

SITOP BUF8600 100MS/40A  
SITOP BUF8600 100MS BUFFER MODULE FOR PSU8600  
BUFFER CAPACITY 100 MS/40 A



| 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 <ul style="list-style-type: none"><li>Rated value</li></ul>                                     | 40 A                                                                                                             |
| Signaling                                                                                                      |                                                                                                                  |
| Display version <ul style="list-style-type: none"><li>for normal operation</li><li>in buffering mode</li></ul> | 3-color LED for operating state module<br>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> | Yes<br>cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259;<br>cCSAus (CSA C22.2 No. 60950-1, UL 60950-1)<br>IECEX nA IIC T5 Gc; ATEX (EX) II 3G Ex nA IIC T5 Gc<br>No |
| Type of certification CB-certificate                                                                                                        | Yes                                                                                                                                                                         |
| Shipbuilding approval                                                                                                                       | GL (ABS in process)                                                                                                                                                         |
| 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<br>EN 61000-6-2 |

## Operating data

|                                                                                                                            |                                                                             |
|----------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|
| 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<br>-40 ... +70 °C<br>-40 ... +70 °C |
| Environmental category acc. to IEC 60721                                                                                   | Climate class 3K3, 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<br>50 mm<br>0 mm<br>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                                                                                                                       | 1 944 258 h                                                                                       |
| Equipment marking acc. to DIN EN 81346-2                                                                                            | T                                                                                                 |
| Other information                                                                                                                   | Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified) |