vout DC         12 V           Total tolerance, static ±         3 %           Static road balancins, approx.         0.1 %           Static load balancing, approx.         150 mV           Residual rippie peak-peak, max.         150 mV           Residual rippie peak-peak, typ.         20 mV           Spikes peak-peak, xyp. (bandwidth: 20 MHz)         400 mV           Adjustment range         11.5 15.5 V           Product feature / output voltage adjustable         Yes           Output voltage setting         via potentiometer           Status display         Green LED for 12 V OK           Spraining         Relay contact (NO contact, rating 60 V DC/ 0.3 A) for 12 V OK           Spraining         Overshoot of Vout < 3 %	Output	
Static mains compensation, approx.   0.1 %	Output	Controlled, isolated DC voltage
Static load balancing, approx.   1 %	Rated voltage Vout DC	12 V
Static load balancing, aprox.   1%	Total tolerance, static ±	3 %
Residual ripple peak-peak, max.  Residual ripple peak-peak, typ.  Spikes peak-peak, typ. (bandwidth: 20 MHz)  Spikes peak-peak, typ. (bandwidth: 20 MHz)  Adjustment range  11.515.5 V  Product feature / output voltage adjustable  Yes  Output voltage setting  Status display  Status display  Status display  Relay contact (NC contact, rating 60 V DC/ 0.3 A) for 12 V OK  Signaling  Relay contact (NC contact, rating 60 V DC/ 0.3 A) for 12 V OK  Strup delay, max.  Voltage rise, typ.  10 ms  Rated current value lout rated  **Note**  Current range  **Note**  **Note**  **Note**  Gelivered active power / typ.  short-term overload current / at short-circuit during run-up / typical  during the start-up  short-term overload current / at short-circuit during operation / typical  during the operational phase  Parallel switchiable units for enhanced performance  Parallel switchiable units for enhanced performance  Prover loss at Yout rated, Jour rated, approx.  Status dies setting time 10 to 90%, typ.  Load step setting time 10 to 90%, typ.  1 ms  **Note**  Product feature / to 10 v90%, typ.  Load step setting time 10 to 90%, typ.  **In ms  **Note**  **Production and monitoring**  **Production and monit	Static mains compensation, approx.	0.1 %
Residual ripple peak-peak, typ.         20 mV           Spikes peak-peak, max. (bandwidth: 20 MHz)         240 mV           Adjustment range         11.5 15.5 V           Product feature / output voltage adjustable         Yes           Output voltage setting         via potentiometer           Status display         Green LED for 12 V OK           Signaling         Relay contact (NO contact, rating 60 V DC/ 0.3 A) for 12 V OK           On/off behavior         Overshoot of Vout < 3 %	Static load balancing, approx.	1 %
Spikes peak-peak, max. (bandwidth: 20 MHz)         240 mV           Spikes peak-peak, typ. (bandwidth: 20 MHz)         100 mV           Adjustment range         11.5 15.5 V           Product feature / output voltage adjustable         Yes           Output voltage setting         via potentiometer           Status display         Green LED for 12 V OK           Signalling         Relay contact (NO contact, rating 60 V DC/ 0.3 A) for 12 V OK           On/off behavior         Overshoot of Vout < 3 %           Statup delay, max.         0.3 s           Voltage rise, typ.         10 ms           Rated current value lout rated         7 A           Current range         0 7 A           • Note         +50 +70 °C: Derating 0.75%/K           delivered active power / typ.         84 W           short-term overload current / at short-circuit during run-up / typical         25 A           Duration of overloading ability for excess current / on short-circuiting during the operational phase         800 ms           Parallel switching for enhanced performance         Yes           Numbers of parallel switchable units for enhanced performance         2           Efficiency         84 %           Power loss at Vout rated, lout rated, approx.         84 %           Power loss at Vout rated, lout rated, appr	Residual ripple peak-peak, max.	150 mV
Spikes peak-peak, typ. (bandwidth: 20 MHz) Adjustment range 11.5 15.5 V Product feature / output voltage adjustable Yes Output voltage setting via potentiometer Status display Signaling Relay contact (NO contact, rating 60 V DC/ 0.3 A) for 12 V OK On/off behavior Overshoot of Vout < 3 % Startup delay, max. Os as Ottager ise, typ. 10 ms Rated current value lout rated Voltager ise, typ. 10 ms Rated current value lout rated Voltager ise, typ. 84 W Short-term overload current / at short-circuit during run-up / typical Vuring the start-up Short-term overload current / at short-circuit during operation / typical Short-term overload gability for excess current / on short-circuiting during the operational phase Parallel switching for enhanced performance Vese Fiftieinery Strieber over overload gability for excess current / on short-circuiting during the operational phase Parallel switching for enhanced performance Vese Sumbers of parallel switchable units for enhanced performance Vese Fiftieinery Strieber overload smoothing (lout: 10/90/10 %), Uout ± typ. Short-term overload smoothing (lout: 10/90/10 %), Uout ± typ. Short-term overload smoothing (lout: 10/90/10 %), Uout ± typ. Short-term overload smoothing (lout: 10/90/10 %), Uout ± typ. Short-term overload smoothing (lout: 10/90/10 %), Uout ± typ. Short-term overload smoothing (lout: 10/90/10 %), Uout ± typ. Short-term overload smoothing (lout: 10/90/10 %), Uout ± typ. Short-term overload smoothing (lout: 10/90/10 %), Uout ± typ. Short-term overload smoothing (lout: 10/90/10 %), Uout ± typ. Short-term overload smoothing (lout: 10/90/10 %), Uout ± typ. Short-term overload smoothing (lout: 10/90/10 %), Uout ± typ. Short-term overload smoothing (lout: 10/90/10 %), Uout ± typ. Short-term overload current overload curr	Residual ripple peak-peak, typ.	20 mV
Adjustment range Product feature / output voltage adjustable Ves Output voltage setting via potentiometer Status display Green LED for 12 V OK Signaling Relay contact (NO contact, rating 60 V DC/ 0.3 A) for 12 V OK On/off behavior Overshoot of Vout < 3 % Startup delay, max. Oslage rise, typ. 10 ms Rated current value lout rated 7 A Current range Note Note Note Selon-LED for 12 V OK On/off behavior Overshoot of Vout < 3 % Startup delay, max. Oslage rise, typ. 10 ms Rated current value lout rated 7 A Current range Note Note Solon-Lerm overload current / at short-circuit during run-up / typical Ouration of overloading ability for excess current / on short-circuiting during the start-up Short-term overload current / at short-circuit during operation / typical Short-term overload current / at short-circuit during operation / typical Parallel switching for enhanced performance Ves Numbers of parallel switchable units for enhanced performance Parallel switching for enhanced performance Parallel switchable units for enhanced performance Power loss at Vout rated, lout rated, approx. Short-term overload smoothing (lout: 10/90/10 %), Uout ± typ. Short-lerm overload smoothing (lout: 10/90/10 %), Uout ± typ. Short-lerm overload smoothing (lout: 10/90/10 %), Uout ± typ. Short-lerm overload smoothing (lout: 10/90/10 %), Uout ± typ. Short-lerm overload smoothing (lout: 10/90/10 %), Uout ± typ. Load step setting time 90 to 10%, typ. In ms	Spikes peak-peak, max. (bandwidth: 20 MHz)	240 mV
Product feature / output voltage adjustable Output voltage setting via potentiometer Status display Green LED for 12 V OK Signaling Relay contact (NO contact, rating 60 V DC/ 0.3 A) for 12 V OK On/off behavior Overshoot of Vout < 3 % Startup delay, max. Voltage rise, typ. Rated current value lout rated 7 A Current range Note Note Short-term overload current / at short-circuit during run-up / typical Duration of overloading ability for excess current / on short-circuiting during the start-up Short-term overload current / at short-circuit during operation / typical Duration of overloading ability for excess current / on short-circuiting during the operational phase Parallel switching for enhanced performance Parallel switchable units for enhanced performance Efficiency at Vout rated, lout rated, approx. Power loss at Vout rated, lout rated, approx. Short-term overload smoothing (lout: 10/90/10 %), Uout ± typ. Short-term overload smoothing (lout: 10/90/10 %), Uout ± typ. Short-term overload smoothing (lout: 10/90/10 %), Uout ± typ. Short-term overload smoothing (lout: 10/90/10 %), Uout ± typ. Short-term overload smoothing (lout: 10/90/10 %), Uout ± typ. Short-term overload smoothing (lout: 10/90/10 %), Uout ± typ. Short-term overload smoothing (lout: 10/90/10 %), Uout ± typ. Short-term overload smoothing (lout: 10/90/10 %), Uout ± typ. Short-term overload smoothing (lout: 10/90/10 %), Uout ± typ. Short-term overload smoothing (lout: 10/90/10 %), Uout ± typ. Short-term overload smoothing (lout: 10/90/10 %), Uout ± typ. Short-term overload smoothing (lout: 10/90/10 %), Uout ± typ. Short-term overload smoothing (lout: 10/90/10 %), Uout ± typ. Short-term overload smoothing (lout: 10/90/10 %), Uout ± typ. Short-term overload smoothing (lout: 10/90/10 %), Uout ± typ. Short-term overload smoothing (lout: 10/90/10 %), Uout ± typ. Short-term overload smoothing (lout: 10/90/10 %), Uout ± typ. Short-term overload smoothing (lout: 10/90/10 %), Uout ± typ. Short-term overload current / a short-circuit during overload smoothing	Spikes peak-peak, typ. (bandwidth: 20 MHz)	100 mV
Output voltage setting Status display Green LED for 12 V OK Signaling Relay contact (NO contact, rating 60 V DC/ 0.3 A) for 12 V OK On/off behavior Overshoot of Vout < 3 % Startup delay, max. 0.3 s Voltage rise, typ. 10 ms Rated current value fout rated 7 A Current range • Note • Note • 100 7 A • Note • Note • 100 7 A Short-term overload current/ at short-circuit during run-up / typical during the start-up short-term overload durrent/ at short-circuit during operation / typical during the operational phase Parallel switching for enhanced performance Parallel switching for enhanced performance Parallel switching for enhanced performance Efficiency at Vout rated, lout rated, approx. Power loss at Vout rated, lout rated, approx.  By an in the start-up Start and substituting (lout: 10/90/10 %), Uout ± typ.  Closed-loop control  Dynamic load smoothing (lout: 10/90/10 %), Uout ± typ. Load step setting time 90 to 10%, typ.  Protection and monitoring  Versection and monitoring  Via potention of typic on tact, approx. In ms Protection and monitoring  Via potention of typic on tact, approx. In ms  Versection and monitoring	Adjustment range	11.5 15.5 V
Status display  Green LED for 12 V OK  Signaling  Relay contact (NO contact, rating 60 V DC/ 0.3 A) for 12 V OK  On/off behavior  Overshoot of Vout < 3 %  Startup delay, max.  0.3 s  Voltage rise, typ.  10 ms  Rated current value fout rated  7 A  Current range 0 7 A  - Note +50 +70 °C: Derating 0.75%/K  delivered active power / typ.  84 W  short-term overload current/ at short-circuit during run-up / typical during the start-up  short-term overload current/ at short-circuit during operation / typical during the start-up  short-term overload current/ at short-circuit during operation / typical during the operational phase  Parallel switching for enhanced performance  Parallel switching for enhanced performance  Fificiency at Vout rated, lout rated, approx.  84 %  Power loss at Vout rated, lout rated, approx.  84 %  Fower loss at Vout rated, lout rated, approx.  5 %  Closed-loop control  Dynamic load smoothing (lout: 10/90/10 %), Uout ± typ.  5 %  Load step setting time 90 to 10%, typ.  1 ms  Protection and monitoring	Product feature / output voltage adjustable	Yes
Signaling Relay contact (NO contact, rating 60 V DC/ 0.3 A) for 12 V OK On/off behavior Overshoot of Vout < 3 % Startup delay, max.  Voltage rise, typ. 10 ms Rated current value lout rated 7 A Current range	Output voltage setting	via potentiometer
On/off behavior  Startup delay, max.  Voltage rise, typ.  Rated current value lout rated  7 A  Current range  • Note  delivered active power / typ.  short-term overload current / at short-circuit during run-up / typical  puration of overloading ability for excess current / on short-circuiting during the start-up  short-term overload current / at short-circuit during operation / typical  Short-term overload phase  Parallel switching for enhanced performance  Parallel switching for enhanced performance  Perfliciency  Efficiency at Vout rated, lout rated, approx.  By W  Closed-loop control  Dynamic load smoothing (lout: 10/90/10 %), Uout ± typ.  Load step setting time 10 to 90%, typ.  I ms  Protection and monitoring	Status display	Green LED for 12 V OK
Notage rise, typ.  Rated current value lout rated  7 A  Current range • Note • Note • Note delivered active power / typ. short-term overload current / at short-circuit during run-up / typical during the start-up  Short-term overloadding ability for excess current / on short-circuiting during the start-up  Short-term overload current / at short-circuit during operation / typical Duration of overloading ability for excess current / on short-circuiting during the operational phase  Parallel switching for enhanced performance  Parallel switching for enhanced performance  Pefficiency  Efficiency at Vout rated, lout rated, approx.  84 %  Power loss at Vout rated, lout rated, approx.  85 %  Closed-loop control  Dynamic load smoothing (lout: 10/90/10 %), Uout ± typ.  5 %  Load step setting time 10 to 90%, typ.  1 ms  Protection and monitoring	Signaling	Relay contact (NO contact, rating 60 V DC/ 0.3 A) for 12 V OK
Voltage rise, typ.  Rated current value lout rated  7 A  Current range • Note • Note • 150 +70 °C: Derating 0.75%/K  delivered active power / typ. 84 W  short-term overload current / at short-circuit during run-up / typical 25 A  Duration of overloading ability for excess current / on short-circuiting during the start-up  short-term overload current / at short-circuit during operation / typical 25 A  Duration of overloading ability for excess current / on short-circuiting during the operational phase  Parallel switching for enhanced performance  Yes  Numbers of parallel switchable units for enhanced performance  2  Efficiency  Efficiency at Vout rated, lout rated, approx.  84 %  Power loss at Vout rated, lout rated, approx.  15 W  Closed-loop control  Dynamic load smoothing (lout: 10/90/10 %), Uout ± typ. 5 %  Load step setting time 10 to 90%, typ. 1 ms  Protection and monitoring	On/off behavior	Overshoot of Vout < 3 %
Rated current value lout rated  Current range Note Note Note Note Protection and goverloading ability for excess current / on short-circuiting during the operational phase  Fifciency at Vout rated, lout rated, approx.  Load step setting time 90 to 10%, typ.  Protection and monitoring  O 7 A  0 7 A  9 O 7 A  9 O 7 C: Derating 0.75%/K  84 W  85 O +70 °C: Derating 0.75%/K  84 W  85 O +70 °C: Derating 0.75%/K  86 O +70 °C: Derating 0.75%/K  87 O +70 °C: Derating 0.75%/K  88 O +70 °C: Derating 0.75%/K  89 O +70 °C: Derating 0.75%/K  80	Startup delay, max.	0.3 s
Current range • Note • Note • Note • Note • So +70 °C: Derating 0.75%/K  delivered active power / typ.  short-term overload current / at short-circuit during run-up / typical puration of overloading ability for excess current / on short-circuiting during the start-up  short-term overload current / at short-circuit during operation / typical short-term overloading ability for excess current / on short-circuiting during the operational phase  Parallel switching for enhanced performance Parallel switching for enhanced performance  Ffficiency  Efficiency  Efficiency at Vout rated, lout rated, approx.  84 %  Power loss at Vout rated, lout rated, approx.  84 %  Closed-loop control  Dynamic load smoothing (lout: 10/90/10 %), Uout ± typ.  Load step setting time 10 to 90%, typ.  1 ms  Pretection and monitoring	Voltage rise, typ.	10 ms
Note  +50 +70 °C: Derating 0.75%/K  delivered active power / typ.  84 W  short-term overload current / at short-circuit during run-up / typical  Duration of overloading ability for excess current / on short-circuiting during the start-up  short-term overload current / at short-circuit during operation / typical  Short-term overload current / at short-circuit during operation / typical  Duration of overloading ability for excess current / on short-circuiting during the operational phase  Parallel switching for enhanced performance  Yes  Numbers of parallel switchable units for enhanced performance  Efficiency  Efficiency  Efficiency at Vout rated, lout rated, approx.  84 %  Power loss at Vout rated, lout rated, approx.  15 W  Closed-loop control  Dynamic load smoothing (lout: 10/90/10 %), Uout ± typ.  Load step setting time 10 to 90%, typ.  1 ms  Load step setting time 90 to 10%, typ.  Protection and monitoring	Rated current value lout rated	7 A
delivered active power / typ.  short-term overload current / at short-circuit during run-up / typical  Duration of overloading ability for excess current / on short-circuiting during the start-up  short-term overload current / at short-circuit during operation / typical  short-term overload current / at short-circuit during operation / typical  Duration of overloading ability for excess current / on short-circuiting during the operational phase  Parallel switching for enhanced performance  Yes  Numbers of parallel switchable units for enhanced performance  2  Efficiency  Efficiency  Efficiency at Vout rated, lout rated, approx.  84 %  Power loss at Vout rated, lout rated, approx.  15 W  Closed-loop control  Dynamic load smoothing (lout: 10/90/10 %), Uout ± typ.  5 %  Load step setting time 10 to 90%, typ.  1 ms  Load step setting time 90 to 10%, typ.  1 ms  Protection and monitoring	Current range	0 7 A
short-term overload current / at short-circuit during run-up / typical  Duration of overloading ability for excess current / on short-circuiting during the start-up  short-term overload current / at short-circuit during operation / typical  Duration of overloading ability for excess current / on short-circuiting during the operational phase  Parallel switching for enhanced performance  Parallel switchable units for enhanced performance  Efficiency  Efficiency  Efficiency at Vout rated, lout rated, approx.  Power loss at Vout rated, lout rated, approx.  Closed-loop control  Dynamic load smoothing (lout: 10/90/10 %), Uout ± typ.  Load step setting time 10 to 90%, typ.  I ms  Protection and monitoring	• Note	+50 +70 °C: Derating 0.75%/K
Duration of overloading ability for excess current / on short-circuiting during the start-up  short-term overload current / at short-circuit during operation / typical  Duration of overloading ability for excess current / on short-circuiting during the operational phase  Parallel switching for enhanced performance  Yes  Numbers of parallel switchable units for enhanced performance  Efficiency  Efficiency  Efficiency at Vout rated, lout rated, approx.  84 %  Power loss at Vout rated, lout rated, approx.  15 W  Closed-loop control  Dynamic load smoothing (lout: 10/90/10 %), Uout ± typ.  5 %  Load step setting time 10 to 90%, typ.  1 ms  Load step setting time 90 to 10%, typ.  Protection and monitoring	delivered active power / typ.	84 W
short-term overload current / at short-circuit during operation / typical  Duration of overloading ability for excess current / on short-circuiting during the operational phase  Parallel switching for enhanced performance  Numbers of parallel switchable units for enhanced performance  Efficiency  Efficiency  Efficiency at Vout rated, lout rated, approx.  84 %  Power loss at Vout rated, lout rated, approx.  15 W  Closed-loop control  Dynamic load smoothing (lout: 10/90/10 %), Uout ± typ.  5 %  Load step setting time 10 to 90%, typ.  1 ms  Protection and monitoring	short-term overload current / at short-circuit during run-up / typical	25 A
Duration of overloading ability for excess current / on short-circuiting during the operational phase  Parallel switching for enhanced performance  Numbers of parallel switchable units for enhanced performance  Efficiency  Efficiency  Efficiency at Vout rated, lout rated, approx.  84 %  Power loss at Vout rated, lout rated, approx.  15 W  Closed-loop control  Dynamic load smoothing (lout: 10/90/10 %), Uout ± typ.  Load step setting time 10 to 90%, typ.  1 ms  Load step setting time 90 to 10%, typ.  Protection and monitoring	3 ,	800 ms
Parallel switching for enhanced performance  Parallel switching for enhanced performance  Numbers of parallel switchable units for enhanced performance  Efficiency  Efficiency  Efficiency at Vout rated, lout rated, approx.  84 %  Power loss at Vout rated, lout rated, approx.  15 W  Closed-loop control  Dynamic load smoothing (lout: 10/90/10 %), Uout ± typ.  5 %  Load step setting time 10 to 90%, typ.  1 ms  Protection and monitoring	short-term overload current / at short-circuit during operation / typical	25 A
Numbers of parallel switchable units for enhanced performance  Efficiency  Efficiency at Vout rated, lout rated, approx.  84 %  Power loss at Vout rated, lout rated, approx.  15 W  Closed-loop control  Dynamic load smoothing (lout: 10/90/10 %), Uout ± typ.  Load step setting time 10 to 90%, typ.  Load step setting time 90 to 10%, typ.  1 ms  Protection and monitoring		800 ms
Efficiency at Vout rated, lout rated, approx.  84 %  Power loss at Vout rated, lout rated, approx.  15 W  Closed-loop control  Dynamic load smoothing (lout: 10/90/10 %), Uout ± typ.  Load step setting time 10 to 90%, typ.  1 ms  Load step setting time 90 to 10%, typ.  1 ms  Protection and monitoring	Parallel switching for enhanced performance	Yes
Efficiency at Vout rated, lout rated, approx.  Power loss at Vout rated, lout rated, approx.  15 W  Closed-loop control  Dynamic load smoothing (lout: 10/90/10 %), Uout ± typ.  Load step setting time 10 to 90%, typ.  Load step setting time 90 to 10%, typ.  1 ms  Protection and monitoring	Numbers of parallel switchable units for enhanced performance	2
Power loss at Vout rated, lout rated, approx.  Closed-loop control  Dynamic load smoothing (lout: 10/90/10 %), Uout ± typ.  Load step setting time 10 to 90%, typ.  Load step setting time 90 to 10%, typ.  1 ms  Protection and monitoring	Efficiency	
Closed-loop control  Dynamic load smoothing (lout: 10/90/10 %), Uout ± typ. 5 %  Load step setting time 10 to 90%, typ. 1 ms  Load step setting time 90 to 10%, typ. 1 ms  Protection and monitoring	Efficiency at Vout rated, lout rated, approx.	84 %
Dynamic load smoothing (lout: 10/90/10 %), Uout ± typ. 5 %  Load step setting time 10 to 90%, typ. 1 ms  Load step setting time 90 to 10%, typ. 1 ms  Protection and monitoring	Power loss at Vout rated, lout rated, approx.	15 W
Load step setting time 10 to 90%, typ.  Load step setting time 90 to 10%, typ.  1 ms  Protection and monitoring	Closed-loop control	
Load step setting time 90 to 10%, typ.  1 ms  Protection and monitoring	Dynamic load smoothing (lout: 10/90/10 %), Uout ± typ.	5 %
Protection and monitoring	Load step setting time 10 to 90%, typ.	1 ms
	Load step setting time 90 to 10%, typ.	1 ms
Output overvoltage protection < 20 V	Protection and monitoring	
	Output overvoltage protection	< 20 V

Current limitation	7 8.8 A
Characteristic feature of the output / short-circuit protected	Yes
Short-circuit protection	Constant current characteristic
Enduring short circuit current / Effective level / typical	8.8 A
• Note	overload capability 150 % lout rated up to 5 s/min
Overload/short-circuit indicator	-
Safety	
Primary/secondary isolation	Yes
Potential separation	Safety extra-low output voltage Uout acc. to EN 60950-1 and EN 50178
Protection class	Class I
stray current / maximum	3.5 mA
stray current / typical	0.4 mA
CE mark	Yes
UL/CSA approval	Yes
UL/cUL (CSA) approval	cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259, cCSAus (CSA C22.2 No. 60950-1, UL 60950-1, UL 1604)
Explosion protection	ATEX (EX) II 3G Ex nA nC IIC T4 Gc; cCSAus (CSA C22.2 No. 213-M1987, ANSI/ISA-12.12.01-2007) Class I, Div. 2, Group ABCD, T4
FM approval	-
CB approval	Yes
Marine approval	GL
Degree of protection (EN 60529)	IP20
EMC	
Emitted interference	EN 55022 Class B
Supply harmonics limitation	EN 61000-3-2
Noise immunity	EN 61000-6-2
Operating data	
Ambient temperature / in operation	-10 +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
Mechanics	
Connection technology	screw-type terminals
Connections / Supply input	L, N, PE: 1 screw terminal each for 0.5 2.5 mm² single-core/finely stranded
Connections / Output	+, -: 2 screw terminals each for 0.5 2.5 mm <sup>2</sup>
Connections / Auxiliary	Alarm signals: 2 screw terminals for 0.5 2.5 mm²
Width / of the housing	50 mm
Height / of the housing	125 mm

Depth / of the housing	120 mm
Installation width	50 mm
Mounting height	225 mm
Weight, approx.	0.5 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:

Jul 7, 2014