## **SIEMENS**

## Data sheet

6EP4297-8HB00-0XY0

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



Type of energy storage  Design of the mains power cut bridging-connection  Buffering time for rated value of the output current in the event of power failure  Output  Output  Output current  • Rated value  Au A  Signaling  Display version  • for normal operation  • in buffering mode  Interface  Design of the interface  Design of the interface  Safety  Operating resource protection class  Class III  Certificate of suitability	Mains buffering	
Buffering time for rated value of the output current in the event of power failure  Output  Output  Output current  • Rated value  40 A  Signaling  Display version  • for normal operation  • for normal operation  • in buffering mode  Interface  Design of the interface  Ethernet/PROFINET via power supply unit PSU8600  Safety  Operating resource protection class  Class III	Type of energy storage	electrolytic capacitors
Output Output current  Rated value  Signaling  Display version  of or normal operation  oin buffering mode  Interface  Design of the interface  Safety  Operating resource protection class  Class III	Design of the mains power cut bridging-connection	Backup time with 40 A load current: 100 ms
Output Output current  Rated value  40 A  Signaling  Display version  of or normal operation  in buffering mode  Interface  Design of the interface  Ethernet/PROFINET via power supply unit PSU8600  Safety  Operating resource protection class  Class III	Buffering time for rated value of the output current in	100 ms
Output current  • Rated value  Signaling  Display version • for normal operation • in buffering mode  Interface  Design of the interface  Ethernet/PROFINET via power supply unit PSU8600  Safety  Operating resource protection class  Class III	the event of power failure	
● Rated value  Signaling  Display version ● for normal operation ● in buffering mode  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	Output	
Signaling  Display version  • for normal operation  • in buffering mode  Interface  Design of the interface  Safety  Operating resource protection class  3-color LED for operating state module  LED green for "buffer standby exist"  LED yellow for "buffered mode"  Ethernet/PROFINET via power supply unit PSU8600  Class III	Output current	
Display version  • for normal operation  • in buffering mode  Interface  Design of the interface  Safety  Operating resource protection class  3-color LED for operating state module  LED green for "buffer standby exist"  LED yellow for "buffered mode"  Ethernet/PROFINET via power supply unit PSU8600  Class III	Rated value	40 A
Display version  • for normal operation  • in buffering mode  Interface  Design of the interface  Safety  Operating resource protection class  3-color LED for operating state module  LED green for "buffer standby exist"  LED yellow for "buffered mode"  Ethernet/PROFINET via power supply unit PSU8600  Class III	0. "	
● for normal operation  ● in buffering mode  Interface  Design of the interface  Safety  Operating resource protection class  LED green for "buffer standby exist"  LED yellow for "buffered mode"  Ethernet/PROFINET via power supply unit PSU8600  Class III		
● 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	Display version	3-color LED for operating state module
Interface Design of the interface  Ethernet/PROFINET via power supply unit PSU8600  Safety Operating resource protection class  Class III	<ul><li>for normal operation</li></ul>	LED green for "buffer standby exist"
Design of the interface Ethernet/PROFINET via power supply unit PSU8600  Safety Operating resource protection class Class III	• in buffering mode	LED yellow for "buffered mode"
Design of the interface Ethernet/PROFINET via power supply unit PSU8600  Safety Operating resource protection class Class III		
Safety Operating resource protection class Class III	Interface	
Operating resource protection class  Class III	Design of the interface	Ethernet/PROFINET via power supply unit PSU8600
	Safety	
Certificate of suitability	Operating resource protection class	Class III
	Certificate of suitability	

• CE marking	Yes
as approval for USA	cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259; cCSAus (CSA C22.2 No. 60950-1, UL 60950-1)
• relating to ATEX	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
• C-Tick	No
Type of certification CB-certificate	Yes
Shipbuilding approval	ABS, DNV GL
Protection class IP	IP20

## Standard

• for emitted interference	EN 55022 Class B
for interference immunity	FN 61000-6-2

Operating data	
Ambient temperature	
<ul> <li>during operation</li> </ul>	-25 +60 °C; with natural convection
<ul> <li>during transport</li> </ul>	-40 +70 °C
during storage	-40 +70 °C
Environmental category acc. to IEC 60721	Climate class 3K3; in addition 95% maximum relative humidity, but without condensation

Mechanics	
Type of electrical connection	-
• at input	-
• at output	-
<ul> <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	
• top	50 mm
• bottom	50 mm
• left	0 mm
● right	0 mm
Net weight	1.33 kg
Product feature of the enclosure housing for side-by-	Yes
side mounting	
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	Т
Other information	Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)