

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"<br>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> |

## Operating data

|  |  |
|--|--|
| 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; in addition 95% maximum relative humidity, but without 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) |