

SITOP BUF8600 4S/40A  
 SITOP BUF8600 4s Buffer module for PSU8600 Buffer capacity 4 s/40 A with dual-layer capacitors maintenance-free



Mains buffering	
type of energy storage	Double-layer capacitors
design of the mains power cut bridging-connection	Backup time with 40 A load current: 4 s
buffering time for rated value of the output current in the event of power failure	4 000 ms
Output	
output current	
<ul style="list-style-type: none"> <li>rated value</li> </ul>	40 A
Signaling	
display version	3-color LED for operating state module
<ul style="list-style-type: none"> <li>for normal operation</li> <li>in buffering mode</li> </ul>	LED green for "buffer standby exist" LED yellow for "buffered mode"
Interface	
design of the interface	Ethernet/PROFINET via power supply unit PSU8600
Safety	
operating resource protection class	Class III
certificate of suitability	

<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>Yes</p> <p>cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259; cCSAus (CSA C22.2 No. 60950-1, UL 60950-1)</p> <p>IECEX nA IIC T5 Gc; ATEX (EX) II 3G Ex nA IIC T5 Gc; cCSAus (CSA C22.2 No. 213, ANSI/ISA-12.12.01) Class I, Div. 2, Group ABCD, T5</p> <p>No</p>
type of certification CB-certificate	Yes
shipbuilding approval	ABS, DNV GL
protection class IP	IP20

## EMC

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>

## environmental conditions

ambient temperature	
<ul style="list-style-type: none"> <li>• during operation</li> <li>• during transport</li> <li>• during storage</li> </ul>	<p>-25 ... +60 °C; with natural convection</p> <p>-40 ... +70 °C</p> <p>-40 ... +70 °C</p>
environmental category acc. to IEC 60721	Climate class 3K3, 5 ... 95% no condensation

## Mechanics

type of electrical connection	Plug-in terminal with screw connectors
<ul style="list-style-type: none"> <li>• at input</li> <li>• at output</li> <li>• for control circuit and status message</li> </ul>	<p>-</p> <p>-</p> <p>X1, X2 (control contact) and 13,14, 23, 24 (message signals): 1 screw terminal each for 0.2 ... 1.5 mm<sup>2</sup></p>
type of connection to system components	Via integrated connector
width of the enclosure	60 mm
height of the enclosure	125 mm
depth of the enclosure	150 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	1.25 kg
product feature of the enclosure housing for side-by-side mounting	Yes
mounting type	Snaps onto DIN rail EN 60715 35x15
mechanical accessories	Device identification label 20 mm × 7 mm, TI-grey 3RT2900-1SB20
MTBF at 40 °C	1 374 707 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)