



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

Technical Product Detail Page

<https://i.siemens.com/1P6EP4348-7RB00-0AX0>

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	$V_{in} - \text{approx. } 0.6 \text{ V}$
output voltage	
<ul style="list-style-type: none"> <li>at output 1 at DC rated value</li> </ul>	24 V
output voltage adjustable	No
output current	
<ul style="list-style-type: none"> <li>rated value</li> </ul>	80 A
bridging of equipment	No
efficiency	
efficiency in percent	97.5 %
power loss [W]	
<ul style="list-style-type: none"> <li>at rated output voltage for rated value of the output current typical</li> </ul>	46 W
<ul style="list-style-type: none"> <li>during no-load operation maximum</li> </ul>	0.1 W
safety	
galvanic isolation between input and output	No
operating resource protection class	Class III
protection class IP	IP20
EMC	
standard	
<ul style="list-style-type: none"> <li>for emitted interference</li> </ul>	EN 61000-6-3
<ul style="list-style-type: none"> <li>for interference immunity</li> </ul>	EN 61000-6-2
standards, specifications, approvals	
certificate of suitability	
<ul style="list-style-type: none"> <li>CE marking</li> </ul>	Yes
<ul style="list-style-type: none"> <li>UL approval</li> </ul>	Yes; cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259
<ul style="list-style-type: none"> <li>NEC Class 2</li> </ul>	No
MTBF at 40 °C	4 900 000 h
standards, specifications, approvals hazardous environments	
certificate of suitability	
<ul style="list-style-type: none"> <li>IECEX</li> </ul>	No

<ul style="list-style-type: none"> <li>• ATEX</li> <li>• ULhazloc approval</li> <li>• FM registration</li> </ul>	No
<b>standards, specifications, approvals marine classification</b>	
shipbuilding approval	No
Marine classification association	
<ul style="list-style-type: none"> <li>• American Bureau of Shipping Europe Ltd. (ABS)</li> <li>• French marine classification society (BV)</li> <li>• Det Norske Veritas (DNV)</li> <li>• Lloyds Register of Shipping (LRS)</li> </ul>	No
<b>standards, specifications, approvals Environmental Product Declaration</b>	
Environmental Product Declaration	Yes
global warming potential [CO2 eq]	
<ul style="list-style-type: none"> <li>• total</li> <li>• during manufacturing</li> <li>• during operation</li> <li>• after end of life</li> </ul>	1 485.3 kg 44.4 kg 1 439.8 kg 1 kg
<b>ambient conditions</b>	
ambient temperature	
<ul style="list-style-type: none"> <li>• during operation</li> <li>• during transport</li> <li>• during storage</li> </ul>	-40 ... +70 °C; with natural convection -40 ... +85 °C -40 ... +85 °C
environmental category according to IEC 60721	Climate class 3K3, 5 ... 95% no condensation
<b>connection method</b>	
type of electrical connection	push-in terminals
<ul style="list-style-type: none"> <li>• at input</li> <li>• at output</li> </ul>	In1, In2: each for 0.75 ... 16 mm <sup>2</sup> Out1, Out2: 0.75 ... 16 mm <sup>2</sup>
<b>mechanical data</b>	
width × height × depth of the enclosure	45 × 135 × 125 mm
installation width × mounting height	45 mm × 225 mm
required spacing	
<ul style="list-style-type: none"> <li>• top</li> <li>• bottom</li> <li>• left</li> <li>• right</li> </ul>	45 mm 45 mm 0 mm 0 mm
fastening method	Snaps onto DIN rail EN 60715 35x7.5/15
<ul style="list-style-type: none"> <li>• DIN-rail mounting</li> <li>• S7 rail mounting</li> <li>• wall mounting</li> </ul>	Yes No No
housing can be lined up	Yes
net weight	1.01 kg
<b>further information internet links</b>	
internet link	
<ul style="list-style-type: none"> <li>• to website: Industry Mall</li> <li>• to web page: selection aid TIA Selection Tool</li> <li>• to web page: power supplies</li> <li>• to website: CAx-Download-Manager</li> <li>• to website: Industry Online Support</li> </ul>	<a href="https://mall.industry.siemens.com">https://mall.industry.siemens.com</a> <a href="https://www.siemens.com/tstcloud">https://www.siemens.com/tstcloud</a> <a href="https://siemens.com/sitop">https://siemens.com/sitop</a> <a href="https://siemens.com/cax">https://siemens.com/cax</a> <a href="https://support.industry.siemens.com">https://support.industry.siemens.com</a>
<b>additional information</b>	
other information	Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)
<b>security information</b>	
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

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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

#### Environmental Product Declaration

• global warming potential [CO2 eq] / during manufacturing	44.4 kg
• global warming potential [CO2 eq] / during operation	1439.8 kg
• global warming potential [CO2 eq] / after end of life	1 kg
• global warming potential [CO2 eq] / total	1485.3 kg

#### Environment

#### General Product Approval



[Manufacturer Declaration](#)

[China RoHS](#)

#### General Product Approval

#### Maritime application



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