## **SIEMENS**

Data sheet 6EP1336-2BA10



SITOP PSU100S/1AC/24VDC/20A

SITOP PSU100S 20 A Stabilized power supply input: 120/230 V AC, output: 24 V DC/20 A

Input	Input	
Supply voltage	Input	1-phase AC
• 1 at AC rated value • 2 at AC rated value 230 V  input voltage • 1 at AC • 2 at AC • 2 at AC  • 2 at AC  Wide-range input  Overvoltage resistance 2.3 × Vin rated, 1.3 ms  Mains buffering at Vin = 120/230 V  Mains buffering at lout rated, min. 20 ms; at Vin = 120/230 V  Rated line frequency 1  Rated line frequency 2  60 Hz  Rated line range input current • at rated input voltage 230 V  • at rated input voltage 230 V  • at rated input voltage 230 V  Switch-on current limiting (+25 °C), max.  11 A  Pt, max.  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  Rated voltage Vout DC • output voltage at output 1 at DC rated value 24 V • output voltage at output 1 at DC rated value 24 V  Static mains compensation, approx.  Static load balancing, approx.  1 %  Residual ripple peak-peak, max.  Spikes peak-peak, max.  Spikes peak-peak, max.  (Spikes peak-peak, max. (Spikes peak-peak, max. (Spikes peak-peak, max. (Spikes peak-peak, max. (Spikes peak-peak, max. (Spikes peak-peak, max. (Spikes peak-peak, max. (Spikes peak-peak, max. (Spikes peak-peak, max. (Spikes peak-peak, max. (Spikes peak-peak, max. (Spikes peak-peak, max. (Spikes peak-peak, max. (Spikes peak-peak, max. (Spikes peak-peak) via potentiometer; max. 480 W  Status display  Green LED for 24 V OK	Note	Automatic range selection
■ 2 at AC rated value   230 V	supply voltage	
Input voltage	<ul> <li>1 at AC rated value</li> </ul>	120 V
■ 1 at AC     ■ 2 at AC     ■ 176 264 V  Wide-range input  Overvoltage resistance     ■ 2.3 × Vin rated, 1.3 ms  Mains buffering     at Vin = 120/230 V  Mains buffering at lout rated, min.  Rated line frequency 1  Rated line frequency 2  Rated line frequency 2  Rated line range     input current     ■ at rated input voltage 120 V     ■ at rated input voltage 230 V  Switch-on current limiting (+25 °C), max.  Prt, max.  Built-in incoming fuse  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  Output  Controlled, isolated DC voltage Rated voltage Yout DC  • output voltage at output 1 at DC rated value  Total tolerance, static ±  3 %  Static mains compensation, approx.  1 %  Residual ripple peak-peak, max.  150 mV  Spikes peak-peak, max. (bandwidth: 20 MHz)  Adjustment range  product function output voltage adjustable  Ves  Output voltage setting  via potentiometer, max. 480 W  Green LED for 24 V OK	<ul> <li>2 at AC rated value</li> </ul>	230 V
● 2 at AC         176 264 V           Wide-range input         No           Overvoltage resistance         2.3 × Vin rated, 1.3 ms           Mains buffering         at Vin = 120/230 V           Mains buffering at lout rated, min.         20 ms; at Vin = 120/230 V           Rated line frequency 1         50 Hz           Rated line frequency 2         60 Hz           Rated line range         47 63 Hz           input current         • at rated input voltage 230 V           • at rated input voltage 230 V         3.5 A           Switch-on current limiting (+25 °C), max.         11 A           I***, 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           Rated voltage Vout DC         24 V           • output voltage at output 1 at DC rated value         24 V           Total tolerance, static ±         3 %           Static mains compensation, approx.         1 %           Residual ripple peak-peak, max.         150 mV           Spikes peak-peak, max. (bandwidth: 20 MHz)         24 28 V	input voltage	
Wide-range input     No       Overvoltage resistance     2.3 × Vin rated, 1.3 ms       Mains buffering     at Vin = 120/230 V       Mains buffering at lour rated, min.     20 ms; at Vin = 120/230 V       Rated line frequency 1     50 Hz       Rated line frequency 2     60 Hz       Rated line range     47 63 Hz       input current     • at rated input voltage 120 V       • at rated input voltage 230 V     3.5 A       Switch-on current limiting (+25 °C), max.     11 A       Pt, 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 3R/V2411-1JA10 (120 V) or 3RV2411-1FA10 (230 V)       Output     Controlled, isolated DC voltage       Rated voltage Vout DC     24 V       • output voltage at output 1 at DC rated value     24 V       Total tolerance, static ±     3 %       Static mains compensation, approx.     1 %       Static load balancing, approx.     1 %       Residual ripple peak-peak, max.     150 mV       Spikes 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 </td <td>• 1 at AC</td> <td>85 132 V</td>	• 1 at AC	85 132 V
Overvoltage resistance         2.3 × Vin rated, 1.3 ms           Mains buffering         at Vin = 120/230 V           Mains buffering at lout rated, min.         20 ms; at Vin = 120/230 V           Rated line frequency 1         50 Hz           Rated line frequency 2         60 Hz           Rated line range         47 63 Hz           input current         • at rated input voltage 120 V           • 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           Rated voltage Vout DC         24 V           • output voltage at output 1 at DC rated value         24 V           Total tolerance, static ±         3 %           Static mains compensation, approx.         1 %           Static load balancing, approx.         1 %           Residual ripple peak-peak, max.         150 mV           Spikes peak-peak, max. (bandwidth: 20 MHz)         24 28 V           Product function output voltage adjustable	• 2 at AC	176 264 V
Mains buffering         at Vin = 120/230 V           Mains buffering at lout rated, min.         20 ms; at Vin = 120/230 V           Rated line frequency 1         50 Hz           Rated line frequency 2         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           I**, 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           Rated voltage Vout DC         24 V           • output voltage at output 1 at DC rated value         24 V           Total tolerance, static ±         3 %           Static mains compensation, approx.         1 %           Static load balancing, approx.         1 %           Residual ripple peak-peak, max.         150 mV           Spikes peak-peak, max. (bandwidth: 20 MHz)         24 28 V           Output voltage setting         via potentiometer; max. 480 W           Status display	Wide-range input	No
Mains buffering at lout rated, min.  Rated line frequency 1  Rated line frequency 2  Rated line frequency 2  Rated line range  47 63 Hz  Input current  • at rated input voltage 120 V  • at rated input voltage 230 V  Switch-on current limiting (+25 °C), max.  It, max.  10 A²-s  Built-in incoming fuse  Protection in the mains power input (IEC 898)  Controlled, isolated DC voltage  Rated voltage Vout DC  • output Voltage at output 1 at DC rated value  Total tolerance, static ±  Static mains compensation, approx.  Static load balancing, approx.  Residual ripple peak-peak, max.  Spikes peak-peak, max.  Static mains compensation Spikes peak-peak, max.  Spikes peak-peak, max.  Spikes peak-peak, max.  (bandwidth 20 MHz)  Ves  Output voltage adjustable  Yes  Output voltage setting  Via potentiometer; max. 480 W  Status display  Green LED for 24 V OK	Overvoltage resistance	2.3 × Vin rated, 1.3 ms
Rated line frequency 1  Rated line frequency 2  Rated line range input current  • at rated input voltage 120 V  • at rated input voltage 230 V  Switch-on current limiting (+25 °C), max.  It A  It, max.  Built-in incoming fuse  Protection in the mains power input (IEC 898)  Controlled, isolated DC voltage  Rated voltage Vout DC  • output  Controlled, isolated DC voltage  Rated voltage at output 1 at DC rated value  Total tolerance, static ±  Static load balancing, approx.  Static load balancing, approx.  Residual ripple peak-peak, max.  Spikes peak-peak, max. (bandwidth: 20 MHz)  Adjustment range  Output voltage setting  Output voltage adjustable  Output voltage setting  Output voltage adjustable  Output voltage adjustable  Output voltage adjustable  Output voltage setting  Via potentiometer; max. 480 W  Status display  Green LED for 24 V OK	Mains buffering	at Vin = 120/230 V
Rated line frequency 2 Rated line range input current • at rated input voltage 120 V • at rated input voltage 230 V 3.5 A  Switch-on current limiting (+25 °C), max.  I1 A  I**It, max. Built-in incoming fuse Protection in the mains power input (IEC 898)  Controlled, isolated DC voltage  Rated voltage Vout DC Rated voltage Vout DC  a output voltage at output 1 at DC rated value Total tolerance, static ± 3 % Static load balancing, approx.  Static load balancing, approx.  Residual ripple peak-peak, max.  Spikes peak-peak, max. (bandwidth: 20 MHz) Adjustment range Output voltage setting Via potentianeter; max. 480 W Status display  Green LED for 24 V OK	Mains buffering at lout rated, min.	20 ms; at Vin = 120/230 V
Rated line range  input current  • at rated input voltage 120 V  • at rated input voltage 230 V  Switch-on current limiting (+25 °C), max.  11 A  I²t, max.  10 A²-s  Built-in incoming fuse  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  Output  Controlled, isolated DC voltage  Rated voltage Vout DC  • output voltage at output 1 at DC rated value  Total tolerance, static ±  3 %  Static mains compensation, approx.  5 tatic load balancing, approx.  1 %  Residual ripple peak-peak, max.  Spikes peak-peak, max.  150 mV  Spikes peak-peak, max.  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	Rated line frequency 1	50 Hz
input current  • at rated input voltage 120 V  • at rated input voltage 230 V  Switch-on current limiting (+25 °C), max.  It A  It, max.  Built-in incoming fuse  Protection in the mains power input (IEC 898)  Controlled, isolated DC voltage  Rated voltage Vout DC  Active to evaluate the voltage at output 1 at DC rated value  Total tolerance, static ±  Static mains compensation, approx.  Static load balancing, approx.  Active pack-peak, max.  Spikes peak-peak, max.  Spikes peak-peak, max.  Spikes peak-peak, max.  Adjustment range  product function output voltage adjustable  Prose output voltage setting  Via potentiometer; max. 480 W  Green LED for 24 V OK	Rated line frequency 2	60 Hz
at rated input voltage 120 V at rated input voltage 230 V  Switch-on current limiting (+25 °C), max.  It A  It, max.  Built-in incoming fuse  Protection in the mains power input (IEC 898)  Controlled, isolated DC voltage  Rated voltage Vout DC  At tolerance, static ±  Static mains compensation, approx.  Static load balancing, approx.  Static load balancing, approx.  Spikes peak-peak, max.  Spikes peak-peak, max.  Spikes peak-peak, max.  Spikes peak-peak, max.  Output voltage adjustable  Protection in the mains power input (IEC 898)  Total voltage adjustable  At to a voltage and to the peak-peak product of the peak-peak product function output voltage adjustable  Yes  Output voltage setting  via potentiometer; max. 480 W  Status display  Green LED for 24 V OK	Rated line range	47 63 Hz
● at rated input voltage 230 V  Switch-on current limiting (+25 °C), max.    11 A	input current	
Switch-on current limiting (+25 °C), max.  It A  It, max.  Built-in incoming fuse  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  Output  Controlled, isolated DC voltage  Rated voltage Vout DC  4 V  output voltage at output 1 at DC rated value  Total tolerance, static ±  Static mains compensation, approx.  Static load balancing, approx.  Static load balancing, approx.  Residual ripple peak-peak, max.  Spikes peak-peak, max. (bandwidth: 20 MHz)  Adjustment range  product function output voltage adjustable  Output voltage setting  Via potentiometer; max. 480 W  Status display  Green LED for 24 V OK	<ul> <li>at rated input voltage 120 V</li> </ul>	7.5 A
I²t, max.  Built-in incoming fuse  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  Output  Controlled, isolated DC voltage  Rated voltage Vout DC  output voltage at output 1 at DC rated value  Total tolerance, static ±  Static mains compensation, approx.  Static load balancing, approx.  Static load balancing, approx.  Residual ripple peak-peak, max.  Spikes peak-peak, max. (bandwidth: 20 MHz)  Adjustment range  product function output voltage adjustable  Output voltage setting  Status display  Green LED for 24 V OK	<ul> <li>at rated input voltage 230 V</li> </ul>	3.5 A
Built-in incoming fuse  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  Output  Controlled, isolated DC voltage  Rated voltage Vout DC  • output voltage at output 1 at DC rated value  24 V  Total tolerance, static ±  3 %  Static mains compensation, approx.  Static load balancing, approx.  Static load balancing, approx.  Residual ripple peak-peak, max.  Spikes peak-peak, max. (bandwidth: 20 MHz)  Adjustment range  24 28 V  product function output voltage adjustable  Output voltage setting  Via potentiometer; max. 480 W  Status display  Green LED for 24 V OK	Switch-on current limiting (+25 °C), max.	11 A
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  Output  Controlled, isolated DC voltage  Rated voltage Vout DC  • output voltage at output 1 at DC rated value  24 V  Total tolerance, static ±  3 %  Static mains compensation, approx.  5 tatic load balancing, approx.  Residual ripple peak-peak, max.  Spikes peak-peak, max. (bandwidth: 20 MHz)  Adjustment range  24 28 V  product function output voltage adjustable  Output voltage setting  Via potentiometer; max. 480 W  Status display  Green LED for 24 V OK	I²t, max.	10 A <sup>2</sup> ·s
Output  Output  Controlled, isolated DC voltage  Rated voltage Vout DC  ● output voltage at output 1 at DC rated value  Static mains compensation, approx.  Static load balancing, approx.  Residual ripple peak-peak, max.  Spikes peak-peak, max. (bandwidth: 20 MHz)  Adjustment range  Output voltage adjustable  Yes  Output voltage as output 1 at DC rated value  24 V  7 total tolerance, static ±  3 %  Static load balancing, approx.  1 %  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  Green LED for 24 V OK	Built-in incoming fuse	T 10 A (not accessible)
Output  Rated voltage Vout DC  ● output voltage at output 1 at DC rated value  Total tolerance, static ±  Static mains compensation, approx.  Static load balancing, approx.  Residual ripple peak-peak, max.  Spikes peak-peak, max. (bandwidth: 20 MHz)  Adjustment range  Output voltage setting  Via potentiometer; max. 480 W  Status display  Green LED for 24 V OK	Protection in the mains power input (IEC 898)	
Rated voltage Vout DC 24 V   ● output voltage at output 1 at DC rated value 24 V   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. (bandwidth: 20 MHz) 240 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	Output	
● output voltage at output 1 at DC rated value  Total tolerance, static ±  Static mains compensation, approx.  Static load balancing, approx.  Residual ripple peak-peak, max.  Spikes peak-peak, max. (bandwidth: 20 MHz)  Adjustment range  product function output voltage adjustable  Output voltage setting  Status display  24 V  24 V  25 V  26 V  27 V  28 V  29 V  29 V  20 MY  20 MY  20 MHz  20 MHz  21 MHz  22 MHz  23 MHz  24 MV  Adjustment range  Coutput voltage adjustable  Ves  Output voltage setting  Via potentiometer; max. 480 W  Green LED for 24 V OK	Output	Controlled, isolated DC voltage
Total tolerance, static ±  Static mains compensation, approx.  Static load balancing, approx.  Residual ripple peak-peak, max.  Spikes peak-peak, max. (bandwidth: 20 MHz)  Adjustment range  product function output voltage adjustable  Output voltage setting  Status display  Status display  3 %  0.5 %  1 %  240 mV  240 mV  240 mV  Adjustment range  yes  Output voltage setting  via potentiometer; max. 480 W  Green LED for 24 V OK	Rated voltage Vout DC	24 V
Static mains compensation, approx.  Static load balancing, approx.  Residual ripple peak-peak, max.  Spikes peak-peak, max. (bandwidth: 20 MHz)  Adjustment range  product function output voltage adjustable  Output voltage setting  Status display  O.5 %  1 %  240 mV  240 mV  Yes  Output voltage setting  via potentiometer; max. 480 W  Green LED for 24 V OK	<ul> <li>output voltage at output 1 at DC rated value</li> </ul>	24 V
Static load balancing, approx.  Residual ripple peak-peak, max.  Spikes peak-peak, max. (bandwidth: 20 MHz)  Adjustment range  product function output voltage adjustable  Output voltage setting  Status display  1 %  240 mV  241 28 V  Yes  Via potentiometer; max. 480 W  Green LED for 24 V OK	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  Output voltage setting  Via potentiometer; max. 480 W  Status display  Green LED for 24 V OK	Static mains compensation, approx.	0.5 %
Spikes peak-peak, max. (bandwidth: 20 MHz)  Adjustment range  24 28 V  product function output voltage adjustable  Output voltage setting  Via potentiometer; max. 480 W  Status display  Green LED for 24 V OK	Static load balancing, approx.	1 %
Adjustment range  24 28 V  product function output voltage adjustable  Output voltage setting  Via potentiometer; max. 480 W  Status display  Green LED for 24 V OK	Residual ripple peak-peak, max.	150 mV
product function output voltage adjustable  Output voltage setting  Via potentiometer; max. 480 W  Status display  Green LED for 24 V OK	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	Adjustment range	24 28 V
Status display Green LED for 24 V OK	product function output voltage adjustable	Yes
	Output voltage setting	via potentiometer; max. 480 W
Signaling Relay contact (NO contact, rating 50 V DC/ 0.3 A) for "24 V OK"	Status display	Green LED for 24 V OK
- 3 - 3	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
Note	24 A up to +45°C; +60 +70 °C: Derating 5%/K
supplied active power typical	480 W
short-term overload current	
on short-circuiting during the start-up typical	35 A
at short-circuit during operation 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	2
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.	1 %
Dynamic load smoothing (lout: 50/100/50 %), Uout ± typ.	3 %
setting time maximum	10 ms
Protection and monitoring	10 1113
-	Voc. according to EN 60050.1
Output overvoltage protection	Yes, according to EN 60950-1
Current limitation, typ.	21 A
property of the output short-circuit proof	Yes
Short-circuit protection	Electronic shutdown, automatic restart
enduring short circuit current RMS value	7.0
• 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
Degree of protection (EN 60529)	IP20
Approvals	
CE mark	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)
Explosion protection	
Explosion protostion	IECEx Ex nA nC IIC T4 Gc; ATEX (EX) II 3G Ex ec 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 NEC Class 2	cCSAus (CSA C22.2 No. 213, ANSI/ISA-12.12.01) Class I, Div. 2,
	cCSAus (CSA C22.2 No. 213, ANSI/ISA-12.12.01) Class I, Div. 2, Group ABCD, T4
certificate of suitability NEC Class 2	cCSAus (CSA C22.2 No. 213, ANSI/ISA-12.12.01) Class I, Div. 2, Group ABCD, T4 No
certificate of suitability NEC Class 2 FM approval	cCSAus (CSA C22.2 No. 213, ANSI/ISA-12.12.01) Class I, Div. 2, Group ABCD, T4  No -
certificate of suitability NEC Class 2 FM approval CB approval	cCSAus (CSA C22.2 No. 213, ANSI/ISA-12.12.01) Class I, Div. 2, Group ABCD, T4 No - Yes
certificate of suitability NEC Class 2  FM approval  CB approval  certificate of suitability EAC approval	cCSAus (CSA C22.2 No. 213, ANSI/ISA-12.12.01) Class I, Div. 2, Group ABCD, T4  No  -  Yes  Yes
certificate of suitability NEC Class 2  FM approval  CB approval  certificate of suitability EAC approval  Marine approval  EMC	cCSAus (CSA C22.2 No. 213, ANSI/ISA-12.12.01) Class I, Div. 2, Group ABCD, T4  No  -  Yes  Yes  DNV GL
certificate of suitability NEC Class 2  FM approval  CB approval  certificate of suitability EAC approval  Marine approval  EMC  Emitted interference	cCSAus (CSA C22.2 No. 213, ANSI/ISA-12.12.01) Class I, Div. 2, Group ABCD, T4 No - Yes Yes DNV GL EN 55022 Class B
certificate of suitability NEC Class 2  FM approval  CB approval  certificate of suitability EAC approval  Marine approval  EMC	cCSAus (CSA C22.2 No. 213, ANSI/ISA-12.12.01) Class I, Div. 2, Group ABCD, T4  No  -  Yes  Yes  DNV GL

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, 5 95% no condensation
Mechanics	Olimate diass site, 5 5576 file condensation
	and the state of t
Connection technology	screw-type terminals
Connections	
Supply input	L1, N, PE: 1 screw terminal each for 0.2 4 mm <sup>2</sup> single-core/finely stranded
<ul><li>Output</li></ul>	+, -: 2 screw terminals each for 0.2 4 mm <sup>2</sup>
Auxiliary	13, 14 (alarm signal): 1 screw terminal each for 0.14 1.5 mm <sup>2</sup>
width of the enclosure	115 mm
height of the enclosure	145 mm
depth of the enclosure	150 mm
required spacing	
• top	50 mm
• bottom	50 mm
• left	0 mm
• right	0 mm
Weight, approx.	2.4 kg
product feature of the enclosure housing can be lined up	Yes
Installation	Snaps onto DIN rail EN 60715 35x7.5/15
electrical accessories	Buffer module
mechanical accessories	Device identification label 20 mm × 7 mm, pale turquoise 3RT1900- 1SB20
MTBF at 40 °C	1 778 916 h
other information	Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)

