cULus Class 1, Division 2, Groups A, B, C, and D Hazardous Locations.

CE

ROCKWELL AUTOMATION
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Siemens SEABus Plus Master Communication Module
3100-SEA

The 3100-SEA (PLC) module is a single slot solution for the Rockwell Automation 1771 platforms. The module's capabilities are enabled and controlled with ladder logic and data table initialization.

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DISCONTINUED
Siemens SEABus Plus Master Communication Module

3100-SEA

Features and Benefits

The Siemens SEABus Plus Master Module allows the user to easily configure one or both ports to collect data from Siemens 4300, 4700 and Static Trip III devices. By providing configurable access to both ports, this product is able to communicate directly with multiple Siemens Power Meter devices.

ProSoft's ladder-programming package allows for simple module setup and operating control.

Hands-Off Operation

After the SEA module has been setup for operation, the module provides transparent control and monitoring capabilities. The SEA module, integrated directly into the PLC/SLC rack, forms a tightly integrated and practical solution. After configuration, the module will perform all protocol related functions on a stand-alone basis.

Functional Specifications

- Siemens SEABUS Plus Master protocol
- Full Multi-drop support with up to 32 slave devices per port
- Supports RS-485 interface directly to Multi-drop link of Siemens meters
- Slave polling controlled by user configuration of slave poll list
- Data objects for each of the device types are pre-defined, making implementation very easy
- Configuration via simple ladder logic
- Simple configuration of slave types:

Type	Description
1	4700 Meter Long data read
2	4700 Meter Short data read
3	4300 Meter
4	Static Trip III Short data read
5	Static Trip III Long data read

- Communication parameters:

Parameter	Value
Parity:	None, odd, even
Stop Bit:	1 or 2
Baud rate:	300 to 38.4K
RTS Delays:	1 ms resolution on and off

Hardware Specifications

Specification	Description
Backplane current load	3100 module for PLC 0.65 A
Operating temperature	0 to 60°C (32 to 140°F)
Storage temperature	–40 to 85°C (–40 to 185°F)
Relative humidity	5 to 95% (non-condensing)
LED Indicators	Module status
	Backplane transfer status
	Serial port TX/RX activity LED
	Serial port error LED status
Application serial ports	DB-25F3100 module
	RS-232/422/485 jumper selectable
	RS-422/485 screw termination included (two per module)
	RS-232 hardware handshaking (RTS/CTS, DTR)
	500V optical isolation from backplane

Additional Products

ProSoft Technology offers a full complement of hardware and software solutions for a wide variety of industrial communication platforms.

Visit our web site at http://www.prosoft-technology.com for a complete list of products.