

SST™-PB3-CPX Master/Slave Modules for PROFIBUS*

molex®

SST™-PB3-CPX Master/Slave Modules connect Rockwell Automation CompactLogix L2, L3 and L4 controllers to PROFIBUS* DP-V0, DP-V1 networks, enabling high-performance, low-cost solutions for industrial automation applications

Features and Benefits

Can be configured as PROFIBUS* Master, Slave or Master/Slave

Delivers an extremely flexible design. Reduces inventory and spares. Easy to spec in.

10/100 Mb Ethernet port

Enables fast downloads, remote connections/monitoring. Provides backplane or front-module configuration options. Accommodates low-cost cable

Up to 1,984 input bytes and 1,968 output bytes per Master

Suitable for large PROFIBUS networks

PROFIBUS port has 1,000-volt electrical isolation

Ensures robust and reliable network with high immunity to electrical noise

MicroSD card slot (8 GB MicroSD card included)

Facilitates easy module swap-out

MTBF of 181 years

Provides reliable, trouble-free usage



SST™-PB3-CPX PROFIBUS* Master/Slave Module

Applications

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



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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
 Master, 1,984 Input Bytes, 1,968 Output Bytes
 Slave, 244 Input Bytes, 244 Output Bytes
 One 10/100 Mbps 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
 Acyclic communications (DPV1), Read and Write
 One PROFIBUS port, DB9 female,
 Galvanic isolation 1000V
 PROFIBUS speed: 9.6 Kbps up to 12 Mbps
 MTBF: 181 years at 25°C
 Maximum Distance Rating: 4 slots
 Maximum 125 Slaves supported
 Status data: 250 words

Included Hardware/Software

One, SST™-PB3-CPX Universal PROFIBUS Module
 One, 8 GB MicroSD card
 One, Product CD (engineering tools, configuration console)

Compatible Protocols

Master DP-V0 Class-1 and Class-2
 Master DP-V1 Class-1 and Class-2
 Slave DP-V0

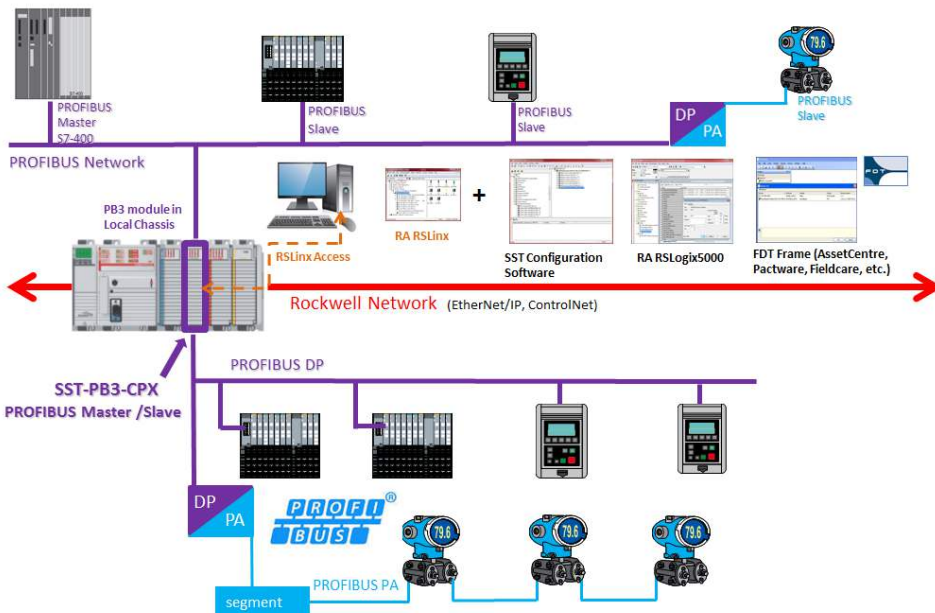
Conformance

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

Ordering Information

Order No.	Product Name	Module
112016-0028	SST-PB3-CPX	SST™ PROFIBUS* Master and Slave Communication Module for Rockwell Automation CompactLogix†, includes Remote Link Library

Universal PROFIBUS* Module, SST-PB3-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