SIEMENS

Data sheet 6EP4295-8HB00-0XY0

SITOP BUF8600 10S/40A
SITOP BUF8600 10s Buffer module for PSU8600 Buffer capacity 10 s/40 A with double-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: 10 s
Buffering time for rated value of the output current in the event of power failure	10 000 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	

• 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

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

environmental conditions	
Ambient temperature	
• during operation	-25 ... +60 °C; with natural convection
• during transport	-40 ... +70 °C
• during storage	-40 ... +70 °C
Environmental category acc. to IEC 60721	Climate class 3K3, 5 … 95% no condensation

Mechanics	
Type of electrical connection	Plug-in terminal with screw connectors
• at input	-
• at output	-
• for control circuit and status message	X1, X2 (control contact) and 13,14, 23, 24 (message signals): 1 screw terminal each for 0.2 ... 1.5 mm²
Type of connection to system components	Via integrated connector
Width of the enclosure	125 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	1.95 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	1 190 747 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)