



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	$V_{in} - \text{approx. } 0.6 \text{ V}$
output voltage	
• at output 1 at DC rated value	24 V
product function output voltage adjustable	No
output current	
• rated value	80 A
product feature	
• 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
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
• cCSAus, Class 1, Division 2	No
• ATEX	No
certificate of suitability	
• IECEx	No
• NEC Class 2	No
• ULhazloc approval	No
• FM registration	No

certificate of suitability 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>• DNV GL</li> <li>• Lloyds Register of Shipping (LRS)</li> <li>• Nippon Kaiji Kyokai (NK)</li> </ul>	<ul style="list-style-type: none"> <li>No</li> <li>No</li> <li>No</li> <li>No</li> <li>No</li> </ul>
<b>EMC</b>	
standard	
<ul style="list-style-type: none"> <li>• for emitted interference</li> <li>• for interference immunity</li> </ul>	<ul style="list-style-type: none"> <li>EN 61000-6-3</li> <li>EN 61000-6-2</li> </ul>
<b>environmental conditions</b>	
ambient temperature	
<ul style="list-style-type: none"> <li>• during operation</li> <li>• during transport</li> <li>• during storage</li> </ul>	<ul style="list-style-type: none"> <li>-30 ... +70 °C; with natural convection</li> <li>-40 ... +85 °C</li> <li>-40 ... +85 °C</li> </ul>
environmental category according to IEC 60721	Climate class 3K3, 5 ... 95% no condensation
<b>Mechanics</b>	
type of electrical connection	push-in terminals
<ul style="list-style-type: none"> <li>• at input</li> <li>• at output</li> </ul>	<ul style="list-style-type: none"> <li>In1, In2: each for 0.75 ... 16 mm<sup>2</sup></li> <li>Out1, Out2: 0.75 ... 16 mm<sup>2</sup></li> </ul>
width of the enclosure	45 mm
height of the enclosure	135 mm
depth of the enclosure	125 mm
required spacing	
<ul style="list-style-type: none"> <li>• top</li> <li>• bottom</li> <li>• left</li> <li>• right</li> </ul>	<ul style="list-style-type: none"> <li>45 mm</li> <li>45 mm</li> <li>0 mm</li> <li>0 mm</li> </ul>
net weight	1.01 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	4 900 000 h
other information	Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)

