SIEMENS

Product data sheet 6EP1334-3BA00



SITOP MODULAR 10 STABILIZED POWER SUPPLY INPUT: 120/230-500 V AC OUTPUT: 24 V DC/10 A

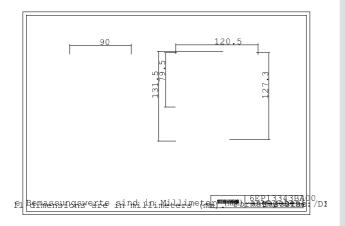
Technical specifications	
Product	SITOP modular
Power supply, type	24 V/10 A
Input	
Input	1-phase and 2-phase AC
Supply voltage / 1 / at AC	120 V 230 V
Supply voltage / 2 / at AC	230 V 500 V
• Note	Set by means of selector switch on the device
Input voltage / 1 / at AC	85 V 264 V
Input voltage / 2 / at AC	176 V 550 V
Wide-range input	Yes
Overvoltage resistance	1300 Vpeak, 1.3 ms
Mains buffering at lout rated, min.	25 ms
Mains buffering	at Vin = 120/230 V, typ. 150 ms at Vin = 400 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	4.4 A
Input current / at nominal level of the input voltage 230 V	2.4 A
Input current / at nominal level of the input voltage 500 V	1.1 A
Switch-on current limiting (+25 °C), max.	35 A
I²t, max.	4 A²-s

Protection in the mains power input (EC 888) Recommended miniature circuit breaker at 1-phase operation; from 8 A (10 A), characteristic C (8); required at 2-phase operation; circuit breaker 2-pole phases (8) Rev 2011-1EA10 (setting 3.8 A) or SRV271-1ED10 (LL 489) at 250 V; 3RV2011-1EA10 (setting 3.8 A) or SRV271-1ED10 (LL 489) at 250 V; 3RV2011-1EA10 (setting 3.8 A) or SRV271-1ED10 (LL 489) at 250 V; 3RV2011-1EA10 (setting 3.8 A) or SRV271-1ED10 (LL 489) at 250 V; 3RV2011-1EA10 (setting 3.8 A) or SRV271-1ED10 (LL 489) at 250 V; 3RV2011-1EA10 (setting 3.8 A) or SRV271-1ED10 (LL 489) at 250 V; 3RV2011-1EA10 (setting 3.8 A) or SRV271-1ED10 (LL 489) at 250 V; 3RV2011-1EA10 (setting 3.8 A) or SRV271-1ED10 (LL 489) at 250 V; 3RV2011-1EA10 (setting 3.8 A) or SRV271-1ED10 (LL 489) at 250 V; 3RV2011-1EA10 (setting 3.8 A) or SRV271-1ED10 (LL 489) at 250 V; 3RV2011-1EA10 (setting 3.8 A) or SRV271-1ED10 (LL 489) at 250 V; 3RV2011-1EA10 (setting 3.8 A) or SRV271-1ED10 (LL 489) at 250 V; 3RV2011-1EA10 (setting 3.8 A) or SRV271-1ED10 (LL 489) at 250 V; 3RV2011-1EA10 (setting 3.8 A) or SRV271-1ED10 (LL 489) at 250 V; 3RV2011-1EA10 (setting 3.8 A) or SRV271-1ED10 (LL 489) at 250 V; 3RV2011-1EA10 (setting 3.8 A) or SRV271-1ED10 (setting 3.8 A	Built-in incoming fuse	T 6.3 A (not accessible)
Output Controlled, isolated DC voltage Rated voltage Vout DC 24 V Total tolerance, static ± 3% Static mains compensation, approx. 0.1 % Static load balancing, approx. 0.1 % Static load balancing, approx. 50 mV Spikes peak-peak, max. (bandwidth: 20 MHz) 200 mV Adjustment range 24 V 28.8 V Product feature / output voltage adjustable Yes Output voltage setting via potentiometer Status display Green LED for 24 V OK Status display Green LED for 24 V OK Status display Voltage setting Via potentiometer Status display Green LED for 24 V OK Status display Green LED for 24 V OK Status display Voltage ise, typ. 50 ms Startup delay, max. 1 s Voltage rise, typ. 50 ms Rated current value lout rated 10 A Current range 0 A 10 A → 60 °C Derating • Note delivered active power / typ. 240 W Constant overload current / at short-circuit during run-up / typical Short-term overload current / at short-circuit during operation / typical Short-term overload current / at short-circuit during operation / typical Short-term overload for enhanced performance Yes • Note witching for enhanced performance Yes • Note witching for enhanced performance Yes • Note rated, lout rated, approx. 87 % Fower loss at Yout rated, lout rated ±15 %), max. 0.1 % Dynamic mains compensation (Vin rated ±15 %), max. 0.1 % Dynamic load step setting time 50 to 100%, typ. 2 ms	Protection in the mains power input (IEC 898)	6 A (10 A), characteristic C (B); required at 2-phase operation: circuit breaker 2-pole connected or circuit breaker 3RV2011-1EA10 (setting 3.8 A) or 3RV2711-1ED10 (UL 489) at 230 V; 3RV2011-1DA10
Rated voltage Vout DC 24 V Total tolerance, static ± 3 % Static mains compensation, approx. 0.1 % Static doad balancing, approx. 0.1 % Residual ripple peak-peak, max. 50 mV Spikes peak-peak, max. (bandwidth: 20 MHz) 200 mV Adjustment range 24 V 28.8 V Product feature / output voltage adjustable Yes Output voltage setting via potentiometer Status display Green LED for 24 V OK Signaling via signaling module (6EP1981-3BA10) On/off behavior Overshoot of Vout approx. 3 % Startup delay, max. 1 s Voltage rise, typ. 50 ms Startup delay, max. 1 s Voltage rise, typ. 50 ms Rated current value lout rated 10 A Current range 0 A 10 A • Note > 60 °C Derating delivered active power / typ. 240 W constant overload current / at short-circuit during run-up / typical 12 A short-term overload current / at short-circuit during run-up / typical 25 ms • Note <td>Output</td> <td></td>	Output	
Total tolerance, static ± 3 % Static mains compensation, approx. 0.1 % Static load balancing, approx. 0.1 % Residual ripple peak-peak, max. 50 mV Spikes peak-peak, max. 200 mV Adjustment range 24 V 28.8 V Product feature / Output voltage adjustable Yes Output voltage setting via potentiometer Status display Green LED for 24 V OK Signaling via signaling module (6EP1981-3BA10) On/off behavior Overshoot of Vout approx. 3 % Startup delay, max. 1 s Voltage rise, typ. 50 ms 8tated current value lout rated 10 A Current range 0 A 10 A • Note > 60 °C Derating delivered active power / typ. 240 W constant overload current / at short-circuit during run-up / typical 30 A Duration of overloading ability for excess current / on short-circuiting during the operational phase *** *Note *** *Note *** *Note *** *Note ***	Output	controlled, isolated DC voltage
Static rians compensation, approx. Static load balancing, approx. O.1 % Residual ripple peak-peak, max. Spikes peak-peak, max. (bandwidth: 20 MHz) Adjustment range 24 \ 28.8 \ V Product feature / output voltage adjustable Yes Output voltage setting via potentiometer Status display Green LED for 24 \ V OK Signaling On/off behavior On/off behavior Overshoot of Vout approx. 3 % Startup delay, max. 1 s Voltage rise, typ. So ms Rated current value lout rated 10 A Current range • Note delivered active power / typ. constant overload current / at short-circuit during run-up / typical short-term overload current / at short-circuit during run-up / typical short-term overload current / at short-circuit during operation / typical short-term overload current / at short-circuit during operation / typical vote • Note • Note 1 S Sm Parallel switching for enhanced performance • Yes sutchable characteristic Fifciency Efficiency Efficiency at Vout rated, lout rated 4, approx. 87 % Power loss at Vout rated, lout rated 4, approx. 87 % Power loss at Vout rated, lout rated 4, approx. 87 % Power loss at Vout rated, lout rated 4, approx. 87 % Poyamic load snoothing (lout: 50/100/50 %), Uout ± typ. Jana Scholar Scho	Rated voltage Vout DC	24 V
Static load balancing, approx. Residual ripple peak-peak, max. Spikes peak-peak, max. (bandwidth: 20 MHz) Adjustment range 24 V 28.8 V Product feature / output voltage adjustable Ves Output voltage setting via potentiometer Status display Green LED for 24 V OK Via signaling module (6EP1981-3BA10) On/off behavior On/off behavior Overshoot of Vout approx. 3 % Statup delay, max. 1 s Voltage rise, typ. So ms Rated current value fout rated 10 A Current range • Note delivered active power / typ. constant overload current / at short-circuit during run-up / typical short-term overload current / at short-circuit during run-up / typical short-term overload current / at short-circuit during operation / typical abort-term overload current / at short-circuit during operation / typical short-term overload current / at short-circuit during operation / typical vote • Note • Note • Note Faralial switching for enhanced performance • Yes switchable characteristic Numbers of parallel switchable units for enhanced performance 2 Efficiency Efficiency at Vout rated, lout rated, approx. 87 % Power loss at Vout rated, lout rated 4, approx. 87 % Power loss at Vour rated, lout rated 4, approx. 87 % Power loss at Vour rated, lout rated 4, approx. 30 % Closed-loop control Dynamic load smoothing (lout: 50/100/50 %), Uout ± typ. 2 ms	Total tolerance, static ±	3 %
Residual ripple peak-peak, max. Spikes peak-peak, max. (bandwidth: 20 MHz) Adjustment range 24 V 28.8 V Product feature / output voltage adjustable Yes Output voltage setting via potentiometer Status display Green LED for 24 V OK Signaling via signaling module (6EP1961-3BA10) On/off behavior Overshoot of Vout approx. 3 % Startup delay, max. 1 s Voltage rise, typ. Statude urrent value lout rated 10 A Current range • Note • Note delivered active power / typ. constant overfoad current / at short-circuit during run-up / typical short-term overload current / at short-circuit during operation / typical short-term overload pability for excess current / on short-circuiting during the operational phase Parallel switching for enhanced performance • Note * Note * Note * So *	Static mains compensation, approx.	0.1 %
Spikes peak-peak, max. (bandwidth: 20 MHz) Adjustment range 24 V 28.8 V Product feature / output voltage adjustable Ves Output voltage setting via potentiometer Status display Green LED for 24 V OK Signaling via signaling module (6EP1961-3BA10) On/off behavior Overshoot of Vout approx. 3 % Startup delay, max. 1 s Voltage rise, typ. Sto ms Rated current value lout rated 10 A Current range • Note • Note delivered active power / typ. constant overload current / at short-circuit during run-up / typical short-term overload current / at short-circuit during operation / typical short-term overload current / at short-circuit during operation / typical puration of overloading ability for excess current / on short-circuiting during the operational phase Parallel switching for enhanced performance • Note *Note *No	Static load balancing, approx.	0.1 %
Adjustment range 24 V 28.8 V Product feature / output voltage adjustable Yes Output voltage setting via potentiometer Status display Green LED for 24 V OK Signaling via signaling module (6EP1961-3BA10) On/off behavior Overshoot of Vout approx. 3 % Startup delay, max. 1 s Voltage rise, typ. 50 ms Rated current value lout rated 10 A Current range 0 A 10 A • Note • Note • 50 °C Derating delivered active power / typ. 240 W constant overload current / at short-circuit during run-up / typical short-term overload current / at short-circuit during operation / typical 30 A Duration of overloading ability for excess current / on short-circuiting during the operational phase • Note voltage rise, typ. 25 ms Parallel switching for enhanced performance Yes • Note voltage rise, typ. 50 ms Efficiency at Vout rated, lout rated, approx. 87 % Power loss at Vout rated, lout rated approx. 87 % Power loss at Vout rated, lout rated ±15 %), max. 0.1 % Dynamic load smoothing (lout: 50/100/50 %), Uout ± typ. 2 ms	Residual ripple peak-peak, max.	50 mV
Product feature / output voltage adjustable Output voltage setting Via potentiometer Status display Green LED for 24 V OK Signaling via signaling module (6EP1961-3BA10) On/off behavior Overshoot of Vout approx. 3 % Startup delay, max. 1 s Voltage rise, typ. So ms Rated current value lout rated 10 A Current range • Note • Note delivered active power / typ. constant overload current / at short-circuit during run-up / typical 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 • Note • Note 125 ms Switchable characteristic Numbers of parallel switchable units for enhanced performance Efficiency Efficiency at Yout rated, lout rated, approx. 87 % Power loss at Yout rated, lout rated ±15 %), max. Closed-loop control Dynamic mains compensation (Vin rated ±15 %), max. 0.1 % Dynamic load smoothing (lout: 50/100/50 %), Uout ± typ. Load step setting time 50 to 100%, typ.	Spikes peak-peak, max. (bandwidth: 20 MHz)	200 mV
Output voltage setting Status display Green LED for 24 V OK Signaling via signaling module (6EP1961-3BA10) On/off behavior Overshoot of Vout approx. 3 % Startup delay, max. 1 s Voltage rise, typ. 50 ms Rated current value lout rated 10 A Current range • Note • Note delivered active power / typ. constant overload current / at short-circuit during run-up / typical 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 • Note • Note Stricency Efficiency Efficiency Efficiency at Vout rated, lout rated, approx. 87 % Power loss at Vout rated, lout rated, approx. 87 % Closed-loop control Dynamic mains compensation (Vin rated ±15 %), max. 0.1 % Dynamic load smoothing (lout: 50/100/50 %), Uout ± typ. Load step setting time 50 to 100%, typ. 2 ms	Adjustment range	24 V 28.8 V
Status display Green LED for 24 V OK Signaling via signaling module (6EP1961-3BA10) On/off behavior Overshoot of Vout approx. 3 % Startup delay, max. 1 s Voltage rise, typ. Rated current value lout rated 10 A Current range 0 A 10 A • Note • Note delivered active power / typ. constant overload current / at short-circuit during run-up / 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 • Note Numbers of parallel switchable units for enhanced performance Efficiency Efficiency at Vout rated, lout rated, approx. 87 % Power loss at Vout rated, lout rated, approx. 87 % Closed-loop control Dynamic mains compensation (Vin rated ±15 %), max. 0.1 % Dynamic load smoothing (lout: 50/100/50 %), Uout ± typ. 2 ms	Product feature / output voltage adjustable	Yes
Signaling via signaling module (6EP1961-3BA10) On/off behavior Overshoot of Vout approx. 3 % Startup delay, max. 1 s Voltage rise, typ. 50 ms Rated current value lout rated 10 A Current range 0 A 10 A • Note • Note • So °C Derating delivered active power / typ. 240 W constant overload current / at short-circuit during run-up / typical 12 A short-term overload current / at short-circuit during operation / typical 30 A Duration of overloading ability for excess current / on short-circuiting during the operational phase • Note Yes • Note Switchable units for enhanced performance 2 Efficiency Efficiency at Vout rated, lout rated, approx. 87 % Power loss at Vout rated, lout rated, approx. 36 W Closed-loop control Dynamic mains compensation (Vin rated ±15 %), max. 0.1 % Dynamic load smoothing (lout: 50/100/50 %), Uout ± typ. 2 ms	Output voltage setting	via potentiometer
On/off behavior Overshoot of Vout approx. 3 % Startup delay, max. Voltage rise, typ. 50 ms Rated current value lout rated 10 A Current range • Note • Note Occupant overload current / at short-circuit during run-up / typical 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 • Note Numbers of parallel switchable units for enhanced performance Efficiency Efficiency at Vout rated, lout rated, approx. 87 % Power loss at Vout rated, lout rated, approx. Closed-loop control Dynamic mains compensation (Vin rated ±15 %), max. Dynamic load smoothing (lout: 50/100/50 %), Uout ± typ. Load step setting time 50 to 100%, typ.	Status display	Green LED for 24 V OK
Startup delay, max. Voltage rise, typ. Rated current value lout rated 10 A Current range 0 A 10 A • Note • Note constant overload current / at short-circuit during run-up / 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 • Note Switchable characteristic Numbers of parallel switchable units for enhanced performance 2 Efficiency Efficiency at Vout rated, lout rated, approx. Power loss at Vout rated, lout rated, approx. Closed-loop control Dynamic mains compensation (Vin rated ±15 %), max. Dynamic load smoothing (lout: 50/100/50 %), Uout ± typ. 2 on A 10 A 10 A 240 W 240 W 25 ms 30 A 25 ms 26 ms 47 S 87 % 28 M Closed-loop control Dynamic mains compensation (Vin rated ±15 %), max. 0.1 % Dynamic load smoothing (lout: 50/100/50 %), Uout ± typ. 2 ms	Signaling	via signaling module (6EP1961-3BA10)
Voltage rise, typ. Rated current value lout rated 10 A Current range • Note • Note • Note constant overload current / at short-circuit during run-up / 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 • Note Switchable characteristic Numbers of parallel switchable units for enhanced performance 2 Efficiency Efficiency at Vout rated, lout rated, approx. Power loss at Vout rated, lout rated, approx. Closed-loop control Dynamic mains compensation (Vin rated ±15 %), max. Dynamic load smoothing (lout: 50/100/50 %), Uout ± typ. 2 ms	On/off behavior	Overshoot of Vout approx. 3 %
Rated current value lout rated Current range Note Role O A 10 A Current range O A 10 A Current range O A 10 A Constant overload current / at short-circuit during run-up / typical 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 Note Numbers of parallel switchable units for enhanced performance 2 Efficiency Efficiency at Vout rated, lout rated, approx. 87 % Power loss at Vout rated, lout rated, approx. 36 W Closed-loop control Dynamic mains compensation (Vin rated ±15 %), max. Dynamic load smoothing (lout: 50/100/50 %), Uout ± typ. Load step setting time 50 to 100%, typ. 240 W 240 W 25 ms	Startup delay, max.	1 s
Current range • Note • Note > 60 °C Derating delivered active power / typ. constant overload current / at short-circuit during run-up / typical 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 • Note Numbers of parallel switchable units for enhanced performance Efficiency Efficiency at Vout rated, lout rated, approx. Power loss at Vout rated, lout rated, approx. Closed-loop control Dynamic mains compensation (Vin rated ±15 %), max. Dynamic load smoothing (lout: 50/100/50 %), Uout ± typ. Load step setting time 50 to 100%, typ. 240 W 25 ms 87 % 87 % 88 % Closed-loop control Dynamic load smoothing (lout: 50/100/50 %), Uout ± typ. 2 ms	Voltage rise, typ.	50 ms
Note > 60 °C Derating delivered active power / typ. constant overload current / at short-circuit during run-up / typical 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 Numbers of parallel switchable units for enhanced performance Efficiency Efficiency at Vout rated, lout rated, approx. Power loss at Vout rated, lout rated, approx. Closed-loop control Dynamic mains compensation (Vin rated ±15 %), max. Dynamic load smoothing (lout: 50/100/50 %), Uout ± typ. Load step setting time 50 to 100%, typ. 240 W 25 ms 25 ms 25 ms 47 % 87 % 87 % 87 % 0.1 % 2 ms	Rated current value lout rated	10 A
delivered active power / typ. constant overload current / at short-circuit during run-up / 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 • Note Numbers of parallel switchable units for enhanced performance Efficiency Efficiency at Vout rated, lout rated, approx. Power loss at Vout rated, lout rated, approx. Closed-loop control Dynamic mains compensation (Vin rated ±15 %), max. Dynamic load smoothing (lout: 50/100/50 %), Uout ± typ. Load step setting time 50 to 100%, typ.	Current range	0 A 10 A
constant overload current / at short-circuit during run-up / 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 Note Note Note Switchable characteristic Numbers of 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 mains compensation (Vin rated ±15 %), max. Dynamic load smoothing (lout: 50/100/50 %), Uout ± typ. Load step setting time 50 to 100%, typ. 2 ms	• Note	> 60 °C Derating
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 Note Note Switchable characteristic Numbers of parallel switchable units for enhanced performance Efficiency Efficiency at Vout rated, lout rated, approx. 87 % Power loss at Vout rated, lout rated, approx. 36 W Closed-loop control Dynamic mains compensation (Vin rated ±15 %), max. Dynamic load smoothing (lout: 50/100/50 %), Uout ± typ. 2 ms	delivered active power / typ.	240 W
Duration of overloading ability for excess current / on short-circuiting during the operational phase Parallel switching for enhanced performance Note Note Numbers of 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 mains compensation (Vin rated ±15 %), max. Dynamic load smoothing (lout: 50/100/50 %), Uout ± typ. 25 ms 26 ms 27 ms	constant overload current / at short-circuit during run-up / typical	12 A
during the operational phase Parallel switching for enhanced performance Note Numbers of parallel switchable units for enhanced performance Efficiency Efficiency at Vout rated, lout rated, approx. Power loss at Vout rated, lout rated, approx. Closed-loop control Dynamic mains compensation (Vin rated ±15 %), max. Dynamic load smoothing (lout: 50/100/50 %), Uout ± typ. 2 ms	short-term overload current / at short-circuit during operation / typical	30 A
Numbers of 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 mains compensation (Vin rated ±15 %), max. Dynamic load smoothing (lout: 50/100/50 %), Uout ± typ. Load step setting time 50 to 100%, typ. switchable characteristic 2 87 % 87 % 0.1 % 0.1 % 2 ms		25 ms
Numbers of parallel switchable units for enhanced performance Efficiency Efficiency at Vout rated, lout rated, approx. 87 % Power loss at Vout rated, lout rated, approx. 36 W Closed-loop control Dynamic mains compensation (Vin rated ±15 %), max. Dynamic load smoothing (lout: 50/100/50 %), Uout ± typ. Load step setting time 50 to 100%, typ.	Parallel switching for enhanced performance	Yes
Efficiency at Vout rated, lout rated, approx. 87 % Power loss at Vout rated, lout rated, approx. Closed-loop control Dynamic mains compensation (Vin rated ±15 %), max. Dynamic load smoothing (lout: 50/100/50 %), Uout ± typ. Load step setting time 50 to 100%, typ. 87 % 87 % 0.1 % 0.1 % 2 ms	• Note	switchable characteristic
Efficiency at Vout rated, lout rated, approx. 87 % Power loss at Vout rated, lout rated, approx. 36 W Closed-loop control Dynamic mains compensation (Vin rated ±15 %), max. 0.1 % Dynamic load smoothing (lout: 50/100/50 %), Uout ± typ. Load step setting time 50 to 100%, typ. 2 ms	Numbers of parallel switchable units for enhanced performance	2
Power loss at Vout rated, lout rated, approx. Closed-loop control Dynamic mains compensation (Vin rated ±15 %), max. Dynamic load smoothing (lout: 50/100/50 %), Uout ± typ. Load step setting time 50 to 100%, typ. 36 W 0.1 % 3 % 2 ms	Efficiency	
Closed-loop control Dynamic mains compensation (Vin rated ±15 %), max. 0.1 % Dynamic load smoothing (lout: 50/100/50 %), Uout ± typ. Load step setting time 50 to 100%, typ. 2 ms	Efficiency at Vout rated, lout rated, approx.	87 %
Dynamic mains compensation (Vin rated ±15 %), max. 0.1 % Dynamic load smoothing (lout: 50/100/50 %), Uout ± typ. 2 ms	Power loss at Vout rated, lout rated, approx.	36 W
Dynamic load smoothing (lout: 50/100/50 %), Uout ± typ. 3 % Load step setting time 50 to 100%, typ. 2 ms	Closed-loop control	
Load step setting time 50 to 100%, typ. 2 ms	Dynamic mains compensation (Vin rated ±15 %), max.	0.1 %
	Dynamic load smoothing (lout: 50/100/50 %), Uout ± typ.	3 %
Load step setting time 100 to 50%, typ. 2 ms	Load step setting time 50 to 100%, typ.	2 ms
	Load step setting time 100 to 50%, typ.	2 ms

Setting time / maximum	5 ms
Protection and monitoring	
Output overvoltage protection	< 35 V
Current limitation, typ.	12 A
Characteristic feature of the output / short-circuit protected	Yes
Short-circuit protection	Alternatively, constant current characteristic approx. 12 A or latching shutdown
Enduring short circuit current / Effective level / typical	12 A
Overload/short-circuit indicator	LED yellow for "overload", LED red for "latching shutdown"
Safety	
Primary/secondary isolation	Yes
Potential separation	Safety extra low output voltage Vout according to EN 60950-1 and EN 50178
Protection class	Class I
stray current / maximum	3.5 mA
stray current / typical	0.32 mA
CE mark	Yes
UL/CSA approval	Yes
UL/cUL (CSA) approval	cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259
Explosion protection	in preparation
FM approval	-
CB approval	No
Marine approval	GL and ABS in process
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	-25 °C 70 °C
• Note	with natural convection
Ambient temparature / on transport	-40 °C 85 °C
Ambient temparature / in storage	-40 °C 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 0.2 2.5 mm² single-core/finely stranded
Connections / Output	L+, M: 2 screw terminals each for 0.2 2.5 mm ²
Connections / Auxiliary	-

Width / of the housing	90 mm
Height / of the housing	125 mm
Depth / of the housing	125 mm
Installation width	90 mm
Mounting height	225 mm
Weight, approx.	1.4 kg
Product feature / of the housing / housing for side-by-side mounting	Yes
Type of mounting / wall mounting	No
Type of fixing / cap rail mounting	Yes
Type of mounting / S7-300 rail mounting	No
Installation	Snaps onto DIN rail EN 60715 35x7.5/15
Floatrical accessories	Ruffer module, signaling module

Electrical accessories



Buffer module, signaling module

letzte Änderung:

Sep 21, 2011