GE Fanuc IC695PBS301

Rx3i PacSystem

RX3i Profibus Slave module supports V1 functionality. IC695P IC695PB IC695PBS

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Profibus Slave Module, IC695PBS301

The IC695PBS301 provides slave communications on a PROFIBUS DP network. The slave module automatically exchanges data with a master device. The slave module has no bus access rights. It can only acknowledge received messages or transmit messages to a master upon request.

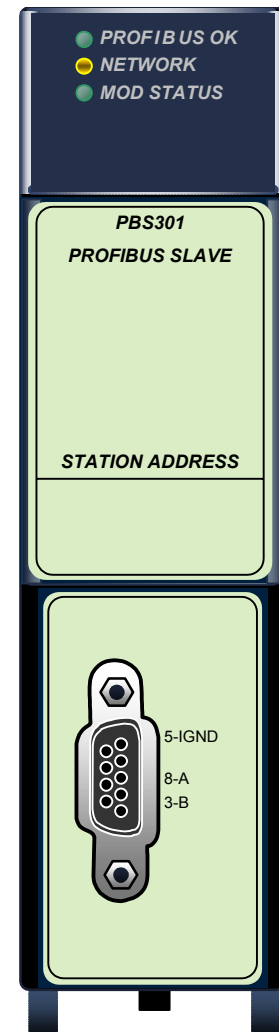The PROFIBUS Slave module provides the following PROFIBUS communications features:

- Ability to read up to 244 bytes of input data from the network, and send up to 244 bytes of output data

- Support for all standard PROFIBUS data rates

- Support for DP-V1 Read, Write and Alarm messages

- PROFIBUS-compliant module and network status LEDs

Compatibility

The PROFIBUS Slave module requires an RX3i CPU with firmware version 3.0 or later. This module must be located in an RX3i Universal Backplane.

The Slave module requires Machine Edition Logic Developer-PLC, version 5.0 Service Pack 3 or later for configuration.

The PROFIBUS module receives its firmware upgrades indirectly from the host controller CPU using the WinLoader software utility. WinLoader is supplied with any updates to the PROFIBUS module software.

<table>
<tr><td>● PROFIBUS OK</td></tr>
<tr><td>● NETWORK</td></tr>
<tr><td>● MOD STATUS</td></tr>
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PBS301
PROFIBUS SLAVE

STATION ADDRESS

5-IGND
8-A
3-B

Specifications: IC695PBS301

Backplane current consumption	440mA @ 3.3VDC
Data rates	Supports all standard data rates (9.6 KBit/s, 19.2 KBit/s, 93.75 KBit/s, 187.5 KBit/s, 500 KBit/s, 1.5 MBit/s, 3 MBit/s, 6 MBit/s and 12 MBit/s)
Status information available	Slave Status Word

For product standards and general specifications, refer to Appendix A

Profibus Slave Module Controls and Indicators

Network Connector

The PROFIBUS Slave module has a 9-pin sub-D connector for attaching the bus cable. For pin assignments, segment length, cable type and termination requirements, refer to the *RX3i PACSystems PROFIBUS Modules User's Manual,* GFK-2301.

LEDs

The PROFIBUS Slave module provides three PROFIBUS-compliant LEDs that indicate module and network status.

▪ The green Profibus OK LED indicates the presence of power, and completion of backplane reset.

▪ The bicolor Network LED is yellow when the module is able to transmit PROFIBUS telegrams. It is red if a critical communications problem has occurred.

▪ The bi-color Mod Status LED indicates module status. When this LED is steadily green, the module is configured and has established a connection with the network master. If it is flashing green, the module may be waiting for a configuration or may have a firmware problem. If it is flashing yellow, the module is in boot loader mode, downloading firmware, or has a non-recoverable error. The rate of LED flashing provides additional status information as described in the *RX3i Profibus Modules User's Manual.*