## **SIEMENS**

Product data sheet 6EP1332-2BA10



SITOP SMART 60 W STABILIZED POWER SUPPLY INPUT: 120/230 V AC OUTPUT: 24 V DC/2.5 A

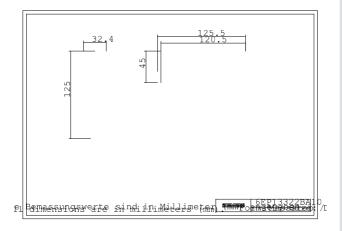
Technical specifications	
Product	SITOP smart
Power supply, type	24 V/2.5 A
Input	
Input	1-phase AC
Supply voltage / 1 / at AC / nominal value	120 V
Supply voltage / 2 / at AC / nominal value	230 V
Voltage range	
• Note	Set by means of selector switch on the device
Input voltage / 1 / at AC	85 132 V
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	1.1 A
Input current / at nominal level of the input voltage 230 V	0.65 A
Switch-on current limiting (+25 °C), max.	27 A
Duration of current limiting / at 25 °C / typical	3 ms

Pr. max.         0.3 A*s           Bull-in incoming luse         T 2 A/250 V(not accessible)           Protection in the mains power input (IEC 898)         Accommended miniature circuit breaker: from 3.A, characteristic C D Cutput           Output         Controlled, Isolated DC voltage           Rated voltage Voul DC         24 V           Total tolerance, static +         3%           Static load stallancing, approx.         1.5 mV           Residual ripple peak-peak, max.         150 mV           Residual ripple peak-peak, max.         150 mV           Residual ripple peak-peak, max. (bendwidth: 20 MHz)         240 mV           Splikes peak-peak, max. (bendwidth: 20 MHz)         20 mV           Adjustment range         22.8 28 V           Product feature? output voltage adjustable         Yes           Output voltage setting         Green LED for 24 V OK           Output voltage setting         90 ms           Status display         90 ms           Output voltage rise, typ.         50 ms           Rated carrent value lout rated         2.5 A           Current range         0.1 s           Voltage rise, typ.         60 W           Branch carrent value lout rated         2.5 A           Current range         0.0 ms           sh		
Protection in the mains power input (IEC 898)         Recommended miniature circuit breaker: from 3 A, characteristic C           Output         Controlled, isolated DC voltage           Rated voltage Vout DC         24 V           Total tolerance, static ±         3 %           Static load balancing, approx.         0.1 %           Residual ripple peak-peak, max.         150 mV           Residual ripple peak-peak, max.         150 mV           Residual ripple peak-peak, typ.         40 mV           Spikes peak-peak, typ. (bandwidth: 20 MHz)         50 mV           Adjustment range         22.8 28 V           Product feature / output voltage adjustable         Yes           Output voltage setting         via potentiometer           Status display         Green LED for 24 V OK           Output voltage setting         Voltage rise, typ.           Startup delay, max.         0.1 s           Voltage rise, typ.         50 ms           Rated current value four rated         2.5 Å           Current range         0 3 A           *Note         60 W           short-term overload current / at short-circuit during run-up / typical         7 A           Duration of overloading ability for excess current / on short-circuiting during the operational phase         7 A           <	I²t, max.	0.3 A²-s
Output         Controlled, isolated DC voltage           Rated voltage Vout DC         24 V           Total tolerance, static a         3 %           Static mains compensation, approx.         0.1 %           Static loads balancing, approx.         150 mV           Residual ripple peak-peak, max.         150 mV           Residual ripple peak-peak, max.         10 mV           Spikes peak-peak, max. (bandwidth: 20 MHz)         240 mV           Spikes peak-peak, max. (bandwidth: 20 MHz)         50 mV           Adjustment range         22.8 28 V           Product feature / output voltage adjustable         Yes           Output voltage setting         via potentionneter           Status display         Green LED for 24 V OK           Onlyoff behavior         Overshoot of Vout approx. 4 %           Startup delay, max.         0.1 s           Voltage rise, typ.         50 ms           Rated current value lout rated         2.5 A           Current range         0 3 A           • Note         60 W           short-term overload current / at short-circuit during run-up / typical         7 A           Duration of overloading ability for excess current / on short-circuiting during the operational phase         7 On ms           Parallel switching for enhanced performance<	Built-in incoming fuse	T 2 A/250 V (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.         150 mV           Residual ripple peak-peak, max.         150 mV           Residual ripple peak-peak, typ.         10 mV           Spikes peak, epak, typ. (bandwidth: 20 MHz)         240 mV           Spikes peak-peak, typ. (bandwidth: 20 MHz)         50 mV           Adjustment range         22.8 28 V           Product feature / output voltage adjustable         Yes           Output voltage setting         via potentiometer           Status display         Green LED for 24 V OK           On/off behavior         Overshoot of Vout approx. 4 %           Startup delay, max.         0.1 s           Voltage rise, typ.         50 ms           *acted current value lout rated         2.5 ms           Current tange         • 0 3 A           • Note         3 A up to +45 °C           delivered active power / typ.         60 W           short-term overload current / at short-circuit during run-up / typical         7 A           Duration of overloadinal phase         200 ms           Parallel switcha	Protection in the mains power input (IEC 898)	Recommended miniature circuit breaker: from 3 A, characteristic C
Rated voltage Vout DC         24 V           Total tolerance, static ±         3 %           Static inamis compensation, approx.         0.1 %           Static load balancing, approx.         150 mV           Residual ripple peak-peak, max.         150 mV           Residual ripple peak-peak, max.         10 mV           Spikes peak-peak, max. (bandwidth: 20 MHz)         240 mV           Spikes peak-peak, max. (bandwidth: 20 MHz)         50 mV           Adjustment range         22.8 28 V           Product feature / output voltage adjustable         Yes           Output voltage setting         4a potentiometer           Status display         Green LED for 24 V OK           Onloff behavior         Overshoot of Vout approx. 4 %           Startup delay, max.         0.1 s           Voltage rise, typ.         50 ms           Rated current value fout rated         2.5 A           Current range         0 3 A           * Note         3 Aup to +45 °C           delivered active power / typ.         60 W           short-term overload current / at short-circuit during operation / typical         7 A           Duration of overloading ability for excess current / on short-circuiting during the start-up         200 ms           short-term overload current / at short-circuit	Output	
Total tolerance, static ±         3 %           Static mains compensation, approx.         0.1 %           Static lead balancing, approx.         0.5 %           Residual ripple peak-peak, max.         150 mV           Residual ripple peak-peak, typ.         10 mV           Spikes peak, peak, kyp. (bandwidth: 20 MHz)         240 mV           Spikes peak, peak, kyp. (bandwidth: 20 MHz)         50 mV           Adjustment range         22.8 28 V           Product feature / output voltage adjustable         Yes           Output voltage setting         via potentionneter           Status display         Green LED for 24 V OK           On/off behavior         Overshoot of Vout approx. 4 %           Startup delay, max.         0.1 s           Voltage rise, typ.         50 ms           Reted current value fout rated         2.5 A           Current range         0 3 A           • Note         3.4 up to +45 °C           delivered active power / typ.         60 W           short-term overload current / at short-circuit during run-up / typical         7 A           Duration of overloading ability for excess current / on short-circuiting during the start-up         200 ms           short-term overload current / at short-circuit during operation / typical         7 A	Output	Controlled, isolated DC voltage
Static mains compensation, approx.         0.1 %           Static load balancing, approx.         0.5 %           Residual ripple peak-peak, max.         150 mV           Residual ripple peak-peak, typ.         10 mV           Spikes peak, peak, kyp. (bandwidth: 20 MHz)         240 mV           Spikes peak-peak, typ. (bandwidth: 20 MHz)         50 mV           Adjustment range         22.8 28 V           Product feature? output voltage adjustable         Yes           Output voltage setting         via potentiometer           Status display         Green LED for 24 V OK           On/off behavior         Overshoot of Vout approx. 4 %           Startup delay, max.         0.1 s           Voltage rise, typ.         50 ms           Rated current value lout rated         2.5 A           Current range         0 3 A           4 Note         60 W           delivered active power / typ.         60 W           short-term overfoad current / at short-circuit during run-up / typical         7 A           Duration of overloading ability for excess current / on short-circuiting during the start-up         7 A           short-term overfoad current / at short-circuit during operation / typical         7 A           Duration of overloading ability for excess current / on short-circuiting during the operational ph	Rated voltage Vout DC	24 V
Static load balancing, approx.  Residual ripple peak-peak, max.  Residual ripple peak-peak, typ.  10 mV  Spikes peak-peak, typ.  Spikes peak-peak peak peak peak-peak typ.  Spikes peak-peak peak-peak typ.  Spikes peak-peak peak peak-peak typ.  Spikes typ.  S	Total tolerance, static ±	3 %
Residual ripple peak-peak, max. Residual ripple peak-peak, max. Residual ripple peak-peak, typ.  Product feature / output voltage adjustable Output voltage setting Ves Output voltage setting Vershout feature / output voltage adjustable Output voltage setting Vershout feature / output voltage adjustable Output voltage setting Vershout of Vout approx. 4 % Status display Green LED for 24 V OK On/off behavior Overshoot of Vout approx. 4 % Startup delay, max. Voltage rise, typ. So ms Rated current value lout rated Output voltage setting Vershout of Vout approx. 4 % Startup delay, max. Voltage rise, typ. So ms Rated current value lout rated Output voltage Vershout of Vout approx. 4 % Output voltage rise, typ. So ms Rated current value lout rated Output voltage rise, typ. On/off behavior Output voltage rise, typ. So ms Rated current value lout rated Output voltage rise, typ. Output voltage rise,	Static mains compensation, approx.	0.1 %
Residual ripple peak-peak, typ.  Spikes peak-peak, max. (bandwidth: 20 MHz)  Spikes peak-peak, max. (bandwidth: 20 MHz)  Spikes peak-peak, typ. (bandwidth: 20 MHz)  Adjustment range  22.8 28 V  Product feature / output voltage adjustable  Ves  Output voltage setting  Status display  Green LED for 24 V OK  On/off behavior  O	Static load balancing, approx.	0.5 %
Spikes peak-peak, max. (bandwidth: 20 MHz) 50 mV  Adjustment range 22.8 28 V  Product feature / output voltage adjustable Yes  Output voltage setting via potentiometer  Status display Green LED for 24 V OK  On/off behavior Overshoot of Vout approx. 4 %  Startup delay, max. 0.1 s  Voltage rise, typ. 50 ms  Rated current value lout rated 2.5 A Current range 0 3 A up to +45 °C  delivered active power / typ. 60 W  short-term overload current / at short-circuit during run-up / typical during the start-up short-term overload current / at short-circuit during queration / fypical during the operational phase Parallel switching for enhanced performance 2  Ficiency at Yout rated, lout rated, approx. 85 %  Power loss at Yout rated, lout rated, approx. 9 W  Closed-loop control  Dynamic mains compensation (Vin rated ±15 %), max. 0.2 ms  Dynamic load smoothing (lout: 50/100/50 %), Jout ± typ. 12 %  Dynamic load sneothing (lout: 50/100/50 %), Jout ± typ. 12 %  Dynamic load sneothing (lout: 50/100/50 %), Jout ± typ. 12 %  Dynamic load sneothing (lout: 50/100/50 %), Jout ± typ. 12 %  Dynamic load sneothing (lout: 50/100/50 %), Jout ± typ. 12 %  Dynamic load sneothing (lout: 50/100/50 %), Jout ± typ. 12 %  Dynamic load sneothing (lout: 50/100/50 %), Jout ± typ. 12 %  Dynamic load sneothing (lout: 50/100/50 %), Jout ± typ. 12 %  Dynamic load sneothing (lout: 50/100/50 %), Jout ± typ. 12 %  Dynamic load sneothing (lout: 50/100/50 %), Jout ± typ. 12 %  Dynamic load sneothing (lout: 50/100/50 %), Jout ± typ. 12 %  Dynamic load sneothing (lout: 50/100/50 %), Jout ± typ. 12 %  Dynamic load sneothing (lout: 50/100/50 %), Jout ± typ. 12 %  Dynamic load sneothing (lout: 50/100/50 %), Jout ± typ. 12 %  Dynamic load sneothing (lout: 50/100/50 %), Jout ± typ. 12 %  Dynamic load sneothing (lout: 50/100/50 %), Jout ± typ. 12 %  Dynamic load sneothing (lout: 50/100/50 %), Jout ± typ. 12 %  Dynamic load sneothing (lout: 50/100/50 %), Jout ± typ. 12 %  Dynamic load sneothing (lout: 50/100/50 %)	Residual ripple peak-peak, max.	150 mV
Spikes peak, typ. (bandwidth: 20 MHz) 50 mV  Adjustment range 22.8 28 V  Product feature / output voltage adjustable Yes  Output voltage setting via potentiometer  Status display Green LED for 24 V OK  On/off behavior Overshoot of Vout approx. 4 %  Startup delay, max. 0.1 s  Voltage rise, typ. 50 ms  Rated current value lout rated 2.5 A  Current range 0 3 A  Note 0 3 A  Involved active power / typ. 60 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 of overloading ability for excess current / on short-circuiting during the operational phase  Parallel switchable units for enhanced performance Yes  Prower loss at Vout rated, lout rated, approx. 85 %  Power loss at Vout rated, lout rated ±15 %), max. 0.3 %  Dynamic load smoothing (lout: 50/100/50 %), Uout ± typ. 12 %  Load step setting time 50 to 100%, typ. 0.2 ms	Residual ripple peak-peak, typ.	10 mV
Adjustment range 22.8 28 V  Product feature / output voltage adjustable Yes  Output voltage setting via potentiometer  Status display Green LED for 24 V OK  On/off behavior Overshoot of Vout approx. 4 %  Startup delay, max. 0.1 s  Voltage rise, typ. 50 ms  Rated current value lout rated 2.5 A  Current range 0 3 A  • Note 3.4 up to +45 °C  delivered active power / typ. 60 W  short-term overload current / at short-circuit during run-up / typical uring the start-up 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. 9 W  Closed-loop control  Dynamic mains compensation (Vin rated ±15 %), max. 0.3 %  Dynamic load sneothing (lout: 50/100/50 %), Uout ± typ. 1.2 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 24 V OK On/off behavior Overshoot of Vout approx. 4 % Startup delay, max. O.1 s Voltage rise, typ. 50 ms Rated current value lout rated 2.5 A Current range 0 3 A vote Note 3 A up to +45 °C delivered 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 switching for enhanced performance Parallel switching for enhanced performance  Efficiency  Efficiency at Vout rated, lout rated, approx. Power loss at Vout rated, lout rated ±15 %), max. Dynamic load smoothing (lout: 50/100/50 %), Uout ± typ. Load step setting time 50 to 100%, typ.  0.2 ms	Spikes peak-peak, typ. (bandwidth: 20 MHz)	50 mV
Output voltage setting Status display Green LED for 24 V OK On/off behavior Overshoot of Vout approx. 4 % Startup delay, max. 0.1 s Voltage rise, typ. So ms Rated current value lout rated 2.5 A Current range Note Note 3 A up to +45 °C delivered 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 short-term overload current / at short-circuit during operation / typical during the operational phase Parallel switching for enhanced performance Yes Numbers of parallel switchable units for enhanced performance Efficiency at Yout rated, lout rated, approx. Power loss at Vout rated, lout rated, approx.  By Month of the start o	Adjustment range	22.8 28 V
Status display  Green LED for 24 V OK  On/off behavior  Overshoot of Vout approx. 4 %  Startup delay, max.  O.1 s  Voltage rise, typ.  Rated current value lout rated  2.5 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  parallel switching for enhanced performance  Parallel switching for enhanced performance  Efficiency  Efficiency at Vout rated, lout rated, approx.  Power loss at Vout rated, lout rated, approx.  Dynamic mains compensation (Vin rated ±15 %), max.  Dynamic load smoothing (lout: 50/100/50 %), Uout ± typ.  Load step setting time 50 to 100%, typ.  O.2 ms	Product feature / output voltage adjustable	Yes
On/off behavior  Startup delay, max.  Voltage rise, typ.  So ms  Rated current value lout rated  2.5 A  Current range  • Note  delivered 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 poeration / typical during the operational phase  Parallel switching for enhanced performance  Parallel switchable units for enhanced performance  Efficiency  Efficiency at Vout rated, lout rated, approx.  By one composition of the composition (Vin rated ±15 %), max.  Dynamic load smoothing (lout: 50/100/50 %), Uout ± typ.  Load step setting time 50 to 100%, typ.  O 3 A  A 3 A  A 4 A  Bo W	Output voltage setting	via potentiometer
Startup delay, max.  Voltage rise, typ.  Rated current value lout rated  2.5 A  Current range  • Note  delivered 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 start-up  short-term overload current / at short-circuit during operation / typical during the operational pability 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 at Vout rated, lout rated, approx.  Power loss at Vout rated, lout rated, approx.  Dynamic mains compensation (Vin rated ±15 %), max.  Dynamic load smoothing (lout: 50/100/50 %), Uout ± typ.  Load step setting time 50 to 100%, typ.  50 3 A  2.5 A  2.5 A  2.5 A  2.5 A  2.5 A  2.5 A  2.6 W  4.6  W  4.7 A  4.7	Status display	Green LED for 24 V OK
Notlage rise, typ.  Rated current value lout rated  2.5 A  Current range  Note  3 A up to +45 °C  delivered active power / typ. 60 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 T 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 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.  85 %  Power loss at Vout rated, lout rated, approx.  9 W  Closed-loop control  Dynamic mains compensation (Vin rated ±15 %), max.  0.3 %  Dynamic load smoothing (lout: 50/100/50 %), Uout ± typ.  1 %  Load step setting time 50 to 100%, typ.  0.2 ms	On/off behavior	Overshoot of Vout approx. 4 %
Rated current value lout rated  2.5 A  Current range Note  0 3 A  3 A up to +45 °C  delivered active power / typ. 60 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 TA  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 at Vout rated, lout rated, approx.  Power loss at Vout rated, lout rated, approx.  9 W  Closed-loop control  Dynamic mains compensation (Vin rated ±15 %), max. 0.3 %  Dynamic load smoothing (lout: 50/100/50 %), Uout ± typ. 1 %  Load step setting time 50 to 100%, typ. 0.2 ms	Startup delay, max.	0.1 s
e Note  Note	Voltage rise, typ.	50 ms
• Note 3 A up to +45 °C  delivered active power / typ. 60 W  short-term overload current / at short-circuit during run-up / typical 7 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 7 A  Duration of overloading ability for excess current / on short-circuiting ability for excess current / on short-circuiti	Rated current value lout rated	2.5 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  Pouration 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  Efficiency at Vout rated, lout rated, approx.  Power loss at Vout rated, lout rated, approx.  Power loss at Vout rated, lout rated, approx.  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 3 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  A 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.  Power loss at Vout rated, lout rated approx.  Dynamic mains compensation (Vin rated ±15 %), max.  Dynamic load smoothing (lout: 50/100/50 %), Uout ± typ.  Load step setting time 50 to 100%, typ.	• Note	3 A up to +45 °C
Duration of overloading ability for excess current / on short-circuiting during the start-up  short-term overload current / at short-circuit during operation / typical 7 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  Efficiency at Vout rated, lout rated, approx. 85 %  Power loss at Vout rated, lout rated, approx. 9 W  Closed-loop control  Dynamic mains compensation (Vin rated ±15 %), max. 0.3 %  Dynamic load smoothing (lout: 50/100/50 %), Uout ± typ. 1 %  Load step setting time 50 to 100%, typ. 0.2 ms	delivered active power / typ.	60 W
short-term overload current / at short-circuit during operation / typical 7 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. 85 %  Power loss at Vout rated, lout rated, approx. 9 W  Closed-loop control  Dynamic mains compensation (Vin rated ±15 %), max. 0.3 %  Dynamic load smoothing (lout: 50/100/50 %), Uout ± typ. 1 %  Load step setting time 50 to 100%, typ.	short-term overload current / at short-circuit during run-up / typical	7 A
Duration of overloading ability for excess current / on short-circuiting during the operational phase  Parallel switching for enhanced performance  Parallel switching for enhanced performance  Perficiency  Efficiency  Efficiency at Vout rated, lout rated, approx.  Power loss at Vout rated, lout rated, approx.  9 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.  200 ms  200 ms  200 ms  300 ms  400 ms  200 ms		100 ms
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.  85 %  Power loss at Vout rated, lout rated, approx.  9 W  Closed-loop control  Dynamic mains compensation (Vin rated ±15 %), max.  0.3 %  Dynamic load smoothing (lout: 50/100/50 %), Uout ± typ.  Load step setting time 50 to 100%, typ.  0.2 ms	short-term overload current / at short-circuit during operation / typical	7 A
Numbers of parallel switchable units for enhanced performance 2  Efficiency  Efficiency at Vout rated, lout rated, approx. 85 %  Power loss at Vout rated, lout rated, approx. 9 W  Closed-loop control  Dynamic mains compensation (Vin rated ±15 %), max. 0.3 %  Dynamic load smoothing (lout: 50/100/50 %), Uout ± typ. 1 %  Load step setting time 50 to 100%, typ. 0.2 ms		200 ms
Efficiency at Vout rated, lout rated, approx.  85 %  Power loss at Vout rated, lout rated, approx.  9 W  Closed-loop control  Dynamic mains compensation (Vin rated ±15 %), max.  0.3 %  Dynamic load smoothing (lout: 50/100/50 %), Uout ± typ.  Load step setting time 50 to 100%, typ.  0.2 ms	Parallel switching for enhanced performance	Yes
Efficiency at Vout rated, lout rated, approx.  85 %  Power loss at Vout rated, lout rated, approx.  9 W  Closed-loop control  Dynamic mains compensation (Vin rated ±15 %), max.  0.3 %  Dynamic load smoothing (lout: 50/100/50 %), Uout ± typ.  1 %  Load step setting time 50 to 100%, typ.  0.2 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.  9 W  0.3 %  0.3 %  0.2 ms	Efficiency	
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.  0.2 ms	Efficiency at Vout rated, lout rated, approx.	85 %
Dynamic mains compensation (Vin rated ±15 %), max.  Dynamic load smoothing (lout: 50/100/50 %), Uout ± typ.  1 %  Load step setting time 50 to 100%, typ.  0.2 ms	Power loss at Vout rated, lout rated, approx.	9 W
Dynamic load smoothing (lout: 50/100/50 %), Uout ± typ. 1 %  Load step setting time 50 to 100%, typ. 0.2 ms	Closed-loop control	
Load step setting time 50 to 100%, typ.  0.2 ms	Dynamic mains compensation (Vin rated ±15 %), max.	0.3 %
	Dynamic load smoothing (lout: 50/100/50 %), Uout ± typ.	1 %
Load step setting time 100 to 50%, typ.  0.2 ms	Load step setting time 50 to 100%, typ.	0.2 ms
	Load step setting time 100 to 50%, typ.	0.2 ms

Protection and monitoring	
Output overvoltage protection	< 33 V
Current limitation	3.2 3.4 A
Characteristic feature of the output / short-circuit protected	Yes
Short-circuit protection	Constant current characteristic
Enduring short circuit current / Effective level / typical	5 A
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 II T4; UL 1604 Class I, Div. 2, Group ABCD
FM approval	-
CB approval	Yes
Marine approval	GL
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	0 60 °C
• Note	with natural convection
Ambient temparature / on transport	-40 +85 °C
Ambient temparature / 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	L+, M: 2 screw terminals each for 0.5 2.5 mm <sup>2</sup>
Connections / Auxiliary	-
Width / of the housing	32.5 mm

Height / of the housing	125 mm
Depth / of the housing	125 mm
Installation width	32.5 mm
Mounting height	225 mm
Weight, approx.	0.32 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

## Other information



Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)

letzte Änderung:

Oct 19, 2012