

SITOP BUF8600 100MS/40A  
 SITOP BUF8600 100ms Buffer module for PSU8600 Buffer capacity  
 100 ms/40 A with electrolytic capacitors maintenance-free



Mains buffering	
Type of energy storage	electrolytic capacitors
Design of the mains power cut bridging-connection	Backup time with 40 A load current: 100 ms
Buffering time for rated value of the output current in the event of power failure	100 ms
Output	
Output current	
• Rated value	40 A
Signaling	
Display version	3-color LED for operating state module
• for normal operation	LED green for "buffer standby exist"
• in buffering mode	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>	Yes cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259; cCSAus (CSA C22.2 No. 60950-1, UL 60950-1) 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 No
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>	EN 55022 Class B EN 61000-6-2

## environmental conditions

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

## Mechanics

Type of electrical connection	-
<ul style="list-style-type: none"> <li>• at input</li> <li>• at output</li> <li>• for control circuit and status message</li> </ul>	-
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>	50 mm 50 mm 0 mm 0 mm
Net weight	1.33 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	4 505 531 h
Reference code acc. to DIN EN 81346-2	T

