6EP4346-7RB00-0AX0

Data sheet



SITOP RED1200/Red.M./DC24/48V/2X10A

SITOP RED1200 redundancy module Input/output: 24/48 V DC/20 A Suitable for decoupling two SITOP power supplies with max. 10 A output current each

input	
type of the power supply network	DC voltage
supply voltage at DC	12 48 V
input voltage at DC	10 58 V
output	
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	
at output 1 at DC rated value	24 V
output voltage adjustable	No
output current	
rated value	20 A
bridging of equipment	No
efficiency	
efficiency in percent	97.5 %
power loss [W]	
 at rated output voltage for rated value of the output current typical 	12 W
 during no-load operation maximum 	0.1 W
safety	
galvanic isolation between input and output	No
operating resource protection class	Class III
protection class IP	IP20
EMC	
standard	
• for emitted interference	EN 61000-6-3
• for interference immunity	EN 61000-6-2
standards, specifications, approvals	
certificate of suitability	
CE marking	Yes
UL approval	Yes; cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259
CSA approval	Yes; CSA C22.2 No. 62368-1
NEC Class 2	No
MTBF at 40 °C	8 100 000 h
standards, specifications, approvals hazardous environments	
standards, specifications, approvals hazardous environments certificate of suitability	
	No

 ULhazloc approval 	No
 cCSAus, Class 1, Division 2 	No
FM registration	No
standards, specifications, approvals marine classification	
shipbuilding approval	No
Marine classification association	
 American Bureau of Shipping Europe Ltd. (ABS) 	No
 French marine classification society (BV) 	No
 Det Norske Veritas (DNV) 	No
Lloyds Register of Shipping (LRS)	No
standards, specifications, approvals Environmental Product Dec	claration
Environmental Product Declaration	Yes
global warming potential [CO2 eq]	
● total	396.8 kg
 during manufacturing 	51.1 kg
 during operation 	1 051.5 kg
after end of life	0.81 kg
ambient conditions	
ambient temperature	
during operation	-40 +70; with natural convection
 during transport 	-40 +85
during storage	-40 +85
environmental category according to IEC 60721	Climate class 3K3, 5 95% no condensation
connection method	
type of electrical connection	push-in terminals
• at input	In1, In2: each for 0.2 10 mm ²
• at output	Out1: 0.2 10 mm ²
mechanical data	
width × height × depth of the enclosure	35 × 135 × 125 mm
installation width × mounting height	35 mm × 225 mm
required spacing	
● top	45 mm
• bottom	45 mm
● left	0 mm
● right	0 mm
fastening method	Snaps onto DIN rail EN 60715 35x7.5/15
DIN-rail mounting	Yes
S7 rail mounting	No
wall mounting	No
housing can be lined up	Yes
net weight	0.47 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://www.siemens.com/tstcloud
to web page: power supplies	https://siemens.com/sitop
to website: CAx-Download-Manager	https://siemens.com/cax
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

Manufacturer Declaration Declaration of Conformity







Marine / Shipping

Environment





last modified:

2/18/2025

6EP4347-7RB00-0AX0

Data sheet



SITOP RED1200/Red.M./DC24/48V/2X20A

SITOP RED1200 redundancy module Input/output: 24/48 V DC/40 A Suitable for decoupling two SITOP power supplies with max. 20 A output current each

type of the power supply network DC voltage supply voltage at DC 12 48 V input voltage at DC 10 58 V cutput voltage curve at output Controlled DC voltage number of outputs 1 1	input	
input voltage at DC output voltage curve at output number of outputs 1 output voltage at DC rated value 24 V formula for output voltage • at output voltage • at output 1 at DC rated value 24 V output voltage • at output 1 at DC rated value output voltage adjustable No output outrent • rated value 40 A 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 0.1 W safety galvanic isolation between input and output operating resource protection class Class III protection class IP EMC standard • for emitted interference • for interference immunity EN 61000-6-3 • for interference immunity EN 61000-6-2 standards, specifications, approvals • CSA approval • NEC Class 2 No MTBF at 40 °C standards, specifications, approvals hazardous environments certificate of suluability • IECEX No	type of the power supply network	DC voltage
voltage curve at output voltage curve at output number of outputs 1 output voltage at DC rated value 24 V formula for output voltage • at output 1 at DC rated value 24 V output voltage adjustable • at output 1 at DC rated value • (at output voltage adjustable • (at output voltage for adjustable • (at output voltage for adjustable • (at output volta	supply voltage at DC	12 48 V
voltage curve at output number of outputs 1 number of outputs 24 V formula for output voltage output voltage 4 to vin - approx. 0.6 V output voltage • at output 1 at DC rated value output current • rated value • rated value • A0 A bridging of equipment No strictency 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 EMC standards, specifications, approvals certificate of suitability • No MTSP at Ad °C standards, specifications, approvals hazardous environmentss certificate of suitability • IECEX No Custom Controlled DC voltage 1 1 1 2 4 V Voltage and DC rated value 24 V vin - approx. 0.6 V Voltage and voltage prox. 0.6 V A0 A broad A0 A0 broad A0 A b	input voltage at DC	10 58 V
number of outputs output voltage at DC rated value 24 V formula for output voltage Vin - approx. 0.6 V output voltage	output	
output voltage at DC rated value formula for output voltage output voltage output voltage • at output 1 at DC rated value output voltage adjustable output current • rated value • at output at value 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 0.1 W safety galvanic isolation between input and output operating resource protection class protection class IP EMC standard • for emitted interference • for interference immunity end interference interference • for interference immunity • CE marking • CE marking Yes • CSA approval • NC AND MTSF at 40 °C standards, specifications, approvals hazardous environments certificate of suitability • NC Standards, specifications, approvals hazardous environments certificate of suitability • NC CISS STANDARD Ves: CULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259 Yes; CSA C22.2 No. 62368-1 NO MTSF at 40 °C standards, specifications, approvals hazardous environments certificate of suitability • IECEX No	voltage curve at output	Controlled DC voltage
formula for output voltage output voltage • at output 1 at DC rated value output voltage adjustable output current • rated value • A0 A bridging of equipment officiency efficiency in percent power loss [W] • at arted 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 EMC standard • for emitted interference • for interference immunity standards, specifications, approvals certificate of suitability • CE marking • CE marking • NEC Class 2 MTBF at 40 °C standards, specifications, approvals hazardous environments certificate of suitability • IECEX Mo	number of outputs	1
output voltage • at output 1 at DC rated value output voltage adjustable No output current • rated value • value • rated value • during no-load operation maximum • outing no-load operation maximum • outing no-load operation maximum • outing no-load operation dauput value • during no-load operation dauput protection class IP IP20 EMC standard • for emitted interference • for interference immunity • for emitted interference • for interference immunity • EN 61000-6-2 standards, specifications, approvals certificate of suitability • CE marking • Ves • CE marking • Ves • CSA approval • Nec Class 2 No MTBF at 40 °C • for 100 000 h standards, specifications, approvals hazardous environments certificate of suitability • IECEX No	output voltage at DC rated value	24 V
at output 1 at DC rated value output voltage adjustable No output current a rated value bridging of equipment e rated value 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 for rated value of the output current typical during no-load operation maximum output voltage for rated value of the output current typical during no-load operation maximum output voltage for rated value of the output current typical e during no-load operation maximum output No operating resource protection class protection class IP EMC standard for emitted interference for interference immunity EN 61000-6-3 for interference immunity EN 61000-6-2 standards, specifications, approvals certificate of suitability e CE marking Yes e UL approval e CSA approval No MTBF at 40 °C for lood on the standards, approvals hazardous environments certificate of suitability e IECEX No	formula for output voltage	Vin - approx. 0.6 V
output voltage adjustable output current • rated value 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 0.1 W safety galvanic isolation between input and output operating resource protection class protection class IP ENC standard • for emitted interference • for interference immunity EN 61000-6-3 • for emitted interference • for interference immunity EN 61000-6-2 standards, specifications, approvals • CE marking • UL approval • CSA approval • CSA approval • NC Class 2 NO MTBF at 40 °C MTBF at 40 °C standards, specifications, approvals hazardous environments certificate of suitability • IECEx No	output voltage	
output current	at output 1 at DC rated value	24 V
rated value bridging of equipment sefficiency efficiency efficiency in percent power loss [W]	output voltage adjustable	No
bridging of equipment officiency efficiency efficiency in percent power loss [W] • at rated output voltage for rated value of the output current typical • during no-load operation maximum 0.1 W safety galvanic isolation between input and output No operating resource protection class protection class IP EMC standard • for emitted interference • for interference immunity • for emitted rence immunity • CE marking • UL approval • CE marking • UL approval • NEC Class 2 MTBF at 40 °C standards, specifications, approvals hazardous environments certificate of suitability • ESEA Mo MTBF at 40 °C standards, specifications, approvals hazardous environments certificate of suitability • IECEx No	output current	
efficiency efficiency in percent power loss [W] • at rated output voltage for rated value of the output current typical • during no-load operation maximum 0.1 W safety galvanic isolation between input and output	• rated value	40 A
efficiency in percent power loss [W] • at rated output voltage for rated value of the output current typical • during no-load operation maximum 0.1 W safety galvanic isolation between input and output No operating resource protection class protection class IP EMC standard • for emitted interference • for interference immunity EN 61000-6-3 • for interference immunity EN 61000-6-2 standards, specifications, approvals certificate of suitability • CE marking • UL approval • CSA approval • NEC Class 2 MTBF at 40 °C standards, specifications, approvals hazardous environments certificate of suitability • IECEx No	bridging of equipment	No
power loss [W] • at rated output voltage for rated value of the output current typical • during no-load operation maximum 0.1 W safety galvanic isolation between input and output operating resource protection class protection class IP EMC standard • for emitted interference • for interference immunity certificate of suitability • CE marking • UL approval • CSA approval • NEC Class 2 MTBF at 40 °C standards, specifications, approvals hazardous environments certificate of suitability • IECEx No	efficiency	
at rated output voltage for rated value of the output current typical buring no-load operation maximum 0.1 W safety galvanic isolation between input and output operating resource protection class protection class IP IP20 EMC standard for emitted interference for interference immunity EN 61000-6-3 certificate of suitability CE marking UL approval CSA approval CSA approval No MTBF at 40 °C standards, specifications, approvals hazardous environments certificate of suitability MECEX No MTBF at 40 °C standards, specifications, approvals hazardous environments certificate of suitability IECEX No	efficiency in percent	97.5 %
current typical • during no-load operation maximum safety galvanic isolation between input and output No operating resource protection class Class III protection class IP IP20 EMC standard • for emitted interference • for interference immunity EN 61000-6-3 • for interference immunity certificate of suitability • CE marking • UL approval • CSA approval • CSA approval • NEC Class 2 MTBF at 40 °C standards, specifications, approvals hazardous environments certificate of suitability • IECEx No	power loss [W]	
galvanic isolation between input and output operating resource protection class protection class IP IP20 EMC standard • for emitted interference • for interference immunity EN 61000-6-3 • for interference immunity EN 61000-6-2 standards, specifications, approvals certificate of suitability • CE marking • UL approval • CSA approval • CSA approval • NEC Class 2 Mo MTBF at 40 °C standards, specifications, approvals hazardous environments certificate of suitability • IECEX No	·	25 W
galvanic isolation between input and output operating resource protection class protection class IP IP20 EMC standard • for emitted interference • for interference immunity EN 61000-6-3 • for interference immunity EN 61000-6-2 standards, specifications, approvals certificate of suitability • CE marking • UL approval • CSA approval • CSA approval • NEC Class 2 Mo MTBF at 40 °C standards, specifications, approvals hazardous environments certificate of suitability • IECEX No	during no-load operation maximum	0.1 W
operating resource protection class protection class IP IP20 EMC standard • for emitted interference • for interference immunity EN 61000-6-3 • for interference immunity standards, specifications, approvals certificate of suitability • CE marking • UL approval • CSA approval • CSA approval • NEC Class 2 MTBF at 40 °C Standards, specifications, approvals hazardous environments certificate of suitability • IECEx No	safety	
protection class IP EMC standard • for emitted interference • for interference immunity standards, specifications, approvals certificate of suitability • CE marking • UL approval • CSA approval • NEC Class 2 MTBF at 40 °C standards, specifications, approvals hazardous environments certificate of suitability No	galvanic isolation between input and output	No
standard • for emitted interference • for interference immunity EN 61000-6-3 • for interference immunity EN 61000-6-2 standards, specifications, approvals certificate of suitability • CE marking • UL approval • CSA approval • CSA approval • CSA approval • NEC Class 2 No MTBF at 40 °C standards, specifications, approvals hazardous environments certificate of suitability • IECEx No	operating resource protection class	Class III
standard • for emitted interference • for interference immunity EN 61000-6-3 • for interference immunity EN 61000-6-2 standards, specifications, approvals certificate of suitability • CE marking • UL approval • CSA approval • CSA approval • NEC Class 2 No MTBF at 40 °C Standards, specifications, approvals hazardous environments certificate of suitability • IECEx No	protection class IP	IP20
• for emitted interference • for interference immunity EN 61000-6-2 standards, specifications, approvals certificate of suitability • CE marking • UL approval • CSA approval • NEC Class 2 MTBF at 40 °C standards, specifications, approvals hazardous environments certificate of suitability • IECEx EN 61000-6-2 EN 610000-6-2 Standards, Specifications, approvals Yes CSA C22.2 No. 107.1), File E197259 Yes; CSA C22.2 No. 62368-1 No No No	EMC	
	standard	
standards, specifications, approvals certificate of suitability • CE marking • UL approval • CSA approval • CSA approval • NEC Class 2 MO MTBF at 40 °C standards, specifications, approvals hazardous environments certificate of suitability • IECEx No No	• for emitted interference	EN 61000-6-3
certificate of suitability CE marking UL approval CSA approval NEC Class 2 MTBF at 40 °C Standards, specifications, approvals hazardous environments Certificate of suitability IECEx No Ves; cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259 Yes; CSA C22.2 No. 62368-1 No No 6 100 000 h	for interference immunity	EN 61000-6-2
CE marking Ves UL approval CSA approval NEC Class 2 MTBF at 40 °C standards, specifications, approvals hazardous environments certificate of suitability IECEx Ves; cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259 Yes; CSA C22.2 No. 62368-1 No 6 100 000 h Standards, specifications, approvals hazardous environments No	standards, specifications, approvals	
UL approval CSA approval CSA approval NEC Class 2 MTBF at 40 °C standards, specifications, approvals hazardous environments certificate of suitability IECEx Ves; cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259 Yes; CSA C22.2 No. 62368-1 No 6 100 000 h Standards, specifications, approvals hazardous environments	certificate of suitability	
CSA approval NEC Class 2 No MTBF at 40 °C 6 100 000 h standards, specifications, approvals hazardous environments certificate of suitability IECEx No	CE marking	Yes
NEC Class 2 No MTBF at 40 °C 6 100 000 h standards, specifications, approvals hazardous environments certificate of suitability IECEx No	 UL approval 	Yes; cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259
MTBF at 40 °C 6 100 000 h standards, specifications, approvals hazardous environments certificate of suitability • IECEx No	 CSA approval 	Yes; CSA C22.2 No. 62368-1
standards, specifications, approvals hazardous environments certificate of suitability • IECEx No	NEC Class 2	No
certificate of suitability • IECEx No	MTBF at 40 °C	6 100 000 h
• IECEx No	standards, specifications, approvals hazardous environments	
	certificate of suitability	
• ATEX	• IECEx	No
	• ATEX	No

ULhazloc approval	No
 cCSAus, Class 1, Division 2 	No
FM registration	No
standards, specifications, approvals marine classification	
shipbuilding approval	No
Marine classification association	
 American Bureau of Shipping Europe Ltd. (ABS) 	No
 French marine classification society (BV) 	No
 Det Norske Veritas (DNV) 	No
Lloyds Register of Shipping (LRS)	No
standards, specifications, approvals Environmental Product Dec	claration
Environmental Product Declaration	Yes
global warming potential [CO2 eq]	
● total	805.5 kg
 during manufacturing 	51.1 kg
 during operation 	1 051.5 kg
after end of life	0.81 kg
ambient conditions	
ambient temperature	
during operation	-40 +70; with natural convection
 during transport 	-40 +85
during storage	-40 +85
environmental category according to IEC 60721	Climate class 3K3, 5 95% no condensation
connection method	
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
mechanical data	
width × height × depth of the enclosure	45 × 135 × 125 mm
installation width × mounting height	45 mm × 225 mm
required spacing	
● top	45 mm
• bottom	45 mm
● left	0 mm
● right	0 mm
fastening method	Snaps onto DIN rail EN 60715 35x7.5/15
DIN-rail mounting	Yes
S7 rail mounting	No
wall mounting	No
housing can be lined up	Yes
net weight	0.51 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://www.siemens.com/tstcloud
to web page: power supplies	https://siemens.com/sitop
• to website: CAx-Download-Manager	https://siemens.com/cax
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

General Product Approval





Manufacturer Declara-<u>tion</u>

Declaration of Conformity





General Product Approval

Marine / Shipping

Environment







last modified:

2/18/2025



6EP4347-7RC00-0AX0

Data sheet



SITOP RED1200/Red.M./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

input	
type of the power supply network	DC voltage
supply voltage at DC	12 48 V
input voltage at DC	10 58 V
output	
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	
 at output 1 at DC rated value 	24 V
output voltage adjustable	No
output current	
rated value	40 A
bridging of equipment	No
efficiency	
efficiency in percent	97.5 %
power loss [W]	
 at rated output voltage for rated value of the output current typical 	25 W
 during no-load operation maximum 	0.1 W
safety	
galvanic isolation between input and output	No
operating resource protection class	Class III
protection class IP	IP20
EMC	
standard	
• for emitted interference	EN 61000-6-3
 for interference immunity 	EN 61000-6-2
standards, specifications, approvals	
certificate of suitability	
CE marking	Yes
UL approval	Yes; cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259
CSA approval	Yes; CSA C22.2 No. 62368-1
 UKCA marking 	Yes
NEC Class 2	No
type of certification	
CB-certificate	Yes
MTBF at 40 °C	6 100 000 h
standards, specifications, approvals hazardous environments	

certificate of suitability • IECEX • ATEX • ULhazloc approval • cCSAus, Class 1, Division 2 • UKEX	Yes; IECEx Ex ec IIC T4 Gc Yes; ATEX (EX) II 3G Ex ec IIC T4 Gc Yes Yes Yes Yes No
 ATEX ULhazloc approval cCSAus, Class 1, Division 2 UKEX 	Yes; ATEX (EX) II 3G Ex ec IIC T4 Gc Yes Yes Yes Yes
ULhazloc approvalcCSAus, Class 1, Division 2UKEX	Yes Yes Yes Yes
• cCSAus, Class 1, Division 2 • UKEX	Yes Yes Yes
• UKEX	Yes Yes
	Yes
 CCC for hazardous zone according to GB standard 	No
 FM registration 	
standards, specifications, approvals marine classification	
shipbuilding approval	No
Marine classification association	
 American Bureau of Shipping Europe Ltd. (ABS) 	No
 French marine classification society (BV) 	No
 Det Norske Veritas (DNV) 	No; in preparation
 Lloyds Register of Shipping (LRS) 	No
standards, specifications, approvals Environmental Product De	claration
Environmental Product Declaration	Yes
global warming potential [CO2 eq]	
• total	805.5 kg
during manufacturing	46.4 kg
during operation	281.6 kg
after end of life	0.74 kg
ambient conditions	, and the second
ambient temperature	
during operation	-40 +70; with natural convection
during transport	-40 +85
during storage	-40 +85
environmental category according to IEC 60721	Climate class 3K3, 5 95% no condensation
connection method	Similate state sixty, c 5578 no sortationation
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
mechanical data	Out1. 0.70 10 mm
width × height × depth of the enclosure	45 × 135 × 125 mm
installation width × mounting height	45 mm × 225 mm
5 5	45 Hilli ^ 225 Hilli
required spacing	45 mm
• top	45 mm
• bottom	
• left	0 mm
• right	0 mm
fastening method	Snaps onto DIN rail EN 60715 35x7.5/15
DIN-rail mounting S7 rail mounting	Yes
S7 rail mounting	No No
wall mounting	No
housing can be lined up	Yes
net weight	0.51 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://www.siemens.com/tstcloud
to web page: power supplies	https://siemens.com/sitop
to website: CAx-Download-Manager	https://siemens.com/cax
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





Manufacturer Declaration







For use in hazardous locations

Marine / Shipping







CCC-Ex





Environment



last modified:

2/16/2025

6EP4348-7RB00-0AX0

Data sheet



SITOP RED1200/DC24/48V/2X40A

SITOP RED1200 redundancy module input/output: DC 24/48V/80 A Suitable for decoupling two SITOP power supplies with maximal per 40 A output current

input	
type of the power supply network	DC voltage
supply voltage at DC	12 48 V
input voltage at DC	10 58 V
output	
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	
at output 1 at DC rated value	24 V
output voltage adjustable	No
output current	
rated value	80 A
bridging of equipment	No
efficiency	
efficiency in percent	97.5 %
power loss [W]	
 at rated output voltage for rated value of the output current typical 	46 W
 during no-load operation maximum 	0.1 W
safety	
galvanic isolation between input and output	No
operating resource protection class	Class III
protection class IP	IP20
EMC	
standard	
• for emitted interference	EN 61000-6-3
• for interference immunity	EN 61000-6-2
standards, specifications, approvals	
certificate of suitability	
CE marking	Yes
UL approval	Yes; cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259
CSA approval	Yes; CSA C22.2 No. 62368-1
NEC Class 2	No
MTBF at 40 °C	4 900 000 h
standards, specifications, approvals hazardous environments	
certificate of suitability	
• IECEx	No

 ULhazloc approval 	No
 cCSAus, Class 1, Division 2 	No
FM registration	No
standards, specifications, approvals marine classification	
shipbuilding approval	No
Marine classification association	
 American Bureau of Shipping Europe Ltd. (ABS) 	No
 French marine classification society (BV) 	No
 Det Norske Veritas (DNV) 	No
Lloyds Register of Shipping (LRS)	No
standards, specifications, approvals Environmental Product Dec	claration
Environmental Product Declaration	Yes
global warming potential [CO2 eq]	
• total	1 485.3 kg
 during manufacturing 	46.4 kg
 during operation 	281.6 kg
after end of life	0.74 kg
ambient conditions	
ambient temperature	
during operation	-40 +70; with natural convection
during transport	-40 +85
during storage	-40 +85
environmental category according to IEC 60721	Climate class 3K3, 5 95% no condensation
connection method	
type of electrical connection	push-in terminals
• at input	In1, In2: each for 0.75 16 mm ²
• at output	Out1, Out2: 0.75 16 mm ²
mechanical data	
width × height × depth of the enclosure	45 × 135 × 125 mm
installation width × mounting height	45 mm × 225 mm
required spacing	
● top	45 mm
• bottom	45 mm
● left	0 mm
• right	0 mm
fastening method	Snaps onto DIN rail EN 60715 35x7.5/15
DIN-rail mounting	Yes
S7 rail mounting	No
wall mounting	No
housing can be lined up	Yes
net weight	1.01 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://www.siemens.com/tstcloud
to web page: power supplies	https://siemens.com/sitop
to website: CAx-Download-Manager	https://siemens.com/cax
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)

	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

General Product Approval

Marine / Shipping







Manufacturer Declaration





Environment



last modified:

2/16/2025

