SIEMENS

Data sheet 6EP4348-7RB00-0AX0

SITOP RED1200/24/48VDC/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
● 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 Declaration	
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 °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
connection method	
type of electrical connection	push-in terminals
● at input	In1, In2: each for 0.75 ... 16 mm²
● at output	Out1, Out2: 0.75 ... 16 mm²
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

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Classifications

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

Approvals Certificates

General Product Approval

CB CSA EG-Konf. UKCA Manufacturer Declaration UL

General Product Approval	Maritime application	Environment

RCM ABS DNV EPD

last modified: 4/4/2025