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 voltage curve at output voltage curve at output voltage adjustable relative correlated value output voltage • at output 1 at DC rated value output voltage • on slow fluctuation of finout voltage • on slow fluctuation of of the output voltage • on slow fluctuation of finout voltage • on slow fluctuation of of him loading 150 mV voltage peak • maximum 150 mV voltage peak • maximum 150 mV voltage praximum 150 mV voltage 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 voltage peak • maximum 50 mV voltage pear for 24 V OK; LED red for error; LED yellow for stand-by benavior of fluout voltage when switching on No overshoot of Vout (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 other incommended miniature circuit breaker: 10 A characteristic B or 6 A characteristic C voltage Curve at output voltage at DC rated value 24 V output voltage adjustable No relative overall tolerance of the voltage 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)	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 fuse preserved in the formula 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 maximum display version for normal operation behavior of the output voltage when switching on No overshoot of Vout (soft start)	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 with control of Vout (soft start) Controlled, isolated DC voltage 24 V Controlled, isolated DC voltage 24 V Output voltage 24 V Output voltage adjustable No 0 1 % 1 % 1 % 1 % 1 % 1 % 1 % 1	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	
	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	V	
shipbuilding approval	Yes	
Marine classification association	Von	
American Bureau of Shipping Europe Ltd. (ABS) French marine classification society (BV)	Yes Yes	
French marine classification society (BV)Det Norske Veritas (DNV)	Yes	
Lloyds Register of Shipping (LRS)	No	
ambient conditions		
ambient temperature		
during operation	0 60 °C; with natural convection	
during epotation during transport	-40 +85 °C	
during storage	-40 +85 °C	
environmental category according to IEC 60721	Climate class 3K3, 5 95% no condensation	
connection method		
type of electrical connection	Screw-/spring clamp connection	
• at input	L, N, PE: 1 screw terminal each for 0.5 2.5 mm ²	
at output	L+, M: 2 spring-loaded terminals each for 0.5 to 2.5 mm ²	
removable terminal at input	Yes	
removable terminal at output	Yes	
mechanical data		
width × height × depth of the enclosure	50 × 147 × 129 mm	
installation width × mounting height	50 mm × 205 mm	
required spacing		
● top	40 mm	
• bottom	40 mm	
• left	0 mm	
• right	0 mm	
fastening method	Can be mounted onto S7-1500 rail	
standard rail mounting	No	
S7 rail mounting	Yes	
wall mounting	No Yea	
housing can be lined up	Yes 0.45 kg	
net weight further information internet links	0.45 kg	
internet link		
to website: Industry Mall	https://mall.industry.siemens.com	
to website: Industry Mail to website: Industrial communication	https://siemens.com/industrial-communication	
to website: CAx-Download-Manager	https://siemens.com/cax	
to website: Ora-Bowindad-Manager to website: Industry Online Support	https://support.industry.siemens.com	
additional information		
other information	Specifications at rated input voltage and ambient temperature +25 °C (unless	
	otherwise specified)	
security information		
security information	Siemens provides products and solutions with industrial cybersecurity functions that support the secure operation of plants, systems, machines and networks. In order to protect plants, systems, machines and networks against cyber threats, it is necessary to implement – and continuously maintain – a holistic, state-of-the-art industrial cybersecurity concept. Siemens' products and solutions constitute one element of such a concept. Customers are responsible for preventing unauthorized access to their plants, systems, machines and networks. Such systems, machines and components should only be connected	

to an enterprise network or the internet if and to the extent such a connection is necessary and only when appropriate security measures (e.g. firewalls and/or network segmentation) are in place. For additional information on industrial cybersecurity measures that may be implemented, please visit www.siemens.com/cybersecurity-industry. Siemens' products and solutions undergo continuous development to make them more secure. Siemens strongly recommends that product updates are applied as soon as they are available and that the latest product versions are used. Use of product versions that are no longer supported, and failure to apply the latest updates may increase customer's exposure to cyber threats. To stay informed about product updates, subscribe to the Siemens Industrial Cybersecurity RSS Feed under https://www.siemens.com/cert. (V4.7)

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

CB

CB

Manufacturer Declaration







General Product Approval

For use in hazardous locations

Miscellaneous

BIS CRS



IECEx







For use in hazardous locations

Marine / Shipping

<u>FM</u>

CCC-Ex









last modified:

8/30/2024