SIEMENS

Data sheet 6EP1332-4BA00



SIMATIC PM1507/1AC/24VDC/3A

SIMATIC PM 1507 24 V/3 A Stabilized power supply for SIMATIC S7-1500 input: 120/230 V AC, output: 24 V DC/3 A

type of the power supply network supply voltage at AC supply voltage at AC supply voltage 1 at AC input voltage 2 at AC input voltage 2 at AC input voltage at AC input voltage 2 at AC input voltage overload capability overvoltage overload capability Duffering time for rated value of the output current in the event of power failure minimum operating condition of the mains buffering Inlien frequency Inlien frequency Inlien frequency 45 65 Hz Inlien frequency 45 65 Hz Input current • at rated input voltage 120 V • at rated input voltage 230 V 0.8 A current limitation of inrush current at 25 °C maximum 4 at rated input voltage 230 V 0.8 A current limitation of inrush current ilmiting at 25 °C • maximum 1.3 A*-8 fuse protection type in the feeder output voltage curve at output output voltage • at output 1 at DC rated value output voltage • at output 1 at DC rated value output voltage • on slow fluctuation of finout voltage • on slow fluctuation of finout voltage • on slow fluctuation of finout voltage • on slow fluctuation of the output voltage • on slow fluctuation of finout voltage • on slow fluctuation of finout voltage • on slow fluctuation of of him loading residual ripple • maximum 150 mV voltage peak • maximum 150 mV voltage provent output voltage when switching on No overshoot of Vout (soft start) Expose delay maximum 1.5 s	input	
supply voltage 1 at AC 88 132 V input voltage 2 at AC 170 284 V wide range input No overvoltage overload capability 2.3 × Vin rated, 1.3 ms buffering time for rated value of the output current in the event of power failure minimum at Vine pay-187 V line frequency 5060 Hz line frequency 45 65 Hz line frequency 50	type of the power supply network	1-phase AC
input voltage 1 at AC input voltage 2 at AC input voltage overload capability vervoltage overload capability 2.3 × Vin rated, 1.3 ms buffering time for rated value of the output current in the event of power failure minimum operating condition of the mains buffering in ferquency 5060 Hz inne frequency 45 65 Hz input current • at rated input voltage 120 V • at rated input voltage 230 V 0.8 A current limitation of inrush current at 25 °C maximum 3 ms 12t value maximum 1.3 A²-s 1.3 Fa/250 V (not accessible) fuse protection type fuse protection type T3,15 A/250 V (not accessible) fuse protection type in the feeder cutput voltage curve at output voltage at DC rated value output voltage • at output 1 at DC rated value output voltage • at output 1 at DC rated value output voltage • at output 1 at DC rated value output voltage • at output 1 at DC rated value output voltage • at output 1 at DC rated value output voltage • at output 1 at DC rated value output voltage • at output 1 at DC rated value output voltage adjustable relative overall tolerance of the voltage • on slow fluctuation of input voltage • on slow fluctuation of input voltage • on slow fluctuation of the output voltage • on slow fluctuation of on the output voltage • on slow fluctuation of on the output voltage • on slow fluctuation of onth loading residual ripple • maximum 50 mV voltage peak • maximum 50 mV benavior of the output voltage when switching on No overshoot of Volk (soft start)	supply voltage at AC	Automatic range selection
input voltage 2 at AC wide range input voltage at DC rated value voltage curve at output voltage at output output voltage at output voltage at output output voltage at output output volt	supply voltage	120 V/230 V
wide range input overvoltage overload capability 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 line frequency line frequency 45 65 Hz input current • at rated input voltage 120 V • at rated input voltage 230 V 0.8 A current limitation of inrush current at 25 °C maximum 3 ms l2t value maximum 1.3 A²-5 fuse protection type T 3.15 A/250 V (not accessible) fuse protection type in the feeder output voltage curve at output voltage curve at output output voltage adjustable • at output 1 at DC rated value 24 V output voltage adjustable • at output 1 at DC rated value • on slow fluctuation of the output voltage • on slow fluctuation of the output voltage • on slow fluctuation of the output voltage • maximum 50 mV voltage peak • maximum 50 mV display version for normal operation behavior of the output voltage when switching on No overshoot of Vout (soft start)	input voltage 1 at AC	85 132 V
overvoltage overload capability 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 fine frequency fine frequency at rated input voltage 120 V at rated input voltage 230 V output of inrush current at 25 °C maximum 23 A duration of inrush current limiting at 25 °C maximum 1.3 A*s fuse protection type fuse protection type fuse protection type in the feeder cutput voltage and DC rated value output voltage at DC rated value output voltage at output 1 at DC rated value 24 V output voltage at output 1 at DC rated value output voltage at output 1 at DC rated value output voltage at output 1 at DC rated value output voltage at output 1 at DC rated value output voltage at output 1 at DC rated value output voltage at output 1 at DC rated value output voltage at output overall tolerance of the voltage relative control precision of the output voltage on slow fluctuation of input voltage on slow fluctuation of ohm loading on 1% residual ripple maximum floor maximum floor maximum floor maximum floor maximum floor world for error; LED yellow for stand-by behavior of the output voltage when switching on No overshoot of Volt (soft start)	input voltage 2 at AC	170 264 V
buffering time for rated value of the output current in the event of power failure minimum operating condition of the mains buffering line frequency line fr	wide range input	No
power failure minimum operating condition of the mains buffering line frequency line frequency line frequency 45 65 Hz line frequency 45 65 Hz line frequency 45 65 Hz linput current • at rated input voltage 230 V 0.8 A current limitation of inrush current at 25 °C maximum 23 A duration of inrush current at 25 °C • maximum 1.3 A² s fuse protection type 17 3,15 A/250 V (not accessible) fuse protection type in the feeder Recommended miniature circuit breaker: 10 A characteristic B or 6 A characteristic C output voltage curve at output coutput voltage at DC rated value 24 V output voltage at DC rated value 24 V output voltage adjustable 10 A country of the output voltage 11 % relative overall tolerance of the voltage 10 n slow fluctuation of input voltage 10 n slow fluctuation of input voltage 10 n slow fluctuation of ohm loading residual ripple 10 maximum 150 mV display version for normal operation LED green for 24 V OK; LED red for error; LED yellow for stand-by behavior of the output voltage when switching on No overshoot of Vout (soft start)	overvoltage overload capability	2.3 × Vin rated, 1.3 ms
line frequency 50/60 Hz line frequency 45 65 Hz line f		20 ms
line frequency 45 65 Hz input current • at rated input voltage 120 V 0.8 A current limitation of inrush current at 25 °C maximum 23 A duration of inrush current limiting at 25 °C • maximum 3 ms 12t value maximum 1.3 A²-s fuse protection type in the feeder Recommended miniature circuit breaker: 10 A characteristic B or 6 A characteristic C output voltage curve at output 0.0 controlled, isolated DC voltage output voltage at DC rated value 24 V output voltage adjustable 19% e at output 1 at DC rated value 24 V output voltage adjustable No relative overall tolerance of the voltage 19% relative control precision of the output voltage 0.1 % e on slow fluctuation of input voltage 0.1 % e on slow fluctuation of ohm loading 0.1 % residual ripple • maximum 50 mV voltage peak • maximum 150 mV display version for normal operation LED green for 24 V OK; LED red for error; LED yellow for stand-by behavior of the output voltage when switching on No overshoot of Vout (soft start)	operating condition of the mains buffering	at Vin = 93/187 V
input current • at rated input voltage 120 V • at rated input voltage 230 V 0.8 A current limitation of inrush current at 25 °C maximum duration of inrush current limiting at 25 °C • maximum 12 value maximum 13 A²-s fuse protection type fuse protection type in the feeder Recommended miniature circuit breaker: 10 A characteristic B or 6 A characteristic C output voltage curve at 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 output voltage adjustable 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 • maximum fuse park • maximum fuse peak • maximum fuse pear in the fluctual of the output voltage when switching on No overshoot of Vout (soft start)	line frequency	50/60 Hz
at rated input voltage 120 V at rated input voltage 230 V 0.8 A current limitation of inrush current at 25 °C maximum duration of inrush current limiting at 25 °C • maximum 3 ms 12t value maximum 1,3 A²-s fuse protection type fuse protection type in the feeder Recommended miniature circuit breaker: 10 A characteristic B or 6 A characteristic C output voltage curve at output coutput voltage at DC rated value 24 V output voltage • at output 1 at DC rated value 24 V output voltage adjustable relative overall tolerance of the voltage • on slow fluctuation of input voltage • on slow fluctuation of ohm loading residual ripple • maximum voltage peak • maximum display version for normal operation behavior of the output voltage when switching on No overshoot of Vout (soft start)	line frequency	45 65 Hz
• at rated input voltage 230 V current limitation of inrush current at 25 °C maximum 23 A duration of inrush current limiting at 25 °C • maximum 13 A²-s fuse protection type 17 3,15 A/250 V (not accessible) fuse protection type in the feeder Recommended miniature circuit breaker: 10 A characteristic B or 6 A characteristic C cutput voltage curve at output cutput voltage at DC rated value 24 V output voltage • at output 1 at DC rated value 24 V output voltage adjustable No relative overall tolerance of the voltage • on slow fluctuation of input voltage • on slow fluctuation of ohm loading residual ripple • maximum oldisplay version for normal operation behavior of the output voltage when switching on No overshoot of Vout (soft start)	input current	
current limitation of inrush current at 25 °C maximum duration of inrush current limiting at 25 °C	 at rated input voltage 120 V 	1.4 A
duration of inrush current limiting at 25 °C • maximum 1.3 A²-s fuse protection type T 3,15 A/250 V (not accessible) fuse protection type in the feeder Recommended miniature circuit breaker: 10 A characteristic B or 6 A characteristic C output voltage curve at output controlled, isolated DC voltage • at output 1 at DC rated value output voltage • at output 1 at DC rated value output voltage adjustable relative overall tolerance of the voltage • on slow fluctuation of input voltage • on slow fluctuation of ohm loading residual ripple • maximum so mV voltage peak • maximum display version for normal operation behavior of the output voltage when switching on No overshoot of Vout (soft start)	at rated input voltage 230 V	0.8 A
■ maximum	current limitation of inrush current at 25 °C maximum	23 A
1.3 A²-s fuse protection type fuse protection type in the feeder fuse protection type in the feeder Recommended miniature circuit breaker: 10 A characteristic B or 6 A characteristic C output voltage curve at output coutput voltage at DC rated value output voltage • at output 1 at DC rated value output voltage adjustable relative overall tolerance of the voltage • on slow fluctuation of input voltage • on slow fluctuation of ohm loading residual ripple • maximum fuse in a simul in the feeder 1.3 A²-s Recommended miniature circuit breaker: 10 A characteristic B or 6 A characteristic C Controlled, isolated DC voltage 24 V 04 V 05 V 06 V 07 V 07 V 08 V 09 V	duration of inrush current limiting at 25 °C	
fuse protection type fuse protection type in the feeder Recommended miniature circuit breaker: 10 A characteristic B or 6 A characteristic C output voltage curve at output controlled, isolated DC voltage output voltage at DC rated value output voltage • at output 1 at DC rated value output voltage adjustable relative overall tolerance of the voltage • on slow fluctuation of input voltage • on slow fluctuation of ohm loading residual ripple • maximum voltage peak • maximum display version for normal operation behavior of the output voltage when switching on No overshoot of Vout (soft start)	maximum	3 ms
fuse protection type in the feeder Recommended miniature circuit breaker: 10 A characteristic B or 6 A characteristic C output voltage curve at output output voltage at DC rated value output voltage • at output 1 at DC rated value output voltage adjustable relative overall tolerance of the voltage • on slow fluctuation of input voltage • on slow fluctuation of ohm loading residual ripple • maximum voltage peak • maximum display version for normal operation behavior of the output voltage when switching on Recommended miniature circuit breaker: 10 A characteristic B or 6 A characteristic C Ontrolled, isolated DC voltage 24 V Output voltage 04 V 05 V 06 V 07 V 07 V 08 V 09 V	I2t value maximum	1.3 A ^{2.} s
characteristic C output voltage curve at output output voltage at DC rated value output voltage • at output 1 at DC rated value output voltage adjustable relative overall tolerance of the voltage • on slow fluctuation of input voltage • on slow fluctuation of ohm loading residual ripple • maximum voltage peak • maximum display version for normal operation behavior of the output voltage witching on No overshoot of Vout (soft start)	fuse protection type	T 3,15 A/250 V (not accessible)
voltage curve at output output voltage at DC rated value output voltage • at output 1 at DC rated value output voltage • at output 1 at DC rated value 24 V output voltage adjustable relative overall tolerance of the voltage • on slow fluctuation of input voltage • on slow fluctuation of ohm loading residual ripple • maximum voltage peak • maximum 150 mV display version for normal operation behavior of the output voltage when switching on No overshoot of Vout (soft start)	fuse protection type in the feeder	
output voltage • at output 1 at DC rated value • at output 1 at DC rated value 24 V output voltage adjustable relative overall tolerance of the voltage • on slow fluctuation of input voltage • on slow fluctuation of ohm loading residual ripple • maximum voltage peak • maximum 150 mV display version for normal operation behavior of the output voltage when switching on No overshoot of Vout (soft start)	output	
output voltage	voltage curve at output	Controlled, isolated DC voltage
 at output 1 at DC rated value output voltage adjustable 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 on slow fluctuation of ohm loading on woltage peak maximum maximum to mV display version for normal operation behavior of the output voltage when switching on No overshoot of Vout (soft start) 	output voltage at DC rated value	24 V
output voltage adjustable relative overall tolerance of the voltage • on slow fluctuation of input voltage • on slow fluctuation of ohm loading residual ripple • maximum voltage peak • maximum 150 mV display version for normal operation behavior of the output voltage when switching on No No No No No No No No No	output voltage	
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 maximum on maximum 50 mV voltage peak maximum 150 mV display version for normal operation behavior of the output voltage when switching on No overshoot of Vout (soft start)	at output 1 at DC rated value	24 V
relative control precision of the output voltage on slow fluctuation of input voltage on slow fluctuation of ohm loading residual ripple omaximum 50 mV voltage peak omaximum 150 mV display version for normal operation behavior of the output voltage when switching on No overshoot of Vout (soft start)	output voltage adjustable	No
 on slow fluctuation of input voltage on slow fluctuation of ohm loading 0.1 % residual ripple maximum voltage peak maximum 150 mV display version for normal operation behavior of the output voltage when switching on No overshoot of Vout (soft start) 	relative overall tolerance of the voltage	1 %
on slow fluctuation of ohm loading residual ripple omaximum voltage peak omaximum 150 mV display version for normal operation behavior of the output voltage when switching on No overshoot of Vout (soft start)	relative control precision of the output voltage	
residual ripple • maximum 50 mV voltage peak • maximum 150 mV display version for normal operation LED green for 24 V OK; LED red for error; LED yellow for stand-by behavior of the output voltage when switching on No overshoot of Vout (soft start)	on slow fluctuation of input voltage	0.1 %
residual ripple • maximum 50 mV voltage peak • maximum 150 mV display version for normal operation LED green for 24 V OK; LED red for error; LED yellow for stand-by behavior of the output voltage when switching on No overshoot of Vout (soft start)	· · · · · · · · · · · · · · · · · · ·	0.1 %
voltage peak	residual ripple	
● maximum 150 mV display version for normal operation LED green for 24 V OK; LED red for error; LED yellow for stand-by behavior of the output voltage when switching on No overshoot of Vout (soft start)	• maximum	50 mV
display version for normal operation LED green for 24 V OK; LED red for error; LED yellow for stand-by behavior of the output voltage when switching on No overshoot of Vout (soft start)	voltage peak	
behavior of the output voltage when switching on No overshoot of Vout (soft start)	• maximum	150 mV
	display version for normal operation	LED green for 24 V OK; LED red for error; LED yellow for stand-by
response delay maximum 1.5 s	behavior of the output voltage when switching on	No overshoot of Vout (soft start)
	response delay maximum	1.5 s

voltage increase time of the output voltage	
• typical	10 ms
output current	
rated value	3 A
rated range	0 3 A
supplied active power typical	72 W
short-term overload current	
 on short-circuiting during the start-up typical 	12 A
at short-circuit during operation typical	12 A
duration of overloading capability for excess current	
on short-circuiting during the start-up	70 ms
at short-circuit during operation	70 ms
bridging of equipment	Yes
number of parallel-switched equipment resources for increasing the power	2
efficiency	
efficiency in percent	87 %
power loss [W]	
at rated output voltage for rated value of the output current typical	11 W
closed-loop control	
relative control precision of the output voltage with rapid fluctuation of the input voltage by +/- 15% typical	0.1 %
relative control precision of the output voltage load step of resistive load 50/100/50 % typical	1 %
relative control precision of the output voltage at load step of resistive load 10/90/10 % typical	3 %
setting time	
• load step 10 to 90% typical	5 ms
load step 90 to 10% typical	5 ms
• maximum	5 ms
protection and monitoring	
design of the overvoltage protection	Additional control loop, limitation (closed loop control) at < 28.8 V
property of the output short-circuit proof	Yes
design of short-circuit protection	Electronic shutdown, automatic restart
response value current limitation	3.15 3.6 A
• typical	3.4 A
anfaty	
safety	
galvanic isolation between input and output	Yes
	Yes Safety extra-low output voltage Vout acc. to EN 60950-1 and EN 50178 and EN 61131-2
galvanic isolation between input and output	Safety extra-low output voltage Vout acc. to EN 60950-1 and EN 50178 and EN
galvanic isolation between input and output galvanic isolation	Safety extra-low output voltage Vout acc. to EN 60950-1 and EN 50178 and EN 61131-2
galvanic isolation between input and output galvanic isolation operating resource protection class	Safety extra-low output voltage Vout acc. to EN 60950-1 and EN 50178 and EN 61131-2
galvanic isolation between input and output galvanic isolation operating resource protection class leakage current	Safety extra-low output voltage Vout acc. to EN 60950-1 and EN 50178 and EN 61131-2 Class I
galvanic isolation between input and output galvanic isolation operating resource protection class leakage current • maximum	Safety extra-low output voltage Vout acc. to EN 60950-1 and EN 50178 and EN 61131-2 Class I 3.5 mA
galvanic isolation between input and output galvanic isolation operating resource protection class leakage current • maximum • typical	Safety extra-low output voltage Vout acc. to EN 60950-1 and EN 50178 and EN 61131-2 Class I 3.5 mA 0.4 mA
galvanic isolation between input and output galvanic isolation operating resource protection class leakage current • maximum • typical protection class IP	Safety extra-low output voltage Vout acc. to EN 60950-1 and EN 50178 and EN 61131-2 Class I 3.5 mA 0.4 mA
galvanic isolation between input and output galvanic isolation operating resource protection class leakage current • maximum • typical protection class IP EMC	Safety extra-low output voltage Vout acc. to EN 60950-1 and EN 50178 and EN 61131-2 Class I 3.5 mA 0.4 mA
galvanic isolation between input and output galvanic isolation operating resource protection class leakage current	Safety extra-low output voltage Vout acc. to EN 60950-1 and EN 50178 and EN 61131-2 Class I 3.5 mA 0.4 mA IP20
galvanic isolation between input and output galvanic isolation operating resource protection class leakage current	Safety extra-low output voltage Vout acc. to EN 60950-1 and EN 50178 and EN 61131-2 Class I 3.5 mA 0.4 mA IP20 EN 55022 Class B
galvanic isolation between input and output galvanic isolation operating resource protection class leakage current	Safety extra-low output voltage Vout acc. to EN 60950-1 and EN 50178 and EN 61131-2 Class I 3.5 mA 0.4 mA IP20 EN 55022 Class B EN 61000-3-2
galvanic isolation between input and output galvanic isolation operating resource protection class leakage current	Safety extra-low output voltage Vout acc. to EN 60950-1 and EN 50178 and EN 61131-2 Class I 3.5 mA 0.4 mA IP20 EN 55022 Class B EN 61000-3-2
galvanic isolation between input and output galvanic isolation operating resource protection class leakage current	Safety extra-low output voltage Vout acc. to EN 60950-1 and EN 50178 and EN 61131-2 Class I 3.5 mA 0.4 mA IP20 EN 55022 Class B EN 61000-3-2 EN 61000-6-2
galvanic isolation between input and output galvanic isolation operating resource protection class leakage current	Safety extra-low output voltage Vout acc. to EN 60950-1 and EN 50178 and EN 61131-2 Class I 3.5 mA 0.4 mA IP20 EN 55022 Class B EN 61000-3-2 EN 61000-6-2 Yes
galvanic isolation between input and output galvanic isolation operating resource protection class leakage current	Safety extra-low output voltage Vout acc. to EN 60950-1 and EN 50178 and EN 61131-2 Class I 3.5 mA 0.4 mA IP20 EN 55022 Class B EN 61000-3-2 EN 61000-6-2 Yes Yes; cULus-Listed (UL 508, CSA C22.2 No. 142), File E143289
galvanic isolation between input and output galvanic isolation operating resource protection class leakage current	Safety extra-low output voltage Vout acc. to EN 60950-1 and EN 50178 and EN 61131-2 Class I 3.5 mA 0.4 mA IP20 EN 55022 Class B EN 61000-3-2 EN 61000-6-2 Yes Yes; cULus-Listed (UL 508, CSA C22.2 No. 142), File E143289 Yes; cULus-Listed (UL 508, CSA C22.2 No. 142), File E143289
galvanic isolation between input and output galvanic isolation operating resource protection class leakage current	Safety extra-low output voltage Vout acc. to EN 60950-1 and EN 50178 and EN 61131-2 Class I 3.5 mA 0.4 mA IP20 EN 55022 Class B EN 61000-3-2 EN 61000-6-2 Yes Yes; cULus-Listed (UL 508, CSA C22.2 No. 142), File E143289 Yes; cULus-Listed (UL 508, CSA C22.2 No. 142), File E143289 Yes
galvanic isolation between input and output galvanic isolation operating resource protection class leakage current	Safety extra-low output voltage Vout acc. to EN 60950-1 and EN 50178 and EN 61131-2 Class I 3.5 mA 0.4 mA IP20 EN 55022 Class B EN 61000-3-2 EN 61000-6-2 Yes Yes; cULus-Listed (UL 508, CSA C22.2 No. 142), File E143289 Yes; cULus-Listed (UL 508, CSA C22.2 No. 142), File E143289 Yes Yes
galvanic isolation between input and output galvanic isolation operating resource protection class leakage current	Safety extra-low output voltage Vout acc. to EN 60950-1 and EN 50178 and EN 61131-2 Class I 3.5 mA 0.4 mA IP20 EN 55022 Class B EN 61000-3-2 EN 61000-6-2 Yes Yes; cULus-Listed (UL 508, CSA C22.2 No. 142), File E143289 Yes; cULus-Listed (UL 508, CSA C22.2 No. 142), File E143289 Yes Yes Yes
galvanic isolation between input and output galvanic isolation operating resource protection class leakage current	Safety extra-low output voltage Vout acc. to EN 60950-1 and EN 50178 and EN 61131-2 Class I 3.5 mA 0.4 mA IP20 EN 55022 Class B EN 61000-3-2 EN 61000-6-2 Yes Yes; cULus-Listed (UL 508, CSA C22.2 No. 142), File E143289 Yes; cULus-Listed (UL 508, CSA C22.2 No. 142), File E143289 Yes Yes
galvanic isolation between input and output galvanic isolation operating resource protection class leakage current	Safety extra-low output voltage Vout acc. to EN 60950-1 and EN 50178 and EN 61131-2 Class I 3.5 mA 0.4 mA IP20 EN 55022 Class B EN 61000-3-2 EN 61000-6-2 Yes Yes; cULus-Listed (UL 508, CSA C22.2 No. 142), File E143289 Yes; cULus-Listed (UL 508, CSA C22.2 No. 142), File E143289 Yes Yes Yes

CB-certificate	Yes
MTBF at 40 °C	1 611 993 h
standards, specifications, approvals hazardous environments	
certificate of suitability	
• IECEX	Yes: IECEx Ex nA nC IIC T4 Gc
• ATEX	Yes; ATEX (EX) II 3G Ex nA nC IIC T4 Gc
ULhazloc approval	Yes; cULus (ANSI/ISA 12.12.01, CSA C22.2 No.213) Class I, Div. 2, Group
o de naziona approvar	ABCD, T4, File E330455
• cCSAus, Class 1, Division 2	No
• UKEX	Yes
 CCC for hazardous zone according to GB standard 	Yes
 FM registration 	Yes; Class I, Div. 2, Group ABCD, T4
standards, specifications, approvals marine classification	
shipbuilding approval	Yes
Marine classification association	
 American Bureau of Shipping Europe Ltd. (ABS) 	Yes
 French marine classification society (BV) 	Yes
 Det Norske Veritas (DNV) 	Yes
 Lloyds Register of Shipping (LRS) 	No
standards, specifications, approvals Environmental Product De	claration
global warming potential [CO2 eq]	
• total	309.9 kg
during manufacturing	8.6 kg
during operation	300.9 kg
after end of life	0.31 kg
ambient conditions	
ambient temperature	
 during operation 	0 60; with natural convection
during transport	-40 +85
during storage	-40 +85
environmental category according to IEC 60721	Climate class 3K3, 5 95% no condensation
connection method	
connection method type of electrical connection	Screw-/spring clamp connection
	Screw-/spring clamp connection L, N, PE: 1 screw terminal each for 0.5 2.5 mm²
type of electrical connection	
type of electrical connection • at input	L, N, PE: 1 screw terminal each for 0.5 2.5 mm ²
type of electrical connection • at input • at output	L, N, PE: 1 screw terminal each for 0.5 2.5 mm ² L+, M: 2 spring-loaded terminals each for 0.5 to 2.5 mm ²
type of electrical connection	L, N, PE: 1 screw terminal each for 0.5 2.5 mm ² L+, M: 2 spring-loaded terminals each for 0.5 to 2.5 mm ² Yes
type of electrical connection	L, N, PE: 1 screw terminal each for 0.5 2.5 mm ² L+, M: 2 spring-loaded terminals each for 0.5 to 2.5 mm ² Yes
type of electrical connection	L, N, PE: 1 screw terminal each for 0.5 2.5 mm ² L+, M: 2 spring-loaded terminals each for 0.5 to 2.5 mm ² Yes Yes
type of electrical connection • at input • at output removable terminal at input removable terminal at output mechanical data width × height × depth of the enclosure	L, N, PE: 1 screw terminal each for 0.5 2.5 mm ² L+, M: 2 spring-loaded terminals each for 0.5 to 2.5 mm ² Yes Yes 50 × 147 × 129 mm
type of electrical connection • at input • at output removable terminal at input removable terminal at output mechanical data width × height × depth of the enclosure installation width × mounting height	L, N, PE: 1 screw terminal each for 0.5 2.5 mm ² L+, M: 2 spring-loaded terminals each for 0.5 to 2.5 mm ² Yes Yes 50 × 147 × 129 mm
type of electrical connection	L, N, PE: 1 screw terminal each for 0.5 2.5 mm ² L+, M: 2 spring-loaded terminals each for 0.5 to 2.5 mm ² Yes Yes 50 × 147 × 129 mm 50 mm × 205 mm
type of electrical connection • at input • at output removable terminal at input removable terminal at output mechanical data width × height × depth of the enclosure installation width × mounting height required spacing • top	L, N, PE: 1 screw terminal each for 0.5 2.5 mm² L+, M: 2 spring-loaded terminals each for 0.5 to 2.5 mm² Yes Yes 50 × 147 × 129 mm 50 mm × 205 mm 40 mm
type of electrical connection • at input • at output removable terminal at input removable terminal at output mechanical data width × height × depth of the enclosure installation width × mounting height required spacing • top • bottom • left • right	L, N, PE: 1 screw terminal each for 0.5 2.5 mm² L+, M: 2 spring-loaded terminals each for 0.5 to 2.5 mm² Yes Yes 50 × 147 × 129 mm 50 mm × 205 mm 40 mm 40 mm
type of electrical connection • at input • at output removable terminal at input removable terminal at output mechanical data width × height × depth of the enclosure installation width × mounting height required spacing • top • bottom • left	L, N, PE: 1 screw terminal each for 0.5 2.5 mm² L+, M: 2 spring-loaded terminals each for 0.5 to 2.5 mm² Yes Yes 50 × 147 × 129 mm 50 mm × 205 mm 40 mm 40 mm 0 mm
type of electrical connection • at input • at output removable terminal at input removable terminal at output mechanical data width × height × depth of the enclosure installation width × mounting height required spacing • top • bottom • left • right fastening method • standard rail mounting	L, N, PE: 1 screw terminal each for 0.5 2.5 mm² L+, M: 2 spring-loaded terminals each for 0.5 to 2.5 mm² Yes Yes 50 × 147 × 129 mm 50 mm × 205 mm 40 mm 40 mm 0 mm 0 mm Can be mounted onto S7-1500 rail No
type of electrical connection • at input • at output removable terminal at input removable terminal at output mechanical data width × height × depth of the enclosure installation width × mounting height required spacing • top • bottom • left • right fastening method • standard rail mounting • S7 rail mounting	L, N, PE: 1 screw terminal each for 0.5 2.5 mm² L+, M: 2 spring-loaded terminals each for 0.5 to 2.5 mm² Yes Yes 50 × 147 × 129 mm 50 mm × 205 mm 40 mm 40 mm 0 mm 0 mm Can be mounted onto S7-1500 rail No Yes
type of electrical connection	L, N, PE: 1 screw terminal each for 0.5 2.5 mm² L+, M: 2 spring-loaded terminals each for 0.5 to 2.5 mm² Yes Yes 50 × 147 × 129 mm 50 mm × 205 mm 40 mm 40 mm 0 mm 0 mm Can be mounted onto S7-1500 rail No Yes No
type of electrical connection • at input • at output removable terminal at input removable terminal at output mechanical data width × height × depth of the enclosure installation width × mounting height required spacing • top • bottom • left • right fastening method • standard rail mounting • S7 rail mounting • wall mounting housing can be lined up	L, N, PE: 1 screw terminal each for 0.5 2.5 mm² L+, M: 2 spring-loaded terminals each for 0.5 to 2.5 mm² Yes Yes 50 × 147 × 129 mm 50 mm × 205 mm 40 mm 40 mm 0 mm Can be mounted onto S7-1500 rail No Yes No Yes
type of electrical connection • at input • at output removable terminal at input removable terminal at output mechanical data width × height × depth of the enclosure installation width × mounting height required spacing • top • bottom • left • right fastening method • standard rail mounting • S7 rail mounting • wall mounting housing can be lined up net weight	L, N, PE: 1 screw terminal each for 0.5 2.5 mm² L+, M: 2 spring-loaded terminals each for 0.5 to 2.5 mm² Yes Yes 50 × 147 × 129 mm 50 mm × 205 mm 40 mm 40 mm 0 mm 0 mm Can be mounted onto S7-1500 rail No Yes No
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type of electrical connection	L, N, PE: 1 screw terminal each for 0.5 2.5 mm² L+, M: 2 spring-loaded terminals each for 0.5 to 2.5 mm² Yes Yes 50 × 147 × 129 mm 50 mm × 205 mm 40 mm 40 mm 0 mm Can be mounted onto S7-1500 rail No Yes No Yes 0.45 kg https://mall.industry.siemens.com https://www.siemens.com/tstcloud https://siemens.com/sitop
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type of electrical connection	L, N, PE: 1 screw terminal each for 0.5 2.5 mm² L+, M: 2 spring-loaded terminals each for 0.5 to 2.5 mm² Yes Yes 50 × 147 × 129 mm 50 mm × 205 mm 40 mm 40 mm 0 mm Can be mounted onto S7-1500 rail No Yes No Yes 0.45 kg https://mall.industry.siemens.com https://www.siemens.com/tstcloud https://siemens.com/sitop
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security information

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Classifications

	Version	Classification
eClass	14	27-04-07-01
eClass	12	27-04-07-01
eClass	9.1	27-04-07-01
eClass	9	27-04-07-01
eClass	8	27-04-90-02
eClass	7.1	27-04-90-02
eClass	6	27-04-90-02
ETIM	9	EC002540
ETIM	8	EC002540
ETIM	7	EC002540
IDEA	4	4130
UNSPSC	15	39-12-10-04

Approvals Certificates

General Product Approval





Manufacturer Declaration







General Product Approval

For use in hazardous locations

Miscellaneous

BIS CRS



IECEx







For use in hazardous locations

CCC-Ex







Marine / Shipping



Marine / Shipping

<u>FM</u>

Environment





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