

SITOP BUFFER MODULE  
 SITOP PSE201U buffer module Buffer time 100 ms to 10 s  
 Depending on load current



Input	
Supply voltage at DC Rated value	24 V
Voltage curve at input	DC
input voltage range	24 ... 28.8 V DC
Mains buffering	
Design of the mains power cut bridging-connection	Backup time: with 40 A load current: 200 ms; with 20 A load current: 400 ms; with 10 A load current: 800 ms; with 5 A load current: 1.6 s. Reduces the backup time by 100 ms in combination with 6EP1 437-3BA10. Maximum backup time 100 ms in combination with 6EP1 336-2BA20.
Output	
Formula for output voltage	$V_{in} - \text{approx. } 1 \text{ V}$
Output current	40 A
<ul style="list-style-type: none"> <li>Rated value</li> </ul>	
Signaling	
Display version	Green LED for "supply voltage > 20.5 V"
<ul style="list-style-type: none"> <li>for normal operation</li> </ul>	
Interface	

Product component PC interface	No
Design of the interface	without
<b>Safety</b>	
Galvanic isolation between entrance and outlet	Yes
Operating resource protection class	Class I
Certificate of suitability	Yes
<ul style="list-style-type: none"> <li>• CE marking</li> <li>• as approval for USA</li> <li>• relating to ATEX</li> <li>• C-Tick</li> </ul>	<p>UL-Listed (UL 508), File E197259, CSA (CSA C22.2 No. 14, CSA C22.2 No. 107.1)</p> <p>IECEx Ex nA nC IIC T4 Gc; ATEX (EX) II 3G Ex nA nC IIC T4 Gc; cCSAus (CSA C22.2 No. 213, ANSI/ISA-12.12.01) Class I, Div. 2, Group ABCD, T4</p> <p>No</p>
Shipbuilding approval	ABS, DNV GL
Protection class IP	IP20
<b>EMC</b>	
Standard	
<ul style="list-style-type: none"> <li>• for emitted interference</li> <li>• for interference immunity</li> </ul>	<p>EN 55022 Class B</p> <p>EN 61000-6-2</p>
<b>Operating data</b>	
Ambient temperature	
<ul style="list-style-type: none"> <li>• during operation</li> <li>• during transport</li> <li>• during storage</li> </ul>	<p>-25 ... +70 °C; with natural convection</p> <p>-40 ... +85 °C</p> <p>-40 ... +85 °C</p>
Environmental category acc. to IEC 60721	Climate class 3K3, no condensation
<b>Mechanics</b>	
Type of electrical connection	screw-type terminals
<ul style="list-style-type: none"> <li>• at input</li> <li>• at output</li> <li>• for control circuit and status message</li> </ul>	<p>+: 1 screw terminal for 0.5 ... 10 mm<sup>2</sup></p> <p> -: 1 screw terminal for 0.5 ... 10 mm<sup>2</sup></p> <p>-</p>
Width of the enclosure	70 mm
Height of the enclosure	125 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>	<p>50 mm</p> <p>50 mm</p> <p>0 mm</p> <p>0 mm</p>
Net weight	1.2 kg
Product feature of the enclosure housing for side-by-side mounting	Yes

Mounting type	Snaps onto DIN rail EN 60715 35x7.5/15
MTBF at 40 °C	2 538 071 h
Reference code acc. to DIN EN 81346-2	T
Other information	Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)