



Siemens SEABus Plus Master Communication Module 3150-SEA

The 3150 SEABUS module can be found in the power industry in the following applications:

- Power meters
- Power protection
- Lightning control systems

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DISCONTINUED Siemens SEABus Plus Master Communication Module

3150-SEA

The 3150 SEA module is a single slot solution for the Rockwell Automation 1746 platforms. By providing configurable access to both ports, this product is able to communicate directly with multiple Siemens power meter devices.

Features and Benefits

All module setup and operating control is performed over the backplane through simple ladder logic and data table configuration. The only software necessary is a standard ladder-programming package.

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 SLC rack, forms a tightly integrated and practical solution. After configuration, the module will perform all protocol related functions on a stand-alone basis.

The ProSoft module installs in any slot in a local or a remote rack.

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
- 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	3150 module for SLC 5V @ 0.15 A, 24 V @ 0.040 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% (w/o condensation)
LED indicators	Module Status, Backplane transfer status, Serial port TX/RX activity LED, Serial port error LED status
Application Serial ports	DB-9M 3150 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.

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