SIEMENS

Data sheet 6EP1336-2BA10



SITOP PSU100S 24 V/20 A SITOP PSU100S 20 A STABILIZED POWER SUPPLY INPUT: 120/230 V AC OUTPUT: 24 V/20 A DC

Input	1-phase AC
Supply voltage	
• 1 with AC Rated value	120 V
• 2 with AC Rated value	230 V
• Note	Automatic range selection
Input voltage	
• 1 with AC	85 132 V
• 2 with AC	176 264 V
Wide-range input	No
Overvoltage resistance	2.3 × Vin rated, 1.3 ms
Mains buffering at lout rated, min.	20 ms; at Vin = 120/230 V
Rated line frequency	50 60 Hz
Rated line range	47 63 Hz
Input current	
 at rated input voltage 120 V 	7.5 A
 at rated input voltage 230 V 	3.5 A
Switch-on current limiting (+25 °C), max.	11 A
I²t, max.	10 A²-s
Built-in incoming fuse	T 10 A (not accessible)
Protection in the mains power input (IEC 898)	Recommended miniature circuit breaker: from 10 A characteristic C or circuit-breaker 3RV2411-1JA10 (120 V) or 3RV2411-1FA10 (230 V)

Output

Controlled, isolated DC voltage

Total tolerance, static ± 3 % Static mains compensation, approx. 0.5 % Static load balancing, approx. 1 % Residual ripple peak-peak, max. 150 mV Spikes peak-peak, max. 150 mV Adjustment range 24 28 V Product function Output voltage adjustable Yes Output voltage setting via potentiometer: max. 480 W Status display Green LED for 24 V OK Signaling Relay contact (NO contact, rating 50 V DC/ 0.3 A) for "24 V OK" On/off behavior No overshoot of Vout (soft start) Startup delay, max. 1.5 s Voltage increase time of the output voltage maximum 500 ms Rated current value lout rated 20 A Current range 0 20 A • Note 24 A up to +45°C; +60 +70 °C; Derating 5%/K Active power supplied typical 480 W Short-term overload current • on short-circuiting during the start-up typical 35 A Duration of overloading capability for excess current • on short-circuit during operation 100 ms Parallel switching for enhanced performance Performance Efficiency Efficiency Efficiency Efficiency at Yout rated, lout rated, approx. 53 W Closed-Loop control Dynamic mains compensation (Vin rated ±15 %), max. Dynamic load smoothing (lout: 50/100/50 %), Uout ± typ. Schort-circuit limitation, typ. 21 A Property of the output Short-circuit proof Yes Short-circuit profection Yes, according to EN 60950-1 Current limitation, typ. 21 A Property of the output Short-circuit proof Short-circuit profection Yes Short-circuit profection Yes Short-circuit profection Felection Electronic shutdown, automatic restart	Rated voltage Vout DC	24 V
Static load balancing, approx. Residual ripple peak-peak, max. Spikes peak-peak, max. Spikes peak-peak, max. Spikes peak-peak, max. 150 mV 240 mV Adjustment range 24 28 V Product function Output voltage adjustable Ves Output voltage setting Status display Relay contact (NO contact, rating 50 V DC/ 0.3 A) for "24 V OK" Signaling Relay contact (NO contact, rating 50 V DC/ 0.3 A) for "24 V OK" On/off behavior No overshoot of Vout (soft start) Startup delay, max. 1.5 s Voltage increase time of the output voltage maximum Storm to delay, max. Voltage increase time of the output voltage maximum Storm to reverse time of the output voltage maximum Active power supplied typical Short-term overload current on short-circuiting during the start-up typical at short-circuit during operation typical at short-circuit during operation typical at short-circuiting during the start-up at short-circuiting during the start-up at short-circuiting during the start-up at short-circuiting for enhanced performance Numbers of parallel switchable units for enhanced performance Fificiency Efficiency at Vout rated, lout rated, approx. 90 % Power loss at Vout rated, lout rated, approx. 90 % Power loss at Vout rated, lout rated, approx. 53 W Closed-loop control Dynamic mains compensation (Vin rated ±15 %), max. 10 ms Protection and monitoring Curpot intriation, typ. 21 A Property of the output Short-circuit proof Yes Property of the output Short-circuit proof	Total tolerance, static ±	3 %
Residual ripple peak-peak, max. Spikes peak-peak, max. (bandwidth: 20 MHz) Adjustment range 24 28 V Product function Output voltage adjustable Yes Output voltage setting Via potentiometer; max. 480 W Status display Status display Green LED for 24 V OK Signaling Relay contact (NO contact, rating 50 V DC/ 0.3 A) for "24 V OK" On/off behavior No overshoot of Vout (soft start) Startup delay, max. 1.5 s Voltage rise, typ. Voltage increase time of the output voltage maximum 500 ms Rated current value lout rated 20 A Current range Note Note Note Note 10 - 24 A up to +45°C; +60 +70 °C; Derating 5%rK Active power supplied typical Short-term overload current on short-circuiting during the start-up typical at short-circuit during operation typical on short-circuit during operation typical on short-circuit during quiring the start-up on short-circuit during operation Parallel switching for enhanced performance Prosert of Vout rated, lout rated, approx. 90 % Power loss at Vout rated, lout ra	Static mains compensation, approx.	0.5 %
Spikes peak-peak, max. (bandwidth: 20 MHz) Adjustment range Product function Output voltage adjustable Ves Output voltage setting Status display Green LED for 24 V OK Signaling Relay contact (NO contact, rating 50 V DC/ 0.3 A) for "24 V OK" No overshoot of Vout (soft start) Startup delay, max. 1.5 s Voltage rise, typ. Voltage increase time of the output voltage maximum Rated current value lout rated 20 A Current range Note Note Active power supplied typical Short-term overload current on short-circuiting during the start-up at short-circuit during operation typical st short-circuit during operation Parallel switching for enhanced performance Numbers of parallel switchable units for enhanced performance Efficiency at Vout rated, lout rated, approx. Power loss at Vout rated, lout rated, approx. Setting time maximum 10 ms Protection and monitoring Output overvoltage protection Current limitation, typ. 21 A Property of the output Short-circuit proof Yes 21 A Property of the output Short-circuit proof	Static load balancing, approx.	1 %
Adjustment range 24 28 V Product function Output voltage adjustable Yes Output voltage setting via potentiometer; max. 480 W Status display Green LED for 24 V OK Signaling Relay contact (NO contact, rating 50 V DC/ 0.3 A) for "24 V OK" No overshoot of Vout (soft start) Startup delay, max. 1.5 s Voltage increase time of the output voltage maximum Rated current value lout rated 20 A Current range 0 20 A • Note 44 Au p to +45°C; +60 +70 °C; Derating 5%/K Active power supplied typical 480 W Short-term overload current • on short-circuit during operation typical 35 A • at short-circuit during operation typical 400 ms • at short-circuit during operation 100 ms Parallel switching for enhanced performance Yes Numbers of parallel switchable units for enhanced performance Efficiency Efficiency Efficiency at Vout rated, lout rated, approx. 53 W Closed-loop control Dynamic nains compensation (Vin rated ±15 %), max. Dynamic load smoothing (lout: 50/100/50 %), Uout ± 1yp. Setting time maximum Yes, according to EN 60950-1 Current limitation, typ. 21 A Property of the output Short-circuit proof	Residual ripple peak-peak, max.	150 mV
Product function Output voltage adjustable Ves Output voltage setting Status display Green LED for 24 V OK Signaling Relay contact (NO contact, rating 50 V DC/ 0.3 A) for "24 V OK" No overshoot of Vout (soft start) Startup delay, max. 1.5 s Voltage rise, typ. Soms Voltage increase time of the output voltage maximum Rated current value lout rated 20 A Current range Note Active power supplied typical Short-term overload current on short-circuiting during the start-up typical at short-circuit during operation typical on short-circuit during during the start-up on short-circuiting during the start-up on short-circuiting during the start-up on short-circuiting operation 100 ms Parallel switching for enhanced performance Numbers of parallel switchable units for enhanced performance Efficiency at Vout rated, lout rated, approx. 53 W Closed-loop control Dynamic nains compensation (Vin rated ±15 %), max. Dynamic load smoothing (lout: 50/100/50 %), Uout ± typ. Setting time maximum 10 ms Protection and monitoring Output overvoltage protection Current limitation, typ. 21 A Property of the output Short-circuit proof Yes Property of the output Short-circuit proof	Spikes peak-peak, max. (bandwidth: 20 MHz)	240 mV
Output voltage setting Via potentiometer; max. 480 W Status display Green LED for 24 V OK Signaling Relay contact (NO contact, rating 50 V DC/ 0.3 A) for "24 V OK" No overshoot of Vout (soft start) Startup delay, max. 1.5 s Voltage rise, typ. 50 ms Voltage increase time of the output voltage maximum Rated current value lout rated 20 A Current range Note	Adjustment range	24 28 V
Status display Green LED for 24 V OK Signaling Relay contact, (NO contact, rating 50 V DC/ 0.3 A) for "24 V OK" No overshoot of Vout (soft start) Startup delay, max. 1.5 s Voltage increase time of the output voltage maximum Soo ms Voltage increase time of the output voltage maximum Soo ms Rated current value lout rated 20 A Current range Note	Product function Output voltage adjustable	Yes
Signaling Relay contact (NO contact, rating 50 V DC/ 0.3 A) for "24 V OK" On/off behavior No overshoot of Vout (soft start) Startup delay, max. 1.5 s Voltage rise, typ. 50 ms Voltage increase time of the output voltage maximum 500 ms Rated current value lout rated 20 A Current range 0 20 A Current range 4 24 A up to +45°C; +60 +70 °C: Derating 5%/K Active power supplied typical 480 W Short-term overload current on short-circuiting during the start-up typical 35 A Duration of overloading capability for excess current on short-circuiting during the start-up 100 ms at short-circuit during operation 100 ms Parallel switching for enhanced performance Yes Numbers of parallel switchable units for enhanced performance Efficiency Efficiency at Vout rated, lout rated, approx. 53 W Closed-loop control Dynamic mains compensation (Vin rated ±15 %), max. Dynamic load smoothing (lout: 50/100/50 %), Uout ± typ. Setting time maximum 10 ms Protection and monitoring Output overvoltage protection Yes, according to EN 60950-1 Current limitation, typ. 21 A Property of the output Short-circuit proof	Output voltage setting	via potentiometer; max. 480 W
On/off behavior Startup delay, max. 1.5 s Voltage rise, typ. Voltage increase time of the output voltage maximum 500 ms Rated current value lout rated 20 A Current range • Note • Note Active power supplied typical Short-term overload current • on short-circuiting during the start-up typical Duration of overloading capability for excess current • on short-circuit during operation typical Duration of overloading during the start-up • at short-circuit during operation Parallel switching for enhanced performance Numbers of parallel switchable units for enhanced performance Fifficiency Efficiency Efficiency at Vout rated, lout rated, approx. Power loss at Vout rated, lout rated, approx. Power loss at Vout rated, lout rated ±15 %), max. Dynamic load smoothing (lout: 50/100/50 %), Uout ± typ. Setting time maximum 10 ms Protection and monitoring Output overvoltage protection Yes, according to EN 60950-1 Current limitation, typ. 21 A Property of the output Short-circuit proof	Status display	Green LED for 24 V OK
Startup delay, max. Voltage rise, typ. Voltage increase time of the output voltage maximum Rated current value lout rated 20 A Current range • Note • Note Active power supplied typical Short-term overload current • on short-circuiting during the start-up typical • at short-circuit during operation typical Duration of overloading capability for excess current • on short-circuiting during the start-up • at short-circuiting during the start-up • at short-circuiting operation 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. Dynamic load smoothing (lout: 50/100/50 %), Uout ± typ. Setting time maximum 10 ms Protection and monitoring Output overvoltage protection Yes, according to EN 60950-1 Current limitation, typ. Property of the output Short-circuit proof Yes	Signaling	Relay contact (NO contact, rating 50 V DC/ 0.3 A) for "24 V OK"
Voltage rise, typ. Voltage increase time of the output voltage maximum Rated current value lout rated 20 A Current range • Note Active power supplied typical Short-term overload current • on short-circuiting during the start-up typical • at short-circuit during operation typical Duration of overloading capability for excess current • on short-circuit during operation • on short-circuit during operation • at short-circuit during operation Parallel switching for enhanced performance Parallel switching for enhanced performance Perficiency Efficiency 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. Setting time maximum 10 ms Protection and monitoring Output overvoltage protection Yes, according to EN 60950-1 Current limitation, typ. Property of the output Short-circuit proof	On/off behavior	No overshoot of Vout (soft start)
Voltage increase time of the output voltage maximum Rated current value lout rated 20 A Current range • Note 24 A up to +45°C; +60 +70 °C: Derating 5%/K Active power supplied typical 8hort-term overload current • on short-circuiting during the start-up typical • at short-circuiting during operation typical • at short-circuiting during the start-up • on short-circuiting during the start-up • at short-circuit during operation • on short-circuiting during the start-up • at short-circuit during operation • at short-circuit proof • at short-circuit during operation • at short-circuit during • at short-c	Startup delay, max.	1.5 s
Rated current value lout rated Current range Note Note 24 A up to +45°C; +60 +70 °C: Derating 5%/K Active power supplied typical Short-term overload current on short-circuiting during the start-up typical at short-circuit during operation typical Duration of overloading capability for excess current on short-circuiting during the start-up at short-circuiting during the start-up at short-circuiting during the start-up at short-circuit during operation Parallel switching for enhanced performance Numbers of parallel switchable units for enhanced performance Efficiency Efficiency Efficiency Efficiency at Vout rated, lout rated, approx. Power loss at Vout rated, lout rated, approx. 53 W Closed-loop control Dynamic mains compensation (Vin rated ±15 %), max. Dynamic load smoothing (lout: 50/100/50 %), Uout ± 1yp. Setting time maximum 10 ms Protection and monitoring Output overvoltage protection Yes, according to EN 60950-1 Current limitation, typ. Property of the output Short-circuit proof	Voltage rise, typ.	50 ms
O 20 A • Note • Note Active power supplied typical • Note Active power supplied typical • on short-circuiting during the start-up typical • at short-circuit during operation • on short-circuiting during the start-up • on short-circuit during operation • at short-circuit during operation • at short-circuit during operation • at short-circuit during operation • Australial 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. • Sa W Closed-loop control Dynamic mains compensation (Vin rated ±15 %), max. Dynamic load smoothing (lout: 50/100/50 %), Uout ± typ. Setting time maximum 10 ms Protection and monitoring Output overvoltage protection Current limitation, typ. Property of the output Short-circuit proof Yes	Voltage increase time of the output voltage maximum	500 ms
Note Active power supplied typical Active power supplied typical Short-term overload current on short-circuiting during the start-up typical at short-circuit during operation typical Touration of overloading capability for excess current on short-circuiting during the start-up at at short-circuit during operation Active power short-circuit during operation power short-circuit during operation Active power short-circuit during operation power short-circuit proof Active power supplied typical Association at short-circuit proof Association and short-circuit proof Association a	Rated current value lout rated	20 A
Active power supplied typical Short-term overload current on short-circuiting during the start-up typical at short-circuit during operation typical on short-circuit during operation typical Touration of overloading capability for excess current on short-circuiting during the start-up at short-circuit during operation at short-circuit during operation 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. Dynamic mains compensation (Vin rated ±15 %), max. Dynamic load smoothing (lout: 50/100/50 %), Uout ± typ. Setting time maximum 10 ms Protection and monitoring Output overvoltage protection Current limitation, typ. Property of the output Short-circuit proof Yes	Current range	0 20 A
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on short-circuiting during the start-up typical at short-circuit during operation typical on short-circuit during operation typical Duration of overloading capability for excess current on short-circuiting during the start-up at short-circuiting during the start-up at short-circuit during operation Parallel switching for enhanced performance Numbers of parallel switchable units for enhanced performance Efficiency Efficiency Efficiency Efficiency at Vout rated, lout rated, approx. Power loss at Vout rated, lout rated, approx. 53 W Closed-loop control Dynamic mains compensation (Vin rated ±15 %), max. Dynamic load smoothing (lout: 50/100/50 %), Uout ± typ. Setting time maximum 10 ms Protection and monitoring Output overvoltage protection Current limitation, typ. Property of the output Short-circuit proof Yes	Active power supplied typical	480 W
at short-circuit during operation typical Duration of overloading capability for excess current on short-circuiting during the start-up at short-circuit during operation at short-circuit during operation Parallel switching for enhanced performance Numbers of parallel switchable units for enhanced performance Efficiency Efficiency Efficiency Efficiency at Vout rated, lout rated, approx. Power loss at Vout rated, lout rated, approx. 53 W Closed-loop control Dynamic mains compensation (Vin rated ±15 %), max. Dynamic load smoothing (lout: 50/100/50 %), Uout ± typ. Setting time maximum 10 ms Protection and monitoring Output overvoltage protection Current limitation, typ. Property of the output Short-circuit proof Yes	Short-term overload current	
Duration of overloading capability for excess current • on short-circuiting during the start-up • at short-circuit during operation 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. Dynamic mains compensation (Vin rated ±15 %), max. Dynamic load smoothing (lout: 50/100/50 %), Uout ± 3 % typ. Setting time maximum 10 ms Protection and monitoring Output overvoltage protection Current limitation, typ. Property of the output Short-circuit proof Yes	 on short-circuiting during the start-up typical 	35 A
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at short-circuit during operation 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. Dynamic mains compensation (Vin rated ±15 %), max. Dynamic load smoothing (lout: 50/100/50 %), Uout ± typ. Setting time maximum Protection and monitoring Output overvoltage protection Current limitation, typ. Property of the output Short-circuit proof Yes Yes Yes 100 ms 100 ms	Duration of overloading capability for excess current	
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. 53 W Closed-loop control Dynamic mains compensation (Vin rated ±15 %), max. Dynamic load smoothing (lout: 50/100/50 %), Uout ± typ. Setting time maximum 10 ms Protection and monitoring Output overvoltage protection Current limitation, typ. Property of the output Short-circuit proof Yes	 on short-circuiting during the start-up 	100 ms
Numbers of parallel switchable units for enhanced performance Efficiency Efficiency at Vout rated, lout rated, approx. 90 % Power loss at Vout rated, lout rated, approx. 53 W Closed-loop control Dynamic mains compensation (Vin rated ±15 %), max. Dynamic load smoothing (lout: 50/100/50 %), Uout ± typ. Setting time maximum 10 ms Protection and monitoring Output overvoltage protection Yes, according to EN 60950-1 Current limitation, typ. 21 A Property of the output Short-circuit proof Yes	at short-circuit during operation	100 ms
Efficiency Efficiency at Vout rated, lout rated, approx. 90 % Power loss at Vout rated, lout rated, approx. 53 W Closed-loop control Dynamic mains compensation (Vin rated ±15 %), max. Dynamic load smoothing (lout: 50/100/50 %), Uout ± typ. Setting time maximum 10 ms Protection and monitoring Output overvoltage protection Yes, according to EN 60950-1 Current limitation, typ. 21 A Property of the output Short-circuit proof Yes	Parallel switching for enhanced performance	Yes
Efficiency Efficiency at Vout rated, lout rated, approx. Power loss at Vout rated, lout rated, approx. 53 W Closed-loop control Dynamic mains compensation (Vin rated ±15 %), max. Dynamic load smoothing (lout: 50/100/50 %), Uout ± typ. Setting time maximum 10 ms Protection and monitoring Output overvoltage protection Current limitation, typ. Property of the output Short-circuit proof Yes		2
Efficiency at Vout rated, lout rated, approx. Power loss at Vout rated, lout rated, approx. 53 W Closed-loop control Dynamic mains compensation (Vin rated ±15 %), max. Dynamic load smoothing (lout: 50/100/50 %), Uout ± 3 % typ. Setting time maximum 10 ms Protection and monitoring Output overvoltage protection Current limitation, typ. Property of the output Short-circuit proof Yes, according to EN 60950-1 Yes		
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 ± 3 % typ. Setting time maximum 10 ms Protection and monitoring Output overvoltage protection Current limitation, typ. Property of the output Short-circuit proof Yes		00.04
Closed-loop control Dynamic mains compensation (Vin rated ±15 %), max. Dynamic load smoothing (lout: 50/100/50 %), Uout ± 3 % typ. Setting time maximum 10 ms Protection and monitoring Output overvoltage protection Yes, according to EN 60950-1 Current limitation, typ. Property of the output Short-circuit proof Yes		
Dynamic mains compensation (Vin rated ±15 %), max. Dynamic load smoothing (lout: 50/100/50 %), Uout ± typ. Setting time maximum 10 ms Protection and monitoring Output overvoltage protection Current limitation, typ. Property of the output Short-circuit proof Yes	Power loss at Vout rated, lout rated, approx.	53 W
max. Dynamic load smoothing (lout: 50/100/50 %), Uout ± 3 % typ. Setting time maximum 10 ms Protection and monitoring Output overvoltage protection Current limitation, typ. Property of the output Short-circuit proof Yes	Closed-loop control	
Dynamic load smoothing (lout: 50/100/50 %), Uout ± typ. Setting time maximum 10 ms Protection and monitoring Output overvoltage protection Current limitation, typ. Property of the output Short-circuit proof Yes	Dynamic mains compensation (Vin rated ±15 %),	1 %
typ. Setting time maximum 10 ms Protection and monitoring Output overvoltage protection Current limitation, typ. Property of the output Short-circuit proof Yes Yes		
Setting time maximum Protection and monitoring Output overvoltage protection Current limitation, typ. Property of the output Short-circuit proof 10 ms Yes, according to EN 60950-1 21 A Yes		3 %
Protection and monitoring Output overvoltage protection Current limitation, typ. Property of the output Short-circuit proof Yes, according to EN 60950-1 21 A Yes		40
Output overvoltage protection Yes, according to EN 60950-1 Current limitation, typ. 21 A Property of the output Short-circuit proof Yes	Setting time maximum	10 ms
Current limitation, typ. 21 A Property of the output Short-circuit proof Yes	Protection and monitoring	
Property of the output Short-circuit proof Yes		Yes, according to EN 60950-1
	Current limitation, typ.	21 A
Short-circuit protection Electronic shutdown, automatic restart	<u> </u>	Yes
	Short-circuit protection	Electronic shutdown, automatic restart

Enduring short circuit current RMS value	
• maximum	7 A
Overcurrent overload capability in normal operation	overload capability 150 % lout rated up to 5 s/min
Overload/short-circuit indicator	-

Safety	
Primary/secondary isolation	Yes
Galvanic isolation	Safety extra-low output voltage Uout acc. to EN 60950-1 and EN 50178
Protection class	Class I
Leakage current	
• maximum	3.5 mA
• typical	1 mA
CE mark	Yes
UL/CSA approval	Yes
UL/cUL (CSA) approval	cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259; in preparation: cCSAus (CSA C22.2 No. 60950-1, UL 60950-1)
Explosion protection	ATEX (EX) II 3G Ex nA nC IIC T4 Gc; cCSAus (CSA C22.2 No. 213, ANSI/ISA-12.12.01) Class I, Div. 2, Group ABCD, T4
Certificate of suitability IECEx	No
Certificate of suitability NEC Class 2	No
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	
during operation	0 70 °C
— Note	with natural convection
during transport	-40 +85 °C
during storage	-40 +85 °C
Humidity class according to EN 60721	Climate class 3K3, no condensation

Mechanics	
Connection technology	screw-type terminals
Connections	
 Supply input 	L1, N, PE: 1 screw terminal each for 0.2 4 mm² single-core/finely stranded
Output	+, -: 2 screw terminals each for 0.2 4 mm²
 Auxiliary 	13, 14 (alarm signal): 1 screw terminal each for 0.14 1.5 mm ²

Width of the enclosure	115 mm
Height of the enclosure	145 mm
Depth of the enclosure	150 mm
Weight, approx.	2.4 kg
Product property of the enclosure housing for side- by-side mounting	Yes
Installation	Snaps onto DIN rail EN 60715 35x7.5/15
Electrical accessories	Buffer module
Mechanical accessories	Device identification label 20 mm × 7 mm, pastel-turpuoise 3RT1900-1SB20
Other information	Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)