molex®

Network throughput with SST™ Communication Modules for Slave connection of Rockwell ControlLogix systems to PROFIBUS networks

Features and Benefits

Connects Rockwell ControlLogix as a slave to a PROFIBUS network

Fully integrated into the Rockwell Automation environment
- Remote monitoring via Rockwell RSLinx™
- Add-On-Profile for Rockwell RSLogix5000
- PNO Certified

Direct IO Mapping, no Ladder Logic to write for configuration and data transfer between module and CLX processor

Conformal coated version:
- Protects electronic boards from moisture and contaminants

CLXT modules feature wider temperature ranges and conformal coated, harsh-duty components for use with Rockwell XT PLCs

PROFI® BUS

Rockwell Automation
Encompass™ Product Partner
Global

Specifications

DESCRIPTION
High-speed deterministic communication
Easy diagnostics:
  Built-in LEDs and 4 characters display
Easy installation with no ladder logic required and fully backplane compatible
Dedicated PROFIBUS Slave module
All configuration done using AOP in RSLogix5000
Auto-Boot

COMPATIBLE PROTOCOLS
Slave DP-V0

CONFORMANCE
RoHS compliant
CE
PNO Certified
Class 1 Div 2
Marine (RINA)

CLXT MODULE:
Same specifications as SST-PB3S-CLX-RLL plus:
Conformal coating
eXTreme components
Ambient Operating Temperature -25 to 70°C

INCLUDED HARDWARE/SOFTWARE
Add-On-Profile for increased functionality and reduced commissioning time
Support Local and Remote chassis
One PROFIBUS port, DB9 female, Galvanic insulation 1000V
  Speed: 9.6 Kbps up to 12 Mbps
LEDs for system, communication, and network status
Simple data transfer up to 244 total words
One Serial port for upgrading firmware
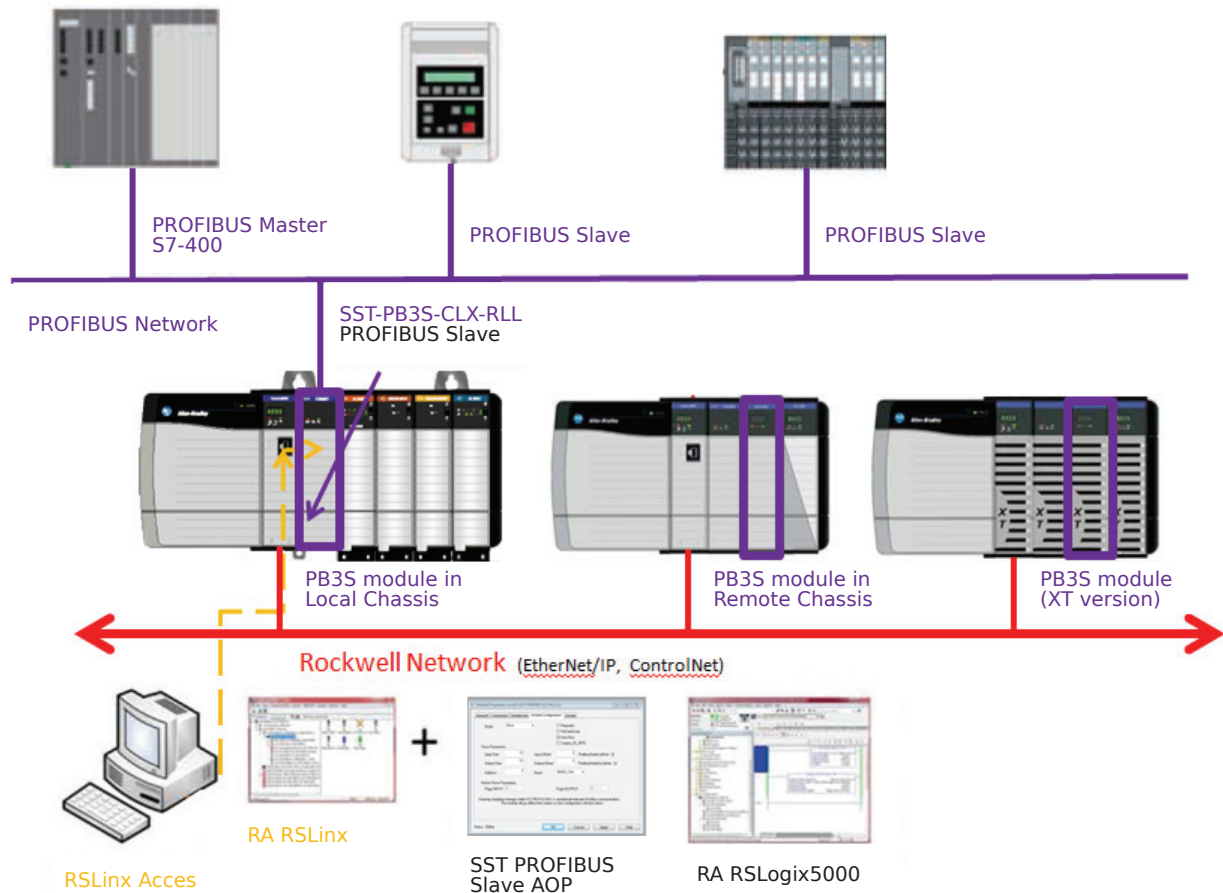No additional software required for configuration
Firmware upgradeable

Communication Module
112016-0025 (SST-PB3S-CLX-RLL)

CLXT Communication Module
112016-0027 (SST-PB3S-CLXT-RLL)

Applications

Automotive assembly lines

Material handling

Water and wastewater

Agro food industry

Oil and Gas

Pharmaceutical

Machine builders

Marine

Mining

Wastewater Treatment

Oil and Gas

Typical System Architecture

PROFIBUS Master S7-400

PROFIBUS Slave

PROFIBUS Slave

PROFIBUS Network

SST-PB3S-CLX-RLL PROFIBUS Slave

PB3S module in Local Chassis

PB3S module in Remote Chassis

PB3S module (XT version)

Rockwell Network (EtherNet/IP, ControlNet)

RSLinx Acces

RA RSLinx

SST PROFIBUS Slave AOP

RA RSLogix5000

Ordering Information

Order No.	Engineering No.	Communication Protocol	PLC Supported	Product Attributes
112016-0025	SST-PB3S-CLX-RLL	PROFIBUS Slave	Rockwell ControlLogix	Remote Link Library (RLL) feature
112016-0026	SST-PB3S-CLX-RLL-C			Remote Link Library (RLL) feature Conformal Coated
112016-0027	SST-PB3S-CLXT-RLL		Rockwell ControlLogix XT	Remote Link Library (RLL) feature Conformal Coated CLXT module components

www.molex.com/link/sstcommunicationmodules.html