



SITOP BUF1200/300MS/40A

SITOP BUF1200 buffer module Buffer time 300 ms at 40 A Buffer t. depends on load current DC input 24 V

Technical Product Detail Page

<https://i.siemens.com/1P6EP4231-7HB00-0AX0>

### input

supply voltage at DC rated value	24 V
supply voltage at DC	24 ... 28 V
input voltage at DC	20 ... 30 V

### memory

design of the mains power cut bridging-connection	Module for buffering during short power interruptions; parallel connection at the output of 24 V power supplies. Buffer time of 300 ms at 40 A up to 2.4 s at 5 A load current; multiplication possible by parallel connection
buffering time in the event of power failure	0.3 min

### output

output current	40 A
<ul style="list-style-type: none"> <li>rated value</li> </ul>	

### protection and monitoring

display version	LED green for "buffer standby exist"
<ul style="list-style-type: none"> <li>for normal operation</li> </ul>	

### interfaces

product component PC interface	No
product function communication function	No
design of the interface	without

### safety

galvanic isolation between input and output	Yes
operating resource protection class	Class III
protection class IP	IP20
standard	EN 61000-6-2
<ul style="list-style-type: none"> <li>for interference immunity</li> </ul>	

### standards, specifications, approvals

certificate of suitability	Yes Yes; cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259 Yes Yes
<ul style="list-style-type: none"> <li>CE marking</li> </ul>	
<ul style="list-style-type: none"> <li>UL approval</li> </ul>	
<ul style="list-style-type: none"> <li>EAC approval</li> </ul>	
<ul style="list-style-type: none"> <li>SEMI F47</li> </ul>	Yes
type of certification CB-certificate	Yes

### standards, specifications, approvals hazardous environments

certificate of suitability	No
<ul style="list-style-type: none"> <li>ATEX</li> </ul>	

### standards, specifications, approvals marine classification

shipbuilding approval	Yes
Marine classification association	

<ul style="list-style-type: none"> <li>American Bureau of Shipping Europe Ltd. (ABS)</li> <li>Det Norske Veritas (DNV)</li> </ul>	<p>Yes; in preparation</p> <p>Yes; in preparation</p>
<b>standards, specifications, approvals Environmental Product Declaration</b>	
Environmental Product Declaration	Yes
global warming potential [CO <sub>2</sub> 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>	<p>68.8 kg</p> <p>19 kg</p> <p>49.1 kg</p> <p>0.36 kg</p>
<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>	<p>-40 ... +70 °C; with natural convection</p> <p>-40 ... +85 °C</p> <p>-40 ... +85 °C</p>
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>	<p>+: push-in for 0.75 ... 16 mm<sup>2</sup></p> <p> -: push-in for 0.5 ... 6 mm<sup>2</sup></p>
<b>mechanical data</b>	
width × height × depth of the enclosure	70 × 135 × 155 mm
installation width × mounting height	70 mm × 225 mm
required spacing	
<ul style="list-style-type: none"> <li>top</li> <li>bottom</li> <li>left</li> <li>right</li> </ul>	<p>45 mm</p> <p>45 mm</p> <p>0 mm</p> <p>0 mm</p>
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>	<p>Yes</p> <p>No</p> <p>No</p>
housing can be lined up	Yes
net weight	1.2 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>	<p><a href="https://mall.industry.siemens.com">https://mall.industry.siemens.com</a></p> <p><a href="https://www.siemens.com/tstcloud">https://www.siemens.com/tstcloud</a></p> <p><a href="https://siemens.com/sitop">https://siemens.com/sitop</a></p> <p><a href="https://siemens.com/cax">https://siemens.com/cax</a></p> <p><a href="https://support.industry.siemens.com">https://support.industry.siemens.com</a></p>
<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 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 <a href="http://www.siemens.com/cybersecurity-industry">www.siemens.com/cybersecurity-industry</a> . 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 <a href="https://www.siemens.com/cert">https://www.siemens.com/cert</a> . (V4.7)

**Classifications**

	Version	Classification
eClass	14	27-04-07-05
eClass	12	27-04-07-05
eClass	9.1	27-04-07-05
eClass	9	27-04-07-05
eClass	8	27-04-06-90
eClass	7.1	27-04-06-90
eClass	6	27-04-06-90
ETIM	10	EC000382
ETIM	9	EC000382
ETIM	8	EC000382
ETIM	7	EC000382
IDEA	4	4149
UNSPSC	15	39-12-10-11

**Approvals Certificates**

**General Product Approval**



[Manufacturer Declaration](#)



[China RoHS](#)



**Maritime application**

**Environment**



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