SIEMENS

Data sheet 6EP1333-4BA00



SIMATIC PM 1507/1AC/24VDC/8A

SIMATIC PM 1507 24 V/8 A stabilized power supply for SIMATIC S7-1500 input: 120/230 V AC output: 24 V DC/8 A without Ex approval

ype of the power supply network supply voltage at AC Automatic range selection supply voltage 1 at AC input voltage 1 at AC input voltage 2 at AC input voltage overload capability 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 operating condition of the mains buffering at Vin = 93/187 V inine frequency in fix	input		
input voltage 1 at AC 85132 V input voltage 2 at AC 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 operating condition of the mains buffering at Vin = 93/187 V line frequency 100 Hz 1	type of the power supply network	1-phase AC	
input voltage 1 at AC input voltage 2 at AC input voltage 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 iline frequency 50/60 Hz iline frequency 50/60 Hz input current • at rated input voltage 120 V 3.7 A 4 at rated input voltage 230 V 1.7 A current limitation of inrush current at 25 °C maximum 62 A duration of inrush current at 25 °C maximum 7 a maximum 12 Value maximum 13 ms 12 Value maximum 14 Value voltage 250 V 1.7 A Current limitation of inrush current at 25 °C 0 value value value 0 value value value 0 value value 0 value 0 value value 0 value value 0 value 0 value valu	supply voltage at AC	Automatic range selection	
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wide range input overvoltage overload capability 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 operating condition of the mains buffering at Vin = 93/187 V line frequency 45 65 Hz line frequency 45 65 Hz linput current • at rated input voltage 120 V • at rated input voltage 230 V 1.7 A current limitation of inrush current at 25 °C maximum 62 A duration of inrush current limiting at 25 °C • maximum 12 A²-s fuse protection type 16.3 A/250 V (not accessible) fuse protection type in the feeder output voltage at DC rated value 0utput voltage at DC rated value 0utput voltage at DC rated value 24 V output voltage adjustable • at output 1 at DC rated value 0utput voltage adjustable • on slow fluctuation of the output voltage • on slow fluctuation of the output voltage • on slow fluctuation of ohm loading • maximum 50 mV voltage peak • 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)	input voltage 1 at AC	85 132 V	
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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	
operating condition of the mains buffering at Vin = 93/187 V line frequency 50/60 Hz line frequency 45 65 Hz input current • at rated input voltage 230 V 1.7 A current limitation of inrush current at 25 °C maximum 62 A duration of inrush current at 25 °C maximum 3 ms duration of inrush current at 25 °C maximum 12 A²-s fuse protection type T6.3 A/250 V (not accessible) fuse protection type T6.3 A/250 V (not accessible) fuse protection type in the feeder Recommended miniature circuit breaker: 16 A characteristic B or 10 A characteristic C output Voltage curve at output Controlled, isolated DC voltage output voltage at DC rated value 24 V output voltage at DC rated value 24 V output voltage adjustable No relative overall tolerance of the voltage 1 % relative control precision of the output voltage 0.1 % relative control precision of the output voltage 0.1 % residual ripple • maximum 50 mV voltage peak • maximum 50 mV voltage 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	
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 at rated input voltage 120 V at rated input voltage 230 V 1.7 A current limitation of inrush current at 25 °C maximum 62 A duration of inrush current limiting at 25 °C maximum 3 ms I2t value maximum 12 A²-s fuse protection type T 6.3 A/250 V (not accessible) fuse protection type in the feeder Recommended miniature circuit breaker: 16 A characteristic B or 10 A characteristic C output voltage curve at output controlled, isolated DC voltage at 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 on slow fluctuatio	line frequency	45 65 Hz	
at rated input voltage 230 V current limitation of inrush current at 25 °C maximum duration of inrush current limiting at 25 °C • maximum 12t value maximum 12t value	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 	3.7 A	
duration of inrush current limiting at 25 °C • maximum 12	at rated input voltage 230 V	1.7 A	
maximum 12 t value maximum 12 A²-s fuse protection type T 6.3 A/250 V (not accessible) fuse protection type in the feeder Recommended miniature circuit breaker: 16 A characteristic B or 10 A characteristic C voltage curve at 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 50 mV voltage pak • maximum display version for normal operation behavior of the output voltage when switching on No overshoot of Vout (soft start)	current limitation of inrush current at 25 °C maximum	62 A	
12 A²-s fuse protection type T 6.3 A/250 V (not accessible) fuse protection type in the feeder Recommended miniature circuit breaker: 16 A characteristic B or 10 A characteristic C output	duration of inrush current limiting at 25 °C		
fuse protection type fuse protection type in the feeder Recommended miniature circuit breaker: 16 A characteristic B or 10 A characteristic C output voltage curve at output 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 ohm loading residual ripple • maximum tolerance • 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: 16 A characteristic B or 10 A characteristic C output voltage curve at output	I2t value maximum	12 A²·s	
characteristic C output voltage curve at output	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 • 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 tolerance of the output voltage 1 % residual ripple • maximum tolerance of the output voltage 1 % tolerance of the output voltage 0.1 % residual ripple • maximum tolerance of the output voltage 150 mV voltage peak • maximum tolerance 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 24 V output voltage • at output 1 at DC rated value 24 V 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 residual ripple • 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)	output		
output voltage	voltage curve at output	Controlled, isolated DC voltage	
 at output 1 at DC rated value Output voltage adjustable Ro 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 LED green for 24 V OK; LED red for error; LED yellow for stand-by No overshoot of Vout (soft start) 	output voltage at DC rated value	24 V	
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 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)	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 on slow fluctuation of ohm loading residual ripple maximum formula on maximum toltage peak maximum toltage peak maximum toltage yersion for normal operation behavior of the output voltage when switching on toltage yersion for ordinary toltage when switching on toltage yersion for yout (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 maximum omaximum 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)	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 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 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 %	
 ● maximum voltage peak ● maximum 150 mV display version for normal operation behavior of the output voltage when switching on LED green for 24 V OK; LED red for error; LED yellow for stand-by No overshoot of Vout (soft start) 	on slow fluctuation of ohm loading	0.1 %	
voltage peak	residual ripple		
● maximum 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	
● maximum 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)		150 mV	
behavior of the output voltage when switching on No overshoot of Vout (soft start)	display version for normal operation	LED green for 24 V OK; LED red for error; LED yellow for stand-by	

voltage increase time of the output voltage		
• typical	10 ms	
output current		
rated value	8 A	
rated range	0 8 A	
supplied active power typical	192 W	
short-term overload current		
 on short-circuiting during the start-up typical 	35 A	
at short-circuit during operation typical	35 A	
duration of overloading capability for excess current		
on short-circuiting during the start-up	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	90 %	
power loss [W]		
at rated output voltage for rated value of the output current typical	21 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	2 %	
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	8.4 9.6 A	
• typical	9 A	
• typical		
• typical safety		
	Yes	
safety	Yes Safety extra-low output voltage Vout acc. to EN 60950-1 and EN 50178 and EN 61131-2	
safety 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 1.3 mA	
safety 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 1.3 mA	
safety 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 1.3 mA	
galvanic isolation between input and output galvanic isolation operating resource protection class leakage current • maximum • typical protection class IP EMC standard	Safety extra-low output voltage Vout acc. to EN 60950-1 and EN 50178 and EN 61131-2 Class I 3.5 mA 1.3 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 1.3 mA IP20 EN 55022 Class B	
safety galvanic isolation between input and output galvanic isolation operating resource protection class leakage current • maximum • typical protection class IP EMC standard • for emitted interference • for mains harmonics limitation • for interference immunity	Safety extra-low output voltage Vout acc. to EN 60950-1 and EN 50178 and EN 61131-2 Class I 3.5 mA 1.3 mA IP20 EN 55022 Class B EN 61000-3-2	
safety galvanic isolation between input and output galvanic isolation operating resource protection class leakage current • maximum • typical protection class IP EMC standard • for emitted interference • for mains harmonics limitation • for interference immunity standards, specifications, approvals	Safety extra-low output voltage Vout acc. to EN 60950-1 and EN 50178 and EN 61131-2 Class I 3.5 mA 1.3 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 1.3 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 1.3 mA IP20 EN 55022 Class B EN 61000-3-2 EN 61000-6-2 Yes	
safety 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 1.3 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	
safety 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 1.3 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	
safety 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 1.3 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	
safety 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 1.3 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	
safety 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 1.3 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	
safety 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 1.3 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 1.3 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	

MTBC at 40 °C 1 382 916 h	CB-certificate	Yes
certification of suitability EICET	MTBF at 40 °C	1 362 918 h
EICEs	standards, specifications, approvals hazardous environments	
- ATEX - ULivaroos approval - CCSNAS, Class 1, Division 2 - No - CCC for hazardous zone according to GB standard - CCSNAS, Class 1, Division 2 - CCC for hazardous zone according to GB standard - No - CCC for hazardous zone according to GB standard - No - The registration - White plastration - White plastration - White plastration - White plastration subspect of the control of t	certificate of suitability	
Uhazioc approval CSAus, Class 1, Division 2 UKEX CCC for hazardous zone according to GB standard FM registration No Standards, specifications, approvals marine classification Hyboulding approval Marine classification association American Bureau of Shipping Europe Ltd. (ABS) Fernech marine classification society (RV) Del Norske Veritais (DNV) Ludys Register of Shipping (LRS) No Standards, specifications, approvals Environmental Product Declaration global warming potential (CO2 eq) I total during manufacturing atterned of life during operation ambient temperature during operation in in horizontal mounting position during operation in in horizontal mounting position during operation during imagent during operation in vertical mounting position during operation during imagent during operation Auting operation Auting operation in vertical mounting position during operation during imagent during operation Auting o	• IECEx	No
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UREX CCC for hazardous zone according to 68 standard** **CCC for hazardous zone according to 68 standard** **Pidergistration** **Spapproval** **Pression** **American Bureau of Shipping Europe Ltd. (ASS) **Piench marine classification association** **American Bureau of Shipping Europe Ltd. (ASS) **Piench marine classification society (BV) **De Norske Verlata; (DNV) **Pes** **Leloyda Register of Shipping LRS) **No **Standards, specifications**, approvals Environmental Product Declaration global warming potential (CO2 eq) **Iotal** **Lotal** **Lota		No
## Mr registration shipbulling approval Marine classification association - American Bureau of Shipping Europe Ltd. (ABS) - French marine classification association - American Bureau of Shipping Europe Ltd. (ABS) - French marine classification society (8V) - Cet Monkey Vertas (DMV) - Libyds Register of Shipping (LRS) - Cet Monkey Vertas (DMV) - Libyds Register of Shipping (LRS) - Libyds		No
shpbuliding approval shpbuliding approval shpbuliding approval shpbuliding approval Armerican Bureau of Shipping Europe Ltd. (ABS) Armerican Bureau of Shipping Europe Ltd. (ABS) French marine classification society (BV) Det Norske Verista (DNV) Libyds Register of Shipping (LRS) No standards, specifications, approvable Environmental Product Declaration global warming potential (CO2 eq) Libyds Register of Shipping (LRS) during operation John of the Control of the Cont	 CCC for hazardous zone according to GB standard 	No
shipbuilding approval Marine dasaffication association - American Bureau of Shipping Europe Ltd. (ABS) - French marine classification society (BV) - Det Norske Verlass (DNV) - Lloyds Register of Shipping (LRS) - No Standdrafs, specifications, approvals Environmental Product Declaration global warning potential (CO2 eq) - total - during operation - during operation - during operation - she rend of life - during operation - in incircolar Innounting position during operation - in vertical mounting position during operation - at in vertical mounting - at output - 40 +85 °C - 40 +85	FM registration	No
Marine dissification association American Bureau of Shipping Europe Ltd. (ABS) French marine classification society (BV) Det Norske Veritas (DNV) Libudys Register of Shipping (LRS) Standards, specifications, approvals Environmental Product Declaration global warming potential (CO2 eq) total during manufacturing during operation after end of life O,51 kg during operation in in historicant innounting position during operation in historicant innounting into into into into into into into into	standards, specifications, approvals marine classification	
American Bureau of Shipping Europe Ltd. (ABS) French marine classification society (BVY) French marine classification society (BVY) Loyds Register of Shipping (LRS) No Standards, specifications, approvals Environmental Product Declaration global warming potential (CO2 eq) total during manufacturing total during operation after end of life during operation after end of life ambient conditions ambient temperature during operation in indizontal mounting position during operation during storage durin	shipbuilding approval	Yes
French marine classification society (BV) Det Norske Vertlas (DNV) L bloyds Register of Shipping (LRS) No standards, specifications, approvals Environmental Product Declaration global warming potential (CO2 eq) total during manufacturing claim operation after end of life during operation in horizontal mounting position during operation in horizontal mounting position during operation in horizontal mounting position during operation during storage environmental category according to IEC 60721 Connection method type of electrical aconnection at input st input st output removable terminal at input removable terminal at input removable terminal at output mochanical data width × height × depth of the enclosure installation width × mounting height required spacing top storage storage top sto	Marine classification association	
Det Norske Veritas (DNV) Lloyds Register of Shipping (LRS) Lloyds Register of Shipping (LRS) Possiblandards, specifications, approvals Environmental Product Declaration global warming potential [CO2 eq] • total • during manufacturing • during operation • after end of life mibient conditions ambient temperature • during operation • in inortzontal mounting position during operation • in inortzontal mounting position during operation • in vertical mounting position during operation • during storage • at input tupe of electrical connection • at input L N, PE: 1 screw terminal each for 0.5 in 2.5 mm² • at output tremovable terminal at input removable terminal at output removable terminal at out	 American Bureau of Shipping Europe Ltd. (ABS) 	Yes
Lloyds Register of Shipping (LRS) standards, specifications, approvals Environmental Product Declaration global warming potential (CO2 eq) • total • during manufacturing • during operation • after end of life • during operation • annihent temperature • during operation • in horizontal mounting position during operation • in vertical mounting position during operation • during strasport • during clamp connection • at input • at output • yes removable terminal at input yes removable terminal at output yes removable termina	 French marine classification society (BV) 	Yes
global warming potential [CO2 eq] • total • during manufacturing • during operation • after end of life • obtain ambient temperature • during operation • in horizontal mounting position during operation • in horizontal mounting position during operation • in vertical mounting position during operation • in vertical mounting position during operation • in vertical mounting position during operation • during storage • during storage • during storage • during storage • valum-85°C • during transport • at input type of electrical connection • at input • at output L*, M, PE: 1 screw terminal each for 0.5: 2.5 mm² • at output removable terminal at input removable terminal at output yes mochanical data width * height * depth of the enclosure installation width * mounting height required spacing • top • lottom • lott • lott • DIN-rail mounting • No housing can be lined up net weight • to website: Industry Mall • to web page: power supplies interest industry. Sciences and interest completed in the surport store without surplements completed in the surport store of the surplements completed in the surport store of these surplements completed in the surport store of the surpo	 Det Norske Veritas (DNV) 	Yes
global warming potential [CO2 eq] • total • during manufacturing • during operation • after end of life • during operation • after end of life • during operation • an of "C; with natural convection • in vertical mounting position during operation • in vertical mounting position during operation • during storage • during storage • during storage • during storage • an one to "C; with natural convection • in vertical mounting position during operation • during storage • 40 485 "C • environmental category according to IEC 60721 Climate class 3K3, 5 95% no condensation connection method type of electrical connection • at input • at output • an ou	 Lloyds Register of Shipping (LRS) 	No
• total • during manufacturing • during peration • during peration • after end of life • anbient conditions ambient emperature • during operation • in horizontal mounting position during operation • in horizontal mounting position during operation • in vertical mounting position during operation • In vertical mounting position during operation • during storage • evinor mental category according to IEC 60721 • Climate class 3K3, 5 95% no condensation • Screw-/spring clamp connection • Li riput • Screw-/spring clamp connection • Li riput • at output • Yes • moshanical data width × height × depth of the enclosure installation width × mounting height required spacing • top • bottom • left • pright fastering method • DIN-rail mounting • S7 rail mounting • S7 rail mounting • No housing can be lined up net weight further information Internet links internet link • to website: Industry Mall • to web page: power supplies • to website: Industry Mall • to website: Industry Solnine Support Inters/Support Industry, siemens.com	standards, specifications, approvals Environmental Product Dec	claration
- during operation - after end of life - during operation - after end of life - during operation - and the end of life - during operation - in horizontal mounting position during operation - in horizontal mounting position during operation - in vertical mounting position during operation - during transport - during transport - during storage - 40 485 °C - environmental category according to IEC 60721 - Climate class 3K3, 5 95% no condensation - connection method - type of electrical connection - at input - at output - at output - at output - this 2 pring-loaded terminal each for 0.5 to 2.5 mm² - removable terminal at input - removable terminal at output - removable terminal at input - removable terminal at output - removable terminal at removab	global warming potential [CO2 eq]	
antifer and of life antifer a	• total	589.1 kg
after end of life mbient conditions ambient temperature ouring operation in vertical mounting position during operation in vertical mounting position during operation ouring transport ouring transport ouring storage environmental category according to IEC 60721 connection method type of electrical connection at triput output tal triput output tremovable terminal at input removable terminal at input removable terminal at output removable terminal at output removable terminal at output removable terminal at output removable terminal with x mounting height required spacing op op op top Op Ad mm oleft op op op top op top can be mounted onto S7-1500 rail output output output output output required spacing op op op op op op op top op o	during manufacturing	14 kg
ambient conditions ambient temperature • during operation • in horizontal mounting position during operation • in horizontal mounting position during operation • in vertical mounting position during operation • during storage • during storage • 40 +85 °C environmental category according to IEC 60721 Climate class 3K3, 5 95% no condensation connection method type of electrical connection • at input • at output • at output removable terminal at input removable terminal at output Yes mechanical data width × height × depth of the enclosure installation width × mounting height required spacing • top • bottom • left • O mm • loft mounting • S7 rail mounting • S7 rail mounting • No housing can be lined up not weight further information internet links internet link • to website: Industry Mall • to web page: selection ald TIA Selection Tool • to web page: power supplies • to website: Industry Online Support • thus Sidemens.com	during operation	574.4 kg
ambient temperature • during operation • in horizontal mounting position during operation • in horizontal mounting position during operation • in vertical mounting position during operation • of well amounting position during operation • during transport • during storage • during at a same and a sa	after end of life	0.51 kg
 during operation in horizontal mounting position during operation in vertical mounting position during operation during transport during storage environmental category according to IEC 60721 Climate class 3K3, 5 95% no condensation connection method type of electrical connection at input L, N, PE: 1 screw terminal each for 0.5 2.5 mm² t-4, M: 2 spring-loaded terminals each for 0.5 to 2.5 mm² removable terminal at input Yes removable terminal at output Yes width × height × depth of the enclosure installation width × mounting height required spacing top bottom left omm eleft omm eleft omm soltom Somm one mounting No Somm one mounting one mounting<!--</td--><td>ambient conditions</td><td></td>	ambient conditions	
in horizontal mounting position during operation in vertical mounting position during operation during transport during storage 40 +85 °C eduring storage 40 +85 °C environmental category according to IEC 60721 Climate class 3K3, 5 95% no condensation connection method type of electrical connection at input the at output the at input the at output the at output the at output the movable terminal at input the connection termovable terminal at output the separation of the enclosure to permovable terminal at output the separation of the enclosure to permovable terminal at output the separation of the enclosure to permovable terminal to permovable terminals each for 0.5 to 2.5 mm² the enclosure terminal terminals to 2.5 mm² to permovable terminal to permovable terminals each for 0.5 to 2.5 mm² the enclosure terminal terminals to 2.5 mm² to permovable terminal terminals terminals terminals terminals each for 0.5 to 2.5 mm² the enclosure terminal terminal terminals termi	ambient temperature	
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 during transport during storage and 0 +85 °C during storage environmental category according to IEC 60721 Climate class 3K3, 5 95% no condensation connection method type of electrical connection at input t, N, PE: 1 screw terminal each for 0.5 2.5 mm² at output removable terminal at input Yes removable terminal at output Yes mechanical data width × height × depth of the enclosure 75 × 147 × 129 mm installation width × mounting height 75 mm × 205 mm required spacing top bottom left omm eleft omm 57 rail mounting No S7 rail mounting wall mounting woll mounting woll mounting woll mounting woll mounting woll mounting woll mounting housing can be lined up retwelpht 0.74 kg further information internet links internet link to website: Industry Mall https://mall.industry.siemens.com https://siemens.com/sitop to website: CAx-Download-Manager to website: Industry Online Support https://siemens.com/sitop https://siemens.com/sitop https://siemens.com/sitop https://siemens.com/sitop 	 in horizontal mounting position during operation 	0 60 °C
environmental category according to IEC 60721 connection method type of electrical connection e at input e at output e at output removable terminal at input width × height × depth of the enclosure installation width × mounting height required spacing e top bottom e left o mm o left o mm fastening method o DIN-rail mounting e S7 rail mounting wall mounting housing can be lined up net weight internet link internet link to website: Industry Mall e to website: Industry Mall o to web page: selection aid TIA Selection Tool to web site: CAx-Download-Manager o ttop scripciage industry. Surpers. Scripcing and surplus support intustry. Surpers. Com / tubes/sisemens.com/ https://semens.com/sisemens.com/ https://semens.com/sisemens.com/ https://semens.com/sisemens.com/ https://semens.com/sisemens.com/ https://semens.com/sisemens.com/ https://semens.com/cax https://semens.com/sisemens.com/ https://semens.com/cax	 in vertical mounting position during operation 	0 40 °C
environmental category according to IEC 60721 connection method type of electrical connection • at input • at output • 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 • pight fastening method • DIN-rail mounting • S7 rail mounting • wall mounting housing can be lined up net weight internet link • to website: Industry Mall • to web page: selection aid TIA Selection Tool • to web site: CAx-Download-Manager • to website: Industry Online Support • tots. X. 25 mm/s connection Screw-/spring clamp connection L, N, PE: 1 screw terminal acon for 0.5 2.5 mm² L, N, PE: 1 screw terminal each for 0.5 2.5 mm² L, N, PE: 1 screw terminal each for 0.5 2.5 mm² L, N, PE: 1 screw terminal each for 0.5 2.5 mm² L, N, PE: 1 screw terminal each for 0.5 2.5 mm² L, N, PE: 1 screw terminal each for 0.5 2.5 mm² L, N, PE: 1 screw terminal each for 0.5 2.5 mm² L, N, PE: 1 screw terminal each for 0.5 2.5 mm² L, N, PE: 1 screw terminal each for 0.5 2.5 mm² L, N, PE: 1 screw terminal each for 0.5 2.5 mm² L, N, PE: 1 screw terminal each for 0.5 2.5 mm² L, N, PE: 1 screw terminal each for 0.5 2.5 mm² Pes 1 screw terminal each for 0.5 2.5 mm² Pyes 40 mm 40 mm 9 und 9 om 6 om 9 om 10 mm 9 om 10 mm 10	during transport	-40 +85 °C
type of electrical connection • at input • at output • at output removable terminal at input yes machanical data width × height × depth of the enclosure installation width × mounting height • top • bottom • left • right • at mounting • S7 rall mounting • S7 rall mounting • Wall mou	during storage	-40 +85 °C
type of electrical connection • at input • at output removable terminal at input width × height × depth of the enclosure installation width × mounting height required spacing • top • DiN-rail mounting • S7 rail mounting • S7 rail mounting • Wall mounting • Wall mounting • Wall mounting • Wall mounting • Tyes respectively and internet links internet link • to web page: selection aid TIA Selection Tool • to web page: power supplies • to website: Industry Online Support • toutput • toutput • toutput • to website: Industry Online Support • toutput Streemens.com • to website: Industry Online Support	environmental category according to IEC 60721	Climate class 3K3, 5 95% no condensation
at input at output L+, M: 2 spring-loaded terminals each for 0.5 to 2.5 mm² removable terminal at input removable terminal at output Width × height × depth of the enclosure installation width × mounting height required spacing at top bottom bottom left oright restriction mounting bottom	connection method	
e at output removable terminal at input removable terminal at output Yes installation width × mounting height 75 × 147 × 129 mm 75 mm × 205 mm required spacing • top • top 40 mm 40 mm • left • mm • punch on the mounting • S7 rail mounting • S7 rail mounting • S7 rail mounting No housing can be lined up rewelght 10.74 kg rurther information internet links internet link • to website: Industry Mall • to web page: selection aid TIA Selection Tool • to web page: power supplies • to website: CAx-Download-Manager • to website: Industry Online Support https://support.industry.siemens.com/	type of electrical connection	Screw-/spring clamp connection
removable terminal at input removable terminal at output yes mechanical data width × height × depth of the enclosure installation width × mounting height for mm × 205 mm required spacing • top • bottom • bottom • left • oright • right • pIN-rail mounting • S7 rail mounting • S7 rail mounting • wall mounting housing can be lined up net weight further information internet links internet link • to web page: selection aid TIA Selection Tool • to web page: power supplies • to website: Industry Online Support	• at input	L, N, PE: 1 screw terminal each for 0.5 2.5 mm ²
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mechanical data width × height × depth of the enclosure 75 × 147 × 129 mm installation width × mounting height 75 mm × 205 mm required spacing 40 mm • top 40 mm • bottom 40 mm • left 0 mm • right 0 mm fastening method Can be mounted onto S7-1500 rail • DIN-rail mounting No • S7 rail mounting Yes • wall mounting No housing can be lined up Yes net weight 0.74 kg further information internet links internet link • to website: Industry Mall https://mall.industry.siemens.com • to web page: selection aid TIA Selection Tool https://sww.siemens.com/sitop • to website: CAx-Download-Manager https://siemens.com/sitop • to website: Industry Online Support https://support.industry.siemens.com	removable terminal at input	Yes
width × height × depth of the enclosure installation width × mounting height required spacing • top • top • bottom • bottom • left • o mm • right fastening method • DIN-rail mounting • wall mounting • wall mounting housing can be lined up net weight internet link • to website: Industry Mall • to website: CAx-Download-Manager • to website: Industry Online Support **Total mounting 75 × 147 × 129 mm 75 mm × 205 mm 75 mm	removable terminal at output	Yes
installation width × mounting height required spacing • top • bottom • left • right • right • DIN-rail mounting • wall mounting • wall mounting housing can be lined up net weight • to website: Industry Mall • to website: CAx-Download-Manager • to website: Industry Online Support • to website: Industry Siemens.com • to website: Industry Online Support • to website: Industry Siemens.com	mechanical data	
required spacing • top • bottom • left • right • right • DIN-rail mounting • wall mounting • wall mounting housing can be lined up net weight • to website: Industry Mall • to web page: power supplies • to website: CAx-Download-Manager • to website: Industry Online Support	width × height × depth of the enclosure	75 × 147 × 129 mm
 top bottom left 0 mm right 0 mm fastening method DIN-rail mounting S7 rail mounting wall mounting wall mounting hoo housing can be lined up ret weight 0.74 kg further information internet links internet link to web site: Industry Mall to web page: selection aid TIA Selection Tool to web page: power supplies to website: CAx-Download-Manager https://support.industry.siemens.com https://siemens.com/cax to website: Industry Online Support https://support.industry.siemens.com 	installation width × mounting height	75 mm × 205 mm
bottom left left loft loft right loft loft loft loft loft loft loft lof	required spacing	
 left o mm o mm fastening method o DIN-rail mounting o DIN-rail mounting o S7 rail mounting o wall mounting housing can be lined up net weight o to website: Industry Mall o to web page: selection aid TIA Selection Tool o to web page: power supplies o to website: CAx-Download-Manager o to website: Industry Online Support https://support.industry.siemens.com/ https://siemens.com/cax https://siemens.com/cax https://support.industry.siemens.com 	 top 	40 mm
 right 0 mm fastening method ○ DIN-rail mounting ○ S7 rail mounting ○ wall mounting housing can be lined up net weight 0.74 kg further information internet links internet link ○ to website: Industry Mall ○ to web page: selection aid TIA Selection Tool ○ to web page: power supplies ○ to website: CAx-Download-Manager ○ to website: Industry Online Support https://summs.com/cax o to website: Industry Online Support https://summs.com/cat.nidustry.siemens.com 	• bottom	40 mm
fastening method DIN-rail mounting S7 rail mounting Wes wall mounting No housing can be lined up ret weight ot website: Industry Mall to web page: power supplies to website: CAx-Download-Manager to website: Industry Online Support Can be mounted onto S7-1500 rail No No No No No https://siemens.com/stcloud https://siemens.com/stcloud https://siemens.com/stcloud https://siemens.com/stcloud https://siemens.com/stcloud https://siemens.com/cax https://siemens.com/cax https://siemens.com/cax https://siemens.com/cax	● left	0 mm
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S7 rail mounting Wall mounting No housing can be lined up Yes net weight 0.74 kg further information internet links internet link to website: Industry Mall to web page: selection aid TIA Selection Tool to web page: power supplies to web page: power supplies to website: CAx-Download-Manager to website: Industry Online Support https://siemens.com/cax https://siemens.com/cax https://siemens.com/cax https://siemens.com/cax https://siemens.com/cax	fastening method	Can be mounted onto S7-1500 rail
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housing can be lined up net weight 0.74 kg further information internet links internet link • to website: Industry Mall • to web page: selection aid TIA Selection Tool • to web page: power supplies • to web page: power supplies • to website: CAx-Download-Manager • to website: Industry Online Support https://siemens.com/cax • to website: Industry Online Support	S7 rail mounting	Yes
net weight further information internet links internet link • to website: Industry Mall • to web page: selection aid TIA Selection Tool • to web page: power supplies • to web page: power supplies • to website: CAx-Download-Manager • to website: Industry Online Support https://siemens.com/cax https://siemens.com/cax https://siemens.com/cax	wall mounting	No
internet link • to website: Industry Mall • to web page: selection aid TIA Selection Tool • to web page: power supplies • to website: CAx-Download-Manager • to website: Industry Online Support https://support.industry.siemens.com/ https://siemens.com/sitop https://siemens.com/cax	housing can be lined up	Yes
internet link • to website: Industry Mall • to web page: selection aid TIA Selection Tool • to web page: power supplies • to website: CAx-Download-Manager • to website: Industry Online Support https://siemens.com/cax https://siemens.com/cax		0.74 kg
 to website: Industry Mall to web page: selection aid TIA Selection Tool to web page: power supplies to website: CAx-Download-Manager to website: Industry Online Support https://siemens.com/cax https://siemens.com/cax https://siemens.com/cax 	further information internet links	
 to web page: selection aid TIA Selection Tool to web page: power supplies to website: CAx-Download-Manager to website: Industry Online Support https://siemens.com/sitop https://siemens.com/cax https://siemens.com/cax https://support.industry.siemens.com 	internet link	
 to web page: power supplies to website: CAx-Download-Manager to website: Industry Online Support https://siemens.com/cax https://siemens.com/cax https://support.industry.siemens.com 	• to website: Industry Mall	https://mall.industry.siemens.com
 to website: CAx-Download-Manager to website: Industry Online Support https://siemens.com/cax https://support.industry.siemens.com 	 to web page: selection aid TIA Selection Tool 	https://www.siemens.com/tstcloud
• to website: Industry Online Support https://support.industry.siemens.com		https://siemens.com/sitop
	to website: CAx-Download-Manager	
additional information	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 $% \left(1\right) =\left[1\right] \left[1\right] =\left[1\right] \left[1\right]$ 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





Manufacturer Declaration







General Product Approval

For use in hazardous locations

Miscellaneous

BIS CRS







<u>FM</u>

For use in hazardous locations

Maritime application

Environment

CCC-Ex











last modified:

4/30/2025

