SST™-PB3S-CPX Slave Modules for PROFIBUS®

SST™-PB3S-CPX Modules connect Rockwell Automation CompactLogix L2, L3 and L4 controllers as a Slave to PROFIBUS® DP-V0 networks, enabling high-performance, low-cost solutions for industrial automation applications.

Features and Benefits

<table>
<thead>
<tr>
<th>Feature</th>
<th>Benefit</th>
</tr>
</thead>
<tbody>
<tr>
<td>10/100 Mb Ethernet port</td>
<td>Enables fast downloads, remote connections/monitoring. Provides backplane or front-module configuration options. Accommodates low-cost cable.</td>
</tr>
<tr>
<td>Up to 244 input bytes and 244 output bytes per Slave</td>
<td>Delivers high data throughput as Slave device.</td>
</tr>
<tr>
<td>Software configured as Slave</td>
<td>Requires no ladder logic.</td>
</tr>
<tr>
<td>Simple PROFIBUS Slave capability</td>
<td>Provides a low-cost module.</td>
</tr>
<tr>
<td>MicroSD card slot (8 GB MicroSD card included)</td>
<td>Facilitates easy module swap-out.</td>
</tr>
<tr>
<td>MTBF of 181 years</td>
<td>Presents reliable, trouble-free usage.</td>
</tr>
</tbody>
</table>

Applications

- Marine
- Packaging
- Agro-Food
- Mining
- Automotive
Specifications

**Description**

- LINK, SPEED, SD, OK, STATE, FAULT LEDs provide 29 visual fault/state indications.
- Changes to PROFIBUS* configuration with PLC in RUN mode.
- Autoscan network supported.
- Support multiple modules in rack.
- Supports CompactLogix† L2 and L3 processor, rev. 15 and higher, L4 rev. 20 and higher.
- Slave, 244 input bytes, 244 output bytes, 244-word total.
- One 10/100 Mb/s Ethernet port, RJ-45, configuration and diagnostics.
- Firmware upgradeable.

- OS supported: Windows XP, 7 (32, 64-bit); Vista, 8 (32, 64-bit).
- Operating Temperatures: 0 to 60°C.
- Storage Temperatures: -40 to 85°C.
- Relative Humidity: 5 to 95%, non-condensing.
- Slave DP-VO.
- One PROFIBUS port, DB9 female, Galvanic isolation 1000V.
- PROFIBUS speed: 9.6 Kbps up to 12 Mbps.
- MTBF: 181 years at 25°C.
- Auto-Run.
- Maximum Distance Rating: 4 slots.
- Status data: 250 words.

**Included Hardware/Software**

- One, SST-PB3S-CPX PROFIBUS Slave Module.
- One, 8 GB MicroSD card.
- One, Product CD (engineering tools, configuration console).

**Compatible Protocols**

- Slave DP-VO.

**Conformance**

- RoHS compliant.
- CE Certified.
- Ex (ATEX).
- FCC.
- Korea CC.
- UL Class I Div 2 Groups A, B, C, D.
- PI Certified.

Ordering Information

<table>
<thead>
<tr>
<th>Order No.</th>
<th>Product Name</th>
<th>Module</th>
</tr>
</thead>
<tbody>
<tr>
<td>112016-0029</td>
<td>SST-PB3S-CPX</td>
<td>SST™ PROFIBUS* Slave Communication Module for Rockwell CompactLogix, includes Remote Link Library</td>
</tr>
</tbody>
</table>

PROFIBUS* Slave Module, SST-PB3S-CPX, Networking Capabilities Diagram

*PROFIBUS is a trademark of PROFIBUS International.
†CompactLogix is a registered trademark of Rockwell Automation, Inc.

[www.molex.com/link/sstcommunicationmodules.html](http://www.molex.com/link/sstcommunicationmodules.html)