SIEMENS

Data sheet

6EP4347-7RC00-0AX0



SITOP RED1200/REDM./DC24/48V/2X20A/EX

SITOP RED1200 redundancy module EX input/output: 24/48V DC/40 A Suitable for decoupling two SITOP power supplies with maximal per 20 A output current

Type of the power supply network supply voltage at DC input voltage at DC Output voltage curve at output number of outputs output voltage at DC rated value formula for output voltage **at OC Output voltage at DC rated value formula for output voltage **at output voltage at DC rated value formula for output voltage **at output 1 at DC rated value product function output voltage adjustable output current **rated value product function output voltage adjustable output current **rated value product function output voltage adjustable output current **rated value product feature **bridging of equipment Efficiency efficiency in percent power loss [W] **at rated output voltage for rated value of the output current typical during no-load operation maximum **Output Voltage output outpu	Input	
at DC input voltage at DC 10 58 V Cutput voltage curve at output	type of the power supply network	DC voltage
input voltage	supply voltage	
output voltage curve at output number of outputs output voltage at DC rated value formula for 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 • at output 1 at DC rated value output current • rated value • bridging of equipment * No **Efficiency** efficiency in percent power loss [W] • at rated output voltage for rated value of the output current typical • during no-load operation maximum **Operating resource protection class protection class IP **Approvals** certificate of suitability • CER marking **Yes **CSA approval • CSA approval • CCSA approval • CCSA sus, Class 1, Division 2 • ATEX certificate of suitability • ECEC • NEC Class 2 • UL hazloc approval • NEC Class 2 • UL hazloc approval • No UL approval • ECEC • NEC Class 2 • UL hazloc approval • No UL hazloc approval • No No **Operating resource protection of the current of the cur	• at DC	12 48 V
Output Controlled DC voltage voltage curve at output Controlled DC voltage number of outputs 1 output voltage at DC rated value 24 V formula for output voltage Vin - approx. 0.6 V output voltage 4 output 1 at DC rated value product function output voltage adjustable No output current 40 A product feature 40 A product feature 97.5 % power loss [W] 25 W efficiency 25 W efficiency in percent power loss [W] 25 W e during no-load operation maximum 0.1 W Safety 25 W galvanic isolation between input and output operating resource protection class No Class III protection class IP IP20 Approvals Yes eutificate of suitability Yes • CE marking Yes • CSAus, Class 1, Division 2 No • ATEX Yes eutificate of suitability Pes • ECEx Yes • NEC Class 2	input voltage	
voltage curve at output number of outputs 1 number of outputs 1 output voltage at DC rated value formula for output voltage voltage • at output 1 at DC rated value product function output voltage adjustable output current • rated value product feature • bridging of equipment • rated value product feature • bridging of equipment • rated output voltage for rated value of the output current typical • during no-load operation maximum • Value Safety galvanic isolation between input and output operating resource protection class protection class IP Approvals certificate of suitability • CE marking • CE marking • CE sa Approval • CSAus, Class 1, Division 2 • ATEX • NEC Class 2 • NEC Class 2 • NEC Class 2 • NEC Class 2 • NEC Pick Service of suitability • CE marking • Ne	• at DC	10 58 V
number of outputs output voltage at DC rated value formula for output voltage output voltage • at output 1 at DC rated value product function output voltage adjustable output current • rated value product feature • bridging of equipment • ortidging o	Output	
output voltage at DC rated value formula for output voltage output voltage • at output 1 at DC rated value product function output voltage adjustable output current • rated value product feature • bridging of equipment Fificiency efficiency in percent power loss [W] • at rated output voltage for rated value of the output current typical • during no-load operation maximum Safety galvanic isolation between input and output operating resource protection class protection class IP Approvals certificate of suitability • CE marking • UL approval • CSA approval • CSA approval • CSA approval • CSA (22.2 No. 107.1), File E197259 • ATEX certificate of suitability • IECEX • NE C Class 2 • ULhazloc approval • IECEX • NE C Class 2 • ULhazloc approval • FM registration	voltage curve at output	Controlled DC voltage
formula for output voltage output voltage • at output 1 at DC rated value product function output voltage adjustable output current • rated value product feature • bridging of equipment • bridging of equipment • bridging of equipment • power loss [W] • at rated output voltage for rated value of the output current typical • during no-load operation maximum • J.1 W Safety galvanic isolation between input and output operating resource protection class protection class IP Approvals certificate of suitability • CE marking • UL approval • CSA approval • CSA approval • CSA sporoval • CEEEE • NEC Class 2 • ULhazloc approval • FM registration	number of outputs	1
output voltage	output voltage at DC rated value	24 V
at output 1 at DC rated value product function output voltage adjustable output current are a rated value product feature bridging of equipment	formula for output voltage	Vin - approx. 0.6 V
product function output voltage adjustable output current • rated value product feature • bridging of equipment Efficiency efficiency efficiency in percent power loss [W] • at rated output voltage for rated value of the output current typical • during no-load operation maximum O.1 W Safety galvanic isolation between input and output operating resource protection class protection class IP Approvals certificate of suitability • CE marking • UL approval • CSA possibility • CE marking • UL approval • CSA c22.2 No. 62368-1 • ATEX certificate of suitability • IECEX • NEC Class 2 • ULhazloc approval • IECEX • NEC Class 2 • ULhazloc approval • FM registration	output voltage	
output current	 at output 1 at DC rated value 	24 V
rated value product feature	product function output voltage adjustable	No
product feature	output current	
bridging of equipment Fificiency efficiency efficiency in percent power loss [W]	• rated value	40 A
efficiency efficiency in percent power loss [W] • at rated output voltage for rated value of the output current typical • during no-load operation maximum Safety galvanic isolation between input and output operating resource protection class protection class IP Approvals certificate of suitability • CE marking • UL approval • CSA approval • CSA approval • CSA, class 1, Division 2 • ATEX certificate of suitability • IECEX • NEC Class 2 • ULhazloc approval • FM registration 97.5 % No C25 W C25 W C25 W C26 W C27 W C18 SIII IP20 ANO Yes Class III IP20 Approvals Yes Class III IP20 Yes Class III IP20 Approval Yes Class III IP20 Yes Class III IP20 Approval Yes Class III IP20 Yes Class III IP20 Approval Yes Class III IP20 Approval Yes Class III IP20 Approval Yes CULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259 Yes CSA C22.2 No. 62368-1 No No No No FM registration No	product feature	
efficiency in percent power loss [W] • at rated output voltage for rated value of the output current typical • during no-load operation maximum O.1 W Safety galvanic isolation between input and output operating resource protection class protection class IP Approvals certificate of suitability • CE marking • UL approval • CSA approval • CSA, class 1, Division 2 • ATEX certificate of suitability • CESAus, Class 1, Division 2 • ATEX certificate of suitability • CESA 2 • ATEX certificate of suitability • IECEX • NEC Class 2 • ULhazloc approval • No • FM registration	 bridging of equipment 	No
power loss [W] • at rated output voltage for rated value of the output current typical • during no-load operation maximum O.1 W Safety galvanic isolation between input and output operating resource protection class protection class IP Approvals certificate of suitability • CE marking • UL approval • CSA approval • CSA approval • CCSAus, Class 1, Division 2 • ATEX certificate of suitability • CESA c22.2 No. 62368-1 No • ATEX certificate of suitability • CESA c22.2 No. 62368-1 No • ATEX certificate of suitability • IECEX • NEC Class 2 • ULhazloc approval • FM registration	Efficiency	
at rated output voltage for rated value of the output current typical during no-load operation maximum Safety galvanic isolation between input and output operating resource protection class Protection class IP IP20 Approvals certificate of suitability CE marking UL approval CSA approval CSA approval CSA, Class 1, Division 2 ATEX certificate of suitability ECSA certificate of suitability ECCSA CCCC No. 62368-1 No Yes CULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259 Yes; CSA C22.2 No. 62368-1 No Yes CISSA C22.2 No. 62368-1 No Yes CISSA CCCC No. 62368-1 No	efficiency in percent	97.5 %
current typical • during no-load operation maximum Safety galvanic isolation between input and output operating resource protection class protection class IP Approvals certificate of suitability • CE marking • UL approval • CSA approval • CSA approval • CSA, Class 1, Division 2 • ATEX certificate of suitability • IECEx • NEC Class 2 • ULhazloc approval • EM registration 0.1 W No Class III IP20 Yes Ves CLUus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259 Yes; CSA C22.2 No. 62368-1 Ves Celloss III Ves Ves Ves Class III IP20 Yes Ves Ves Class III IP20 Yes Class III IP20 Yes Ves Class III IP20 Yes Catherian Action	power loss [W]	
galvanic isolation between input and output operating resource protection class Class III protection class IP IP20 Approvals certificate of suitability		25 W
galvanic isolation between input and output operating resource protection class protection class IP Approvals certificate of suitability	 during no-load operation maximum 	0.1 W
operating resource protection class protection class IP IP20 Approvals certificate of suitability	Safety	
protection class IP IP20 Approvals certificate of suitability	galvanic isolation between input and output	No
Approvals certificate of suitability	operating resource protection class	Class III
certificate of suitability CE marking UL approval CSA approval CCSAus, Class 1, Division 2 ATEX Certificate of suitability IECEx NEC Class 2 ULhazloc approval FM registration Yes Yes Yes Yes Yes CULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259 Yes; CSA C22.2 No. 62368-1 Yes; CSA C22.2 No. 62368-1 Yes Ves No No No Yes Ves No No No No No No No No No N	protection class IP	IP20
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 UL approval CSA approval CCSAus, Class 1, Division 2 ATEX Certificate of suitability IECEx NEC Class 2 ULhazloc approval FM registration Yes; CULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259 Yes; CSA C22.2 No. 62368-1 No 	certificate of suitability	
 CSA approval cCSAus, Class 1, Division 2 ATEX certificate of suitability IECEx Ne Ne Ves Ne Class 2 ULhazloc approval FM registration Yes; CSA C22.2 No. 62368-1 No No No No No No No No 	CE marking	Yes
 CSA approval cCSAus, Class 1, Division 2 ATEX certificate of suitability IECEx Ne Ne Ves Ne Class 2 ULhazloc approval FM registration Yes; CSA C22.2 No. 62368-1 No No No No No No No No 	UL approval	Yes; cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259
 ATEX Certificate of suitability IECEx NEC Class 2 ULhazloc approval FM registration Yes No No 		
certificate of suitability • IECEx • NEC Class 2 • ULhazloc approval • FM registration Ves No No	• cCSAus, Class 1, Division 2	No
 IECEx NEC Class 2 ULhazloc approval FM registration Yes No No 	• ATEX	Yes
 IECEx NEC Class 2 ULhazloc approval FM registration Yes No No 	certificate of suitability	
 ULhazloc approval FM registration No 		Yes
• FM registration No	NEC Class 2	No
• FM registration No	ULhazloc approval	No
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y : r · · · · · · · · · · · · · · · · · ·	certificate of suitability shipbuilding approval	No

shipbuilding approval	available soon
Marine classification association	
 American Bureau of Shipping Europe Ltd. (ABS) 	No
French marine classification society (BV)	No
• DNV GL	No
 Lloyds Register of Shipping (LRS) 	No
Nippon Kaiji Kyokai (NK)	No
EMC	
standard	
 for emitted interference 	EN 61000-6-3
 for interference immunity 	EN 61000-6-2
environmental conditions	
ambient temperature	
 during operation 	-30 +70 °C; with natural convection
 during transport 	-40 +85 °C
during storage	-40 +85 °C
environmental category according to IEC 60721	Climate class 3K3, 5 95% no condensation
Mechanics	
type of electrical connection	Push-in terminals
• at input	In1, In2: each for 0.75 16 mm ²
at output	Out1: 0.75 16 mm ²
width of the enclosure	45 mm
height of the enclosure	135 mm
depth of the enclosure	125 mm
required spacing	
• top	45 mm
bottom	45 mm
• left	0 mm
● right	0 mm
net weight	0.51 kg
product feature of the enclosure housing can be lined up	Yes
fastening method	Snaps onto DIN rail EN 60715 35x7.5/15
MTBF at 40 °C	6 100 000 h
other information	Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)

