SIEMENS

Data sheet 6EP1334-1LB00



SITOP PSU100L/1AC/24VDC/10A

SITOP PSU100L 24 V/10 A Stabilized power supply input: 120/230 V AC, output: DC 24 V/10 A

type of the power supply network supply voltage at AC initial value supply voltage 1 at AC rated value 2 at AC rated value 3 at AC rated value 2 at AC rated value 2 at AC rated value 2 at AC rated value 3 at Vin 2 at AC rated value 4 at Vin rated, 1.3 ms 4 vin rated, 1.3 ms 4 vin rated, 1.3 ms 4 vin rated, 1.3 ms 5 vin rated, 1.3 ms 6 vin rated value 5 vin rated value 5 vin rated value 5 vin rated value 6 vin rated input voltage 230 vin rated, 1.3 ms 6 vin rated value 1 vin rated value 6 vin rated value 1 vin rated value 2 vin	Input	
initial value supply voltage 1 at AC rated value 2 at AC 3 at AC 3 at AC 3 at AC 3 at AC 4 at AC 4 at AC 4 at AC 5 at AC 5 at AC 4 at AC 5 at AC 5 at AC 5 at AC 5 at AC 6 as Jon of input wide range input 5 at AC 6 as Jon of input wide range input 6 at AC 6 as Jon of input wide range input 7 at AC 8 at AC	type of the power supply network	1-phase AC
supply voltage 1 at AC rated value 2 at AC rated value 120 V 2 at AC 33 132 V 2 at AC design of input wide range input No overvoltage evertioad capability 2.3 * Vin rated, 1.3 ms operating condition of the mains buffering buffering time for rated value of the output current in the event of pover failure minimum operating condition of the mains buffering at Vin = 93/187 V Inine frequency 1 rated value 50 Hz Ine frequency 1 rated value 2 rated value 4 rated input voltage 120 V 4 rated input voltage 230 V 2 A current limitation of inrush current at 25 °C maximum duration of inrush current at 25 °C maximum duration of inrush current imiting at 25 °C 1 typical 3 ms 12t value maximum 3.3 Å*s 12t value maximum 5.3 A ½s 6.5 A commended miniature circuit breaker: from 10 A characteristic C Output voltage curve at output output voltage at DC rated value 2 at output 1 at DC rated value 1 at output 1 at DC rated value 2 at output 1 at DC rated value 1 relative overall tolerance of the voltage 2 on slow fluctuation of input voltage 3 on slow fluctuation of input voltage 3 on slow fluctuation of one loading 3 on slow fluctuation of one loading 3 on slow fluctuation of one loading 4 on slow fluctuation of one loading 5 on slow fluctuation of one loading	supply voltage at AC	
• 1 at AC rated value • 2 at AC rated value • 2 at AC rated value • 2 at AC • 3 as 3 a	initial value	Set by means of selector switch on the device
• 2 at AC rated value 230 V	supply voltage	
input voltage • 1 at AC • 2 at AC design of input wide range input voervoltage overload capability operating condition of the mains buffering buffering time for rated value of the output current in the event of power failure minimum operating condition of the mains buffering at Vin = 93/187 V buffering time for rated value of the output current in the event of power failure minimum operating condition of the mains buffering at Vin = 93/187 V buffering time for rated value of the output current in the event of power failure minimum operating condition of the mains buffering at Vin = 93/187 V buffering time frequency • 1 rated value 50 Hz 60 Hz input current • at rated input voltage 120 V • at rated input voltage 120 V • at rated input voltage 230 V current limitation of inrush current at 25 °C maximum 65 A duration of inrush current at 25 °C • typical 3 ms 12t value maximum 3.3 A²-s fuse protection type • in the feeder Recommended miniature circuit breaker: from 10 A characteristic C Output voltage curve at output output voltage • at output 1 at DC rated value 124 V relative control precision of the output voltage • at output 1 at DC rated value • at output 1 at DC rated value • at output 1 at DC rated value • an on slow fluctuation of input voltage • on slow fluctuation of ofm loading • on slow fluctuation of ofm loading • on slow fluctuation of ofm loading output voltage • on slow fluctuation of ofm loading 0.5 % residual ripple	1 at AC rated value	120 V
• 1 at AC • 2 at AC design of input wide range input overvoltage overload capability operating condition of the mains buffering buffering time for rated value of the output current in the event of power failure minimum operating condition of the mains buffering at Vin = 93/187 V 20 ms operating condition of the mains buffering at Vin = 93/187 V 20 ms operating condition of the mains buffering at Vin = 93/187 V 1 rated value of the quency 1 rated value 1 rated value 1 rated value 1 rated value 2 rated value 3 rated input voltage 120 V 3 rated value 4 rated input voltage 230 V 4 rated value 5 A current limitation of inrush current at 25 °C maximum duration of inrush current limiting at 25 °C 1 rated value 1 rated input voltage 230 V 5 rated value maximum 3 rates 3 rates 3 rates 3 rates 3 rates 4 rated input voltage 230 V 6 rated value at value maximum 3 rates 4 rates 4 rates at value maximum 5 rates 5 rates 6 r	2 at AC rated value	230 V
e2 at AC design of input wide range input No overvoltage overload capability operating condition of the mains buffering at Vin = 93/187 V Duffering time for rated value of the output current in the event of power failure minimum operating condition of the mains buffering Illine frequency ot 1 rated value	input voltage	
design of input wide range input overvoltage overload capability operating condition of the mains buffering buffering time for rated value of the output current in the event of power failure minimum operating condition of the mains buffering at Vin = 93/187 V buffering time for rated value of the output current in the event of power failure minimum operating condition of the mains buffering at Vin = 93/187 V line frequency 1 rated value 2 rated value 3 O Hz 6 O Hz 1 ine frequency 4 7 63 Hz 1 input current 4 at rated input voltage 120 V 4.1 A 4.1 A 4 at rated input voltage 230 V Current limitation of inrush current at 25 °C maximum 65 A duration of inrush current limiting at 25 °C 4 bypical 3 ms 12t value maximum 3.3 A²-s fuse protection type 1 ft. 3.3 A/250 V (not accessible) 1 in the feeder Coutput voltage curve at output Controlled, isolated DC voltage 0 output voltage at DC rated value 24 V relative overall tolerance of the voltage 1 and 1 second relative control precision of the output voltage 1 on slow fluctuation of input voltage 1 on slow fluctuation of ohm loading 1 on slow fluctuation of input voltage 1 on slow fluctuation of input voltage 1 on slow fluctuation of input voltage 2 on slow fluctuation of input voltage 3 on slow fluctuation of input voltage 4 on slow fluctuation of input voltage 5 on slow fluctuation of input voltage 6 on slow fluctuation of input voltage 6 on slow fluctuation of input voltage 7 on slow fluctuation of input voltage 8 on slow fluctuation of input voltage 9 on slow fluctuation of input voltage 9 on slow fluctuation of input voltage	• 1 at AC	93 132 V
overvoltage overload capability operating condition of the mains buffering at Vin = 93/187 V buffering time for rated value of the output current in the event of power failure minimum operating condition of the mains buffering at Vin = 93/187 V line frequency • 1 rated value • 2 rated value • 2 rated value line frequency • 1 rated input voltage 120 V • 1 trated input voltage 230 V current limitation of inrush current at 25 °C maximum 65 A duration of inrush current limiting at 25 °C • (vpical) 12t value maximum 13.3 A2°s fluse protection type • In the feeder • In the feeder Coutput voltage curve at output voltage at DC rated value • at output 1 at DC rated value • at output 1 at DC rated value • on slow fluctuation of input voltage	• 2 at AC	187 264 V
operating condition of the mains buffering buffering time for rated value of the output current in the event of power failure minimum operating condition of the mains buffering at Vin = 93/187 V line frequency • 1 rated value • 2 rated value • 2 rated value • 2 rated value • 3 Hz line frequency • 1 rated input voltage 120 V • at rated input voltage 230 V current • at rated input voltage 230 V current limitation of inrush current at 25 °C maximum duration of inrush current limiting at 25 °C • typical 12t value maximum 3.3 A²-s fuse protection type • in the feeder Output voltage curve at output output voltage • at output 1 at DC rated value 24 V relative control precision of the voltage • on slow fluctuation of input voltage • on slow fluctuation of input voltage • on slow fluctuation of ohm loading residual ripple	design of input wide range input	No
buffering time for rated value of the output current in the event of power failure minimum operating condition of the mains buffering ine frequency • 1 rated value • 2 rated value • 1 rated value • 2 rated value ine frequency • 47 63 Hz input current • at rated input voltage 120 V • at rated input voltage 230 V current limitation of inrush current at 25 °C maximum duration of inrush current limiting at 25 °C • typical 12t value maximum 5 a.3 A²-s fuse protection type • in the feeder voltage curve at output voltage curve at output voltage curve at output output voltage • at output 1 at DC rated value elative control precision of the output voltage • at output 1 at DC rated value relative control precision of the output voltage • on slow fluctuation of input voltage • on slow fluctuation of input voltage • on slow fluctuation of input voltage • on slow fluctuation of ohm loading residual ripple	overvoltage overload capability	2.3 × Vin rated, 1.3 ms
power failure minimum operating condition of the mains buffering line frequency • 1 rated value • 2 rated value • 2 rated value • 30 Hz line frequency • 47 63 Hz line frequency • 1 rated input voltage 120 V • at rated input voltage 230 V • at rated input voltage 230 V current limitation of inrush current at 25 °C maximum duration of inrush current limiting at 25 °C • typical 12t value maximum 3.3. A²-s fuse protection type • in the feeder voltage curve at output voltage curve at output coutput voltage at DC rated value output voltage • at output 1 at DC rated value • at output 1 at DC rated value value voltage • at output 1 at DC rated value • at output 1 of the output voltage • at output 1 of the output voltage • at output 1 precision of the output voltage • on slow fluctuation of input voltage • on slow fluctuation of input voltage • on slow fluctuation of ohm loading residual ripple	operating condition of the mains buffering	at Vin = 93/187 V
line frequency 1 rated value 2 rated value 50 Hz 60 Hz line frequency 47 63 Hz input current 41 rated input voltage 120 V 41 A 41 A 41 rated input voltage 230 V 2 A current limitation of inrush current at 25 °C maximum 45 A duration of inrush current limiting at 25 °C 4 typical 3 ms 12t value maximum 3.3 A²-s fuse protection type 6 in the feeder Recommended miniature circuit breaker: from 10 A characteristic C Output voltage curve at output Controlled, isolated DC voltage output voltage 4 V output 1 at DC rated value 24 V relative overall tolerance of the voltage 6 on slow fluctuation of ohm loading residual ripple		20 ms
1 rated value 2 rated value 60 Hz line frequency 47 63 Hz input current at rated input voltage 120 V at rated input voltage 230 V 2 A current limitation of inrush current at 25 °C maximum 65 A duration of inrush current limiting at 25 °C • typical 3 ms l2t value maximum 3.3 A²-s fuse protection type in the feeder Recommended miniature circuit breaker: from 10 A characteristic C Output voltage curve at output controlled, isolated DC voltage output voltage at DC rated value at output 1 at DC rated value at output overall tolerance of the voltage on slow fluctuation of input voltage on slow fluctuation of ohm loading residual ripple	operating condition of the mains buffering	at Vin = 93/187 V
e 2 rated value line frequency line frequency input current e at rated input voltage 120 V e at rated input voltage 230 V current limitation of inrush current at 25 °C maximum 65 A duration of inrush current limiting at 25 °C e typical	line frequency	
line frequency input current at rated input voltage 120 V at rated input voltage 230 V current limitation of inrush current at 25 °C maximum duration of inrush current limiting at 25 °C typical 3 ms 12t value maximum 3.3 A²-s fuse protection type in the feeder Recommended miniature circuit breaker: from 10 A characteristic C Output voltage curve at output voltage at DC rated value output voltage at output 1 at DC rated value e at output 1 at DC rated value relative overall tolerance of the voltage on slow fluctuation of input voltage on slow fluctuation of input voltage on slow fluctuation of ohm loading residual ripple	1 rated value	50 Hz
input current • at rated input voltage 120 V • at rated input voltage 230 V current limitation of inrush current at 25 °C maximum 65 A duration of inrush current limiting at 25 °C • typical 3 ms 12t value maximum 3.3 A²-s fuse protection type • in the feeder Coutput voltage curve at output voltage curve at output output voltage • at output 1 at DC rated value • at output 1 at DC rated value • at output 1 olerance of the voltage • on slow fluctuation of input voltage • on slow fluctuation of ohm loading residual ripple	2 rated value	60 Hz
at rated input voltage 230 V at rated input voltage 230 V current limitation of inrush current at 25 °C maximum 65 A duration of inrush current limiting at 25 °C • typical 13 ms 12t value maximum 3.3 A²-s fuse protection type • in the feeder Voltage curve at output voltage curve at output voltage at DC rated value • at output 1 overall tolerance of the voltage • on slow fluctuation of input voltage • on slow fluctuation of ohm loading residual ripple 4.1 A 2.4 A 2.5 Commended 3.3 Ms Controlled, isolated DC voltage 24 V 74 V 75 V 76 V 76 V 77 Output 4.1 A 2.2 A 2.3 Ms 2.3 Ms 4.1 A 2.4 V 4.1 A 2.5 A 4.5 A 4.5 A 4.5 A 4.5 A 4.6 A 4.1 A 4	line frequency	47 63 Hz
at rated input voltage 230 V current limitation of inrush current at 25 °C maximum duration of inrush current limiting at 25 °C • typical 3 ms 12t value maximum 3.3 A²-s fuse protection type • in the feeder Voltage curve at output voltage at DC rated value output voltage • at output 1 at DC rated value relative overall tolerance of the voltage • on slow fluctuation of ohm loading residual ripple • at rated input voltage at DC rated voltage 0.1 % 0.5 % 2 A 2 A 2 A 65 A 45 A 45 A 46 A 47 A 58 A 48 A 59 A 49 A 50	input current	
current limitation of inrush current at 25 °C maximum duration of inrush current limiting at 25 °C • typical 3 ms I2t value maximum 12t value maximum 12t value maximum 13.3 A²-s fuse protection type • in the feeder Recommended miniature circuit breaker: from 10 A characteristic C Output voltage curve at output voltage at DC rated value output voltage at DC rated value • at output 1 at DC rated value • at output 1 at DC rated value relative overall tolerance of the voltage • on slow fluctuation of input voltage • on slow fluctuation of ohm loading residual ripple	 at rated input voltage 120 V 	4.1 A
duration of inrush current limiting at 25 °C • typical 12t value maximum 5.3.3 A²-s fuse protection type • in the feeder Coutput voltage curve at output voltage at DC rated value • at output 1 at DC rated value • at output 1 at DC rated value • at output 1 overall tolerance of the voltage relative control precision of the output voltage • on slow fluctuation of input voltage • on slow fluctuation of ohm loading residual ripple	at rated input voltage 230 V	2 A
typical 3 ms 12t value maximum 3.3 A²-s T 6.3 A/250 V (not accessible) in the feeder Recommended miniature circuit breaker: from 10 A characteristic C Output	current limitation of inrush current at 25 °C maximum	65 A
12t value maximum 3.3 A²-s fuse protection type T 6.3 A/250 V (not accessible) • in the feeder Recommended miniature circuit breaker: from 10 A characteristic C	duration of inrush current limiting at 25 °C	
fuse protection type in the feeder Recommended miniature circuit breaker: from 10 A characteristic C Output voltage curve at output output voltage at DC rated value output voltage at output 1 at DC rated value relative overall tolerance of the voltage on slow fluctuation of input voltage on slow fluctuation of ohm loading residual ripple T 6.3 A/250 V (not accessible) Recommended miniature circuit breaker: from 10 A characteristic C Controlled, isolated DC voltage 24 V 24 V 24 V 7 Controlled, isolated DC voltage 26 V 7 Controlled, isolated DC voltage 27 V 7 Controlled, isolated DC voltage 28 V 7 Controlled, isolated DC voltage 29 V 7 Controlled, isolated DC voltage 20 V 7 Controlled, isolated DC v	• typical	3 ms
● in the feeder Recommended miniature circuit breaker: from 10 A characteristic C Output Voltage curve at output output voltage at DC rated value output voltage ● at output 1 at DC rated value relative overall tolerance of the voltage on slow fluctuation of input voltage ● on slow fluctuation of ohm loading residual ripple Recommended miniature circuit breaker: from 10 A characteristic C Controlled, isolated DC voltage 24 V 24 V 74 V 75 V 76 V 76 V 77 V 78 V 7	I2t value maximum	3.3 A ² ·s
Output voltage curve at output Controlled, isolated DC voltage output voltage at DC rated value 24 V output 1 at DC rated value 24 V relative overall tolerance of the voltage 3 % relative control precision of the output voltage 0.1 % • on slow fluctuation of input voltage 0.1 % • on slow fluctuation of ohm loading 0.5 %	fuse protection type	T 6.3 A/250 V (not accessible)
voltage curve at output output voltage at DC rated value output voltage • at output 1 at DC rated value relative overall tolerance of the voltage • on slow fluctuation of ohm loading residual ripple Controlled, isolated DC voltage 24 V 24 V 74 V 75 V 76 V 77 V 78 V 7	• in the feeder	Recommended miniature circuit breaker: from 10 A characteristic C
output voltage at DC rated value 24 V output voltage • at output 1 at DC rated value 24 V relative overall tolerance of the voltage 3 % relative control precision of the output voltage • on slow fluctuation of input voltage 0.1 % • on slow fluctuation of ohm loading 0.5 % residual ripple	Output	
output voltage • at output 1 at DC rated value relative overall tolerance of the voltage relative control precision of the output voltage • on slow fluctuation of input voltage • on slow fluctuation of ohm loading residual ripple	voltage curve at output	Controlled, isolated DC voltage
 at output 1 at DC rated value relative overall tolerance of the voltage relative control precision of the output voltage on slow fluctuation of input voltage on slow fluctuation of ohm loading residual ripple 	output voltage at DC rated value	24 V
relative overall tolerance of the voltage relative control precision of the output voltage on slow fluctuation of input voltage on slow fluctuation of ohm loading residual ripple	output voltage	
relative control precision of the output voltage on slow fluctuation of input voltage on slow fluctuation of ohm loading residual ripple	at output 1 at DC rated value	24 V
 on slow fluctuation of input voltage on slow fluctuation of ohm loading residual ripple 	relative overall tolerance of the voltage	3 %
on slow fluctuation of ohm loading residual ripple 0.5 %	relative control precision of the output voltage	
residual ripple	 on slow fluctuation of input voltage 	0.1 %
	on slow fluctuation of ohm loading	0.5 %
• maximum 150 mV	residual ripple	
	• maximum	150 mV

• typical	50 mV
voltage peak	
• maximum	240 mV
• typical	150 mV
adjustable output voltage	22.8 26.4 V
product function output voltage adjustable	Yes
type of output voltage setting	via potentiometer
display version for normal operation	Green LED for 24 V OK
behavior of the output voltage when switching on	Overshoot of Vout approx. 4 %
response delay maximum	1.5 s
voltage increase time of the output voltage	
• typical	170 ms
output current	
rated value	10 A
rated range	0 10 A; +45 +60 °C: Derating 2%/K
supplied active power typical	240 W
product feature	
bridging of equipment	Yes
number of parallel-switched equipment resources for increasing	2
the power	
Efficiency	
efficiency in percent	89 %
power loss [W]	
 at rated output voltage for rated value of the output current typical 	34 W
Closed-loop control	
	0.0.0/
relative control precision of the output voltage with rapid fluctuation of the input voltage by +/- 15% typical	0.3 %
relative control precision of the output voltage at load step of	2 %
resistive load 10/90/10 % typical	- ~
setting time	
load step 10 to 90% typical	0.5 ms
load step 90 to 10% typical	0.7 ms
Protection and monitoring	
design of the overvoltage protection	< 33 V
• typical	16 A
property of the output abort circuit proof	
property of the output short-circuit proof	Yes
design of short-circuit protection	Yes Constant current characteristic
design of short-circuit protection	
design of short-circuit protection enduring short circuit current RMS value	Constant current characteristic
design of short-circuit protection enduring short circuit current RMS value • typical display version for overload and short circuit	Constant current characteristic 12.6 A
design of short-circuit protection enduring short circuit current RMS value • typical display version for overload and short circuit Safety	Constant current characteristic 12.6 A -
design of short-circuit protection enduring short circuit current RMS value	Constant current characteristic 12.6 A - Yes
design of short-circuit protection enduring short circuit current RMS value • typical display version for overload and short circuit Safety galvanic isolation between input and output galvanic isolation	Constant current characteristic 12.6 A - Yes Safety extra-low output voltage Uout acc. to EN 60950-1 and EN 50178
design of short-circuit protection enduring short circuit current RMS value • typical display version for overload and short circuit Safety galvanic isolation between input and output galvanic resource protection class	Constant current characteristic 12.6 A - Yes
design of short-circuit protection enduring short circuit current RMS value • typical display version for overload and short circuit Safety galvanic isolation between input and output galvanic isolation operating resource protection class leakage current	Constant current characteristic 12.6 A - Yes Safety extra-low output voltage Uout acc. to EN 60950-1 and EN 50178 Class I
design of short-circuit protection enduring short circuit current RMS value • typical display version for overload and short circuit Safety galvanic isolation between input and output galvanic isolation operating resource protection class leakage current • maximum	Constant current characteristic 12.6 A - Yes Safety extra-low output voltage Uout acc. to EN 60950-1 and EN 50178 Class I 3.5 mA
design of short-circuit protection enduring short circuit current RMS value • typical display version for overload and short circuit Safety galvanic isolation between input and output galvanic isolation operating resource protection class leakage current • maximum • typical	Constant current characteristic 12.6 A - Yes Safety extra-low output voltage Uout acc. to EN 60950-1 and EN 50178 Class I 3.5 mA 0.8 mA
design of short-circuit protection enduring short circuit current RMS value • typical display version for overload and short circuit Safety galvanic isolation between input and output galvanic isolation operating resource protection class leakage current • maximum • typical protection class IP	Constant current characteristic 12.6 A - Yes Safety extra-low output voltage Uout acc. to EN 60950-1 and EN 50178 Class I 3.5 mA
design of short-circuit protection enduring short circuit current RMS value • typical display version for overload and short circuit Safety galvanic isolation between input and output galvanic isolation operating resource protection class leakage current • maximum • typical protection class IP Approvals	Constant current characteristic 12.6 A - Yes Safety extra-low output voltage Uout acc. to EN 60950-1 and EN 50178 Class I 3.5 mA 0.8 mA
design of short-circuit protection enduring short circuit current RMS value • typical display version for overload and short circuit Safety galvanic isolation between input and output galvanic isolation operating resource protection class leakage current • maximum • typical protection class IP Approvals certificate of suitability	Yes Safety extra-low output voltage Uout acc. to EN 60950-1 and EN 50178 Class I 3.5 mA 0.8 mA IP20
design of short-circuit protection enduring short circuit current RMS value • typical display version for overload and short circuit Safety galvanic isolation between input and output galvanic isolation operating resource protection class leakage current • maximum • typical protection class IP Approvals certificate of suitability • CE marking	Constant current characteristic 12.6 A - Yes Safety extra-low output voltage Uout acc. to EN 60950-1 and EN 50178 Class I 3.5 mA 0.8 mA IP20
design of short-circuit protection enduring short circuit current RMS value • typical display version for overload and short circuit Safety galvanic isolation between input and output galvanic isolation operating resource protection class leakage current • maximum • typical protection class IP Approvals certificate of suitability • CE marking • UL approval	Constant current characteristic 12.6 A Yes Safety extra-low output voltage Uout acc. to EN 60950-1 and EN 50178 Class I 3.5 mA 0.8 mA IP20 Yes Yes; cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259
design of short-circuit protection enduring short circuit current RMS value • typical display version for overload and short circuit Safety galvanic isolation between input and output galvanic isolation operating resource protection class leakage current • maximum • typical protection class IP Approvals certificate of suitability • CE marking • UL approval • CSA approval	Constant current characteristic 12.6 A - Yes Safety extra-low output voltage Uout acc. to EN 60950-1 and EN 50178 Class I 3.5 mA 0.8 mA IP20 Yes Yes; cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259 Yes; cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259
design of short-circuit protection enduring short circuit current RMS value • typical display version for overload and short circuit Safety galvanic isolation between input and output galvanic isolation operating resource protection class leakage current • maximum • typical protection class IP Approvals certificate of suitability • CE marking • UL approval • CSA approval • cCSAus, Class 1, Division 2	Constant current characteristic 12.6 A - Yes Safety extra-low output voltage Uout acc. to EN 60950-1 and EN 50178 Class I 3.5 mA 0.8 mA IP20 Yes Yes; cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259 Yes; cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259 No
design of short-circuit protection enduring short circuit current RMS value • typical display version for overload and short circuit Safety galvanic isolation between input and output galvanic isolation operating resource protection class leakage current • maximum • typical protection class IP Approvals certificate of suitability • CE marking • UL approval • CSA approval • cCSAus, Class 1, Division 2 • ATEX	Constant current characteristic 12.6 A - Yes Safety extra-low output voltage Uout acc. to EN 60950-1 and EN 50178 Class I 3.5 mA 0.8 mA IP20 Yes Yes; cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259 Yes; cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259
design of short-circuit protection enduring short circuit current RMS value • typical display version for overload and short circuit Safety galvanic isolation between input and output galvanic isolation operating resource protection class leakage current • maximum • typical protection class IP Approvals certificate of suitability • CE marking • UL approval • CSA approval • cCSAus, Class 1, Division 2 • ATEX certificate of suitability	Constant current characteristic 12.6 A - Yes Safety extra-low output voltage Uout acc. to EN 60950-1 and EN 50178 Class I 3.5 mA 0.8 mA IP20 Yes Yes; cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259 Yes; cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259 No No
design of short-circuit protection enduring short circuit current RMS value • typical display version for overload and short circuit Safety galvanic isolation between input and output galvanic isolation operating resource protection class leakage current • maximum • typical protection class IP Approvals certificate of suitability • CE marking • UL approval • CSA approval • cCSAus, Class 1, Division 2 • ATEX certificate of suitability • IECEx	Constant current characteristic 12.6 A - Yes Safety extra-low output voltage Uout acc. to EN 60950-1 and EN 50178 Class I 3.5 mA 0.8 mA IP20 Yes Yes; cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259 Yes; cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259 No No
design of short-circuit protection enduring short circuit current RMS value • typical display version for overload and short circuit Safety galvanic isolation between input and output galvanic isolation operating resource protection class leakage current • maximum • typical protection class IP Approvals certificate of suitability • CE marking • UL approval • CSA approval • cCSAus, Class 1, Division 2 • ATEX certificate of suitability • IECEx • NEC Class 2	Constant current characteristic 12.6 A - Yes Safety extra-low output voltage Uout acc. to EN 60950-1 and EN 50178 Class I 3.5 mA 0.8 mA IP20 Yes Yes; cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259 Yes; cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259 No No No
design of short-circuit protection enduring short circuit current RMS value • typical display version for overload and short circuit Safety galvanic isolation between input and output galvanic isolation operating resource protection class leakage current • maximum • typical protection class IP Approvals certificate of suitability • CE marking • UL approval • CSA approval • cCSAus, Class 1, Division 2 • ATEX certificate of suitability • IECEx • NEC Class 2 • ULhazloc approval	Constant current characteristic 12.6 A - Yes Safety extra-low output voltage Uout acc. to EN 60950-1 and EN 50178 Class I 3.5 mA 0.8 mA IP20 Yes Yes; cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259 Yes; cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259 No No No
design of short-circuit protection enduring short circuit current RMS value • typical display version for overload and short circuit Safety galvanic isolation between input and output galvanic isolation operating resource protection class leakage current • maximum • typical protection class IP Approvals certificate of suitability • CE marking • UL approval • CSA approval • cCSAus, Class 1, Division 2 • ATEX certificate of suitability • IECEx • NEC Class 2	Constant current characteristic 12.6 A - Yes Safety extra-low output voltage Uout acc. to EN 60950-1 and EN 50178 Class I 3.5 mA 0.8 mA IP20 Yes Yes; cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259 Yes; cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259 No No No

certificate of suitability	
EAC approval	Yes
certificate of suitability shipbuilding approval	No
shipbuilding approval	-
Marine classification association	
American Bureau of Shipping Europe Ltd. (ABS)	No
	No
 French marine classification society (BV) DNV GL 	No
	No
Lloyds Register of Shipping (LRS) Niggar (Giji Kudici (NK))	No
Nippon Kaiji Kyokai (NK) EMC	NO
standard	EN FERRO OL A
• for emitted interference	EN 55022 Class A
for mains harmonics limitation	-
for interference immunity	EN 61000-6-2
environmental conditions	
ambient temperature	
during operation	0 60 °C; with natural convection
during transport	-40 +85 °C
during storage	-40 +85 °C
environmental category according to IEC 60721	Climate class 3K3, 5 95% no condensation
Mechanics	
type of electrical connection	screw-type terminals
• at input	L, N, PE: 1 screw terminal each for 0.5 2.5 mm² single-core/finely stranded
• at output	+, -: 2 screw terminals each for 0.5 2.5 mm ²
for auxiliary contacts	-
width of the enclosure	70 mm
height of the enclosure	125 mm
depth of the enclosure	120 mm
required spacing	
• top	50 mm
• bottom	50 mm
• left	0 mm
• right	0 mm
net weight	0.75 kg
product feature of the enclosure housing can be lined up	Yes
fastening method	Snaps onto DIN rail EN 60715 35x7.5/15
MTBF at 40 °C	2 333 396 h
other information	Specifications at rated input voltage and ambient temperature +25 $^{\circ}\text{C}$ (unless otherwise specified)

