SIEMENS

Product data sheet 6EP1332-2BA20



SITOP PSU100S 24 V/2.5 A STABILIZED POWER SUPPLY INPUT: 120/230 V AC OUTPUT: 24 V/2.5 A DC

Technical specifications		
Product	SITOP PSU100S	
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	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	1.25 A	
Input current / at nominal level of the input voltage 230 V	0.74 A	
Switch-on current limiting (+25 °C), max.	33 A	
I²t, max.	0.4 A²·s	

Output Controlled, isolated DC voltage Rated voltage Vout DC Total tolerance, static ± 3% Static mains compensation, approx. 0.1 % Static mains compensation, approx. 1 1% Residual ripple peak-peak, max. 150 mV Residual ripple peak-peak, typ. 30 mV Splikes peak-peak, typ. 30 mV Splikes peak-peak, typ. (bandwidth: 20 MHz) 240 mV Splikes peak-peak, typ. (bandwidth: 20 MHz) 70 mV Adjustment range 22.8 28 V Product feature / output voltage adjustable Yes Output voltage setting 3 repetiting 4 repetiting 8 repetiting 9 repetiting 8 repetiting 9 repetition 9 repet	Built-in incoming fuse	T 3,15 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. 1 % Residual ripple peak-peak, max. 150 mV Residual ripple peak-peak, max. 30 mV Spikes peak-peak, typ. 30 mV Spikes peak-peak, typ. (bandwidth: 20 MHz) 70 mV Adjustment range 22.8 28 V Product feature / output voltage adjustable Yes Output voltage setting via potentiometer Sitatus display Green LED for 24 V OK Signaling Relay contact (NO contact, rating 60 V DC/ 0.3 A) for "24 V OK" On/off behavior Overshoot of Vout < 3 %	Protection in the mains power input (IEC 898)	Recommended miniature circuit breaker: from 3 A characteristic C
Rated voltage Vout DC Total tolerance, static ± 3 % Static mains compensation, approx. 0.1 % Static mains compensation, approx. 1 % Residual ripple peak-peak, max. 150 mV Residual ripple peak-peak, typ. 30 mV Spikes peak-peak, max (bandwidth: 20 MHz) 240 mV Spikes peak-peak, max (bandwidth: 20 MHz) 70 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 Spikaling Relay contact, rating 60 V DC / 0.3 A) for "24 V OK" On/off behavior Overshoot of Vout < 3 % Status display Status display 15 ms. Voltage rise, typ. 15 ms Rated current value lout rated 2.5 A Current range 0 3 A Note delivered active power / typ. 8hort-term overload current / at short-circuit during run-up / typical during the start-up 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 purision of overloading ability for excess current / on short-circuiting during the start-up Short-term overload current / at short-circuit during operation / typical purision of overloading ability for excess current / on short-circuiting during the operational phase Parallel switchable units for enhanced performance Yes Parallel switching for enhanced performance Yes Efficiency Wout rated, lout rated, approx. 85 % Power loss at Yout rated, lout rated, approx. 93 % Closed-loop control Dynamic mains compensation (Vin rated ±15 %), max. 0.3 %	Output	
Total tolerance, static ± Static mains compensation, approx. Static load balancing, approx. 1 % Residual ripple peak-peak, max. Residual ripple peak-peak, typ. Spikes peak-peak, typ. Spikes peak-peak, typ. (bandwidth: 20 MHz) Adjustment range Product feature / output voltage adjustable Ves Output voltage setting Status display Green LED for 24 V OK Signaling Relay contact (NO contact, rating 60 V DC/ 0.3 A) for "24 V OK" On/off behavior Overshoot of Vout < 3 % Startup delay, max. Olas a Relad current value lout rated Current range • Note delivered active power / typ. short-term overload current / at short-circuit during run-up / typical during the start-up short-term overloading ability for excess current / on short-circuiting during the start-up short-term overload durrent / at short-circuit during operation / typical Duration of overloading ability for excess current / on short-circuiting during the start-up short-term overload durrent / at short-circuit during operation / typical Duration of overloading ability for excess current / on short-circuiting during the operational phase Parallel switchable units for enhanced performance Yes Efficiency Efficiency Efficiency Dynamic mains compensation (Vin rated ±15 %), max. 0.3 %	Output	Controlled, isolated DC voltage
Static mains compensation, approx. Static load balancing, approx. Residual ripple peak-peak, max. Residual ripple peak-peak, typ. Spikes peak, peak, kyp. Spikes peak, peak, kyp. Spikes peak, peak, typ. Spikes pea	Rated voltage Vout DC	24 V
Static load balancing, approx. Residual ripple peak-peak, max. Residual ripple peak-peak, max. Residual ripple peak-peak, typ. Spikes peak-peak, typ. Spikes peak-peak, typ. (bandwidth: 20 MHz) Adjustment range 22.8 28 V Product feature / output voltage adjustable Ves Output voltage setting via potentiometer Status display Green LED for 24 V OK Signaling Relay contact (NO contact, rating 60 V DC/ 0.3 A) for "24 V OK" On/off behavior Overshoot of Vout < 3 % Startup delay, max. O.3 s Rated current value lout rated 2.5 A Current range Note 15 ms Rated current value lout rated 2.5 A Current range Note Output voltough guilly for excess current / on short-circuiting during the start-up short-term 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 switchalbe units for enhanced performance Efficiency Efficiency Dynamic mains compensation (Vin rated ±15 %), max. 0.3 % 10 W Closed-loop control Dynamic mains compensation (Vin rated ±15 %), max. 0.3 %	Total tolerance, static ±	3 %
Residual ripple peak-peak, max. Residual ripple peak-peak, max. (bandwidth: 20 MHz) Spikes peak-peak, typ. (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 Signaling Relay contact (NO contact, rating 60 V DC/ 0.3 A) for "24 V OK" On/off behavior On/off behavior Overshoot of Vout < 3 % Startup delay, max. 0.3 s Voltage rise, typ. 15 ms Rated current value lour rated 2.5 A Current range • Note olimitation 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 start-up Short-term overloading ability for excess current / on short-circuiting during the start-up Short-term overloading ability for excess current / on short-circuiting during the start-up Short-term overloading ability for excess current / on short-circuiting during the start-up Short-term overloading ability for excess current / on short-circuiting during the parational phase Parallel switching for enhanced performance Yes Numbers of parallel switchable units for enhanced performance Efficiency Efficiency Efficiency at Vout rated, lout rated, approx. 85 % Power loss at Vout rated, lout rated, approx. 80 3%	Static mains compensation, approx.	0.1 %
Residual ripple peak-peak, typ. Spikes peak-peak, max. (bandwicth: 20 MHz) Adjustment range 22.8 28 V Product feature / output voltage adjustable Ves Output voltage setting Status display Signaling Choif behavior On/off behavior	Static load balancing, approx.	1 %
Spikes peak-peak, max. (bandwidth: 20 MHz) 240 mV Spikes peak-peak, typ. (bandwidth: 20 MHz) 70 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 Signalling Relay contact (NO contact, rating 60 V DC/ 0.3 A) for "24 V OK" On/off behavior Overshoot of Vout < 3 % Startup delay, max. 0.3 s Voltage rise, typ. 15 ms Rated current value lout rated 2.5 A Current range 0 3 A * Note 3 A up to +45°C; +60 +70 °C: Derating 3%/K delivered active power / typ. 60 W short-term overload current / at short-circuit during run-up / typical during the start-up during the start-up during the start-up during the start-up during the operational phase Parallel switching for enhanced performance Yes Parallel switchable units for enhanced performance 2 Efficiency Efficiency at Vout rated, lout rated, approx. 10 yman. 50 yman. 10	Residual ripple peak-peak, max.	150 mV
Spikes peak, peak, typ. (bandwidth: 20 MHz) 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 Signaling Relay contact (NO contact, rating 60 V DC/ 0.3 A) for "24 V OK" On/off behavior Overshoot of Vout < 3 % Startup delay, max. 0.3 s Voltage rise, typ. 15 ms Rated current value lout rated 2.5 A Current range • Note 3 A up to +45°C; +60 +70 °C: Derating 3%/K delivered active power / typ. 8hort-term overload current / at short-circuit during run-up / typical Duration of overloading ability for excess current / on short-circuiting during the start-up during the operational phase Parallel switching for enhanced performance Parallel switching for enhanced	Residual ripple peak-peak, typ.	30 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 Signaling Relay contact (NO contact, rating 60 V DC/ 0.3 A) for "24 V OK" On/off behavior On/off behavior Overshoot of Vout < 3 % Startup delay, max. 0.3 s Voltage rise, typ. 15 ms Rated current value lout rated 2.5 A Current range • Note • Note 3 A up to +45°C; +60 +70 °C; Derating 3%/K delivered active power / typ. 8hort-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 Yes Numbers of parallel switchable units for enhanced performance 2 Efficiency Efficiency Efficiency Efficiency Efficiency Dynamic mains compensation (Vin rated ±15 %), max. 0.3 %	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 Signaling Relay contact (NO contact, rating 60 V DC/ 0.3 A) for "24 V OK" On/off behavior Overshoot of Vout < 3 % Overshoot of Vout < 3 % Startup delay, max. 0.3 s Voltage rise, typ. 15 ms Rated current value lout rated 2.5 A Current range • Note • Note 3 A up to +45°C; +60 +70 °C: Derating 3%/K 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 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 Efficiency Unynamic mains compensation (Vin rated ±15 %), max. 0.3 %	Spikes peak-peak, typ. (bandwidth: 20 MHz)	70 mV
Output voltage setting Status display Green LED for 24 V OK Signaling Relay contact (NO contact, rating 60 V DC/ 0.3 A) for "24 V OK" On/off behavior Overshoot of Vout < 3 % Startup delay, max. 0.3 s Voltage rise, typ. 15 ms Rated current value lout rated 2.5 A Current range 0 3 A Note 3 A up to +45°C; +60 +70 °C: Derating 3%/K 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 Duration of overloading ability for excess current / on short-circuiting abouting 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. 100 ms	Adjustment range	22.8 28 V
Status display Green LED for 24 V OK Signaling Relay contact (NO contact, rating 60 V DC/ 0.3 A) for "24 V OK" On/off behavior Overshoot of Vout < 3 % Startup delay, max. 0.3 s Voltage rise, typ. 15 ms Rated current value lout rated 2.5 A Current range 0 3 A Note 3 A up to +45°C; +60 +70 °C; Derating 3%/K delivered active power / typ. 8hort-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 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. 10 W Closed-loop control Dynamic mains compensation (Vin rated ±15 %), max. 0.3 %	Product feature / output voltage adjustable	Yes
Relay contact (NO contact, rating 60 V DC/ 0.3 A) for "24 V OK" On/off behavior Overshoot of Vout < 3 % Startup delay, max. 0.3 s Voltage rise, typ. 15 ms Rated current value lout rated 2.5 A Current range 0 3 A 3 A up to +45°C; +60 +70 °C: Derating 3%/K 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 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. 55 % Power loss at Vout rated, lout rated, approx. 10 W Closed-loop control Dynamic mains compensation (Vin rated ±15 %), max. 0.3 %	Output voltage setting	via potentiometer
On/off behavior Startup delay, max. 0.3 s Voltage rise, typ. 15 ms Rated current value lout rated 2.5 A Current range • Note 3 A up to +45°C; +60 +70 °C: Derating 3%/K 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 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. Power loss at Vout rated, lout rated, approx. 10 W Closed-loop control Dynamic mains compensation (Vin rated ±15 %), max. 0.3 %	Status display	Green LED for 24 V OK
Startup delay, max. Voltage rise, typ. 15 ms Rated current value lout rated 2.5 A Current range 03 A 3 A up to +45°C; +60 +70 °C: Derating 3%/K 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 Duration of overloading ability for excess current / on short-circuiting aburing the start-up Short-term overload current / at short-circuit during operation / typical Puration of overloading ability for excess current / on short-circuiting aburing the operational phase Parallel switching for enhanced performance Yes Numbers of parallel switchable units for enhanced performance Efficiency Efficiency Efficiency Efficiency at Vout rated, lout rated, approx. 85 % Power loss at Vout rated, lout rated, approx. 10 W Closed-loop control Dynamic mains compensation (Vin rated ±15 %), max. 0.3 %	Signaling	Relay contact (NO contact, rating 60 V DC/ 0.3 A) for "24 V OK"
Voltage rise, typ. Rated current value lout rated 2.5 A Current range • Note 3 A up to +45°C; +60 +70 °C: Derating 3%/K 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 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. 85 % Power loss at Vout rated, lout rated, approx. 10 W Closed-loop control Dynamic mains compensation (Vin rated ±15 %), max. 0 .3 %	On/off behavior	Overshoot of Vout < 3 %
Rated current value lout rated 2.5 A Current range • Note 3 A up to +45°C; +60 +70 °C: Derating 3%/K 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 Puration of overloading ability for excess current / on short-circuiting during the operational phase Parallel switching for enhanced performance Parallel switching for enhanced performance Yes 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. 10 W Closed-loop control Dynamic mains compensation (Vin rated ±15 %), max. 0.3 %	Startup delay, max.	0.3 s
• Note • O 3 A 3 A up to +45°C; +60 +70 °C: Derating 3%/K delivered active power / typ. 60 W short-term overload current / at short-circuit during run-up / typical 9 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 9 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. 10 W Closed-loop control Dynamic mains compensation (Vin rated ±15 %), max. 0.3 %	Voltage rise, typ.	15 ms
Note 3 A up to +45°C; +60 +70 °C: Derating 3%/K 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 Duration of overloading ability for excess current / on short-circuiting aduring 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. 10 W Closed-loop control Dynamic mains compensation (Vin rated ±15 %), max. 0.3 %	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 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. Closed-loop control Dynamic mains compensation (Vin rated ±15 %), max. 60 W 80 W 800 ms 800 ms 2 Efficiency Yes Numbers of parallel switchable units for enhanced performance 2 Efficiency 85 % O.3 %	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 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. Power loss at Vout rated, lout rated, approx. 10 W Closed-loop control Dynamic mains compensation (Vin rated ±15 %), max. 0.3 %	• Note	3 A up to +45°C; +60 +70 °C: Derating 3%/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 9 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. Power loss at Vout rated, lout rated, approx. Closed-loop control Dynamic mains compensation (Vin rated ±15 %), max. 100 ms 100 ms 800 ms 800 ms 2 2 4 5 6 7 8 8 8 8 9 8 9 9 10 10 10 10 10 10 10 10	delivered active power / typ.	60 W
during the start-up short-term overload current / at short-circuit during operation / typical 9 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. 10 W Closed-loop control Dynamic mains compensation (Vin rated ±15 %), max. 0.3 %	short-term overload current / at short-circuit during run-up / typical	9 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 at Vout rated, lout rated, approx. Power loss at Vout rated, lout rated, approx. 10 W Closed-loop control Dynamic mains compensation (Vin rated ±15 %), max. 0.3 %		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. Power loss at Vout rated, lout rated, approx. Closed-loop control Dynamic mains compensation (Vin rated ±15 %), max. O.3 %	short-term overload current / at short-circuit during operation / typical	9 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. 10 W Closed-loop control Dynamic mains compensation (Vin rated ±15 %), max. 0.3 %	Duration of overloading ability for excess current / on short-circuiting during the operational phase	800 ms
Efficiency Efficiency at Vout rated, lout rated, approx. 85 % Power loss at Vout rated, lout rated, approx. 10 W Closed-loop control Dynamic mains compensation (Vin rated ±15 %), max. 0.3 %	Parallel switching for enhanced performance	Yes
Efficiency at Vout rated, lout rated, approx. 85 % Power loss at Vout rated, lout rated, approx. 10 W Closed-loop control Dynamic mains compensation (Vin rated ±15 %), max. 0.3 %	Numbers of parallel switchable units for enhanced performance	2
Power loss at Vout rated, lout rated, approx. 10 W Closed-loop control Dynamic mains compensation (Vin rated ±15 %), max. 0.3 %	Efficiency	
Closed-loop control Dynamic mains compensation (Vin rated ±15 %), max. 0.3 %	Efficiency at Vout rated, lout rated, approx.	85 %
Dynamic mains compensation (Vin rated ±15 %), max. 0.3 %	Power loss at Vout rated, lout rated, approx.	10 W
	Closed-loop control	
Dynamic load smoothing (lout: 10/90/10 %), Uout ± typ. 5 %	Dynamic mains compensation (Vin rated ±15 %), max.	0.3 %
	Dynamic load smoothing (lout: 10/90/10 %), Uout ± typ.	5 %
Load step setting time 10 to 90%, typ. 1 ms	Load step setting time 10 to 90%, typ.	1 ms
Load step setting time 90 to 10%, typ. 1 ms	Load step setting time 90 to 10%, typ.	1 ms

Protection and monitoring	
Output overvoltage protection	protection against overvoltage in case of internal fault Vout < 33 V
Current limitation	3 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	3.4 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, BV
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	-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 mm²
Connections / Auxiliary	Alarm signals: 2 screw terminals for 0.5 2.5 mm ²

Width / of the housing	32.5 mm
Height / of the housing	125 mm
Depth / of the housing	120 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
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
Electrical accessories	Buffer module
Other information	Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)

letzte Änderung: