



DATASHEET

ILX56-PBS PROFIBUS DPV1 Slave for ControlLogix®

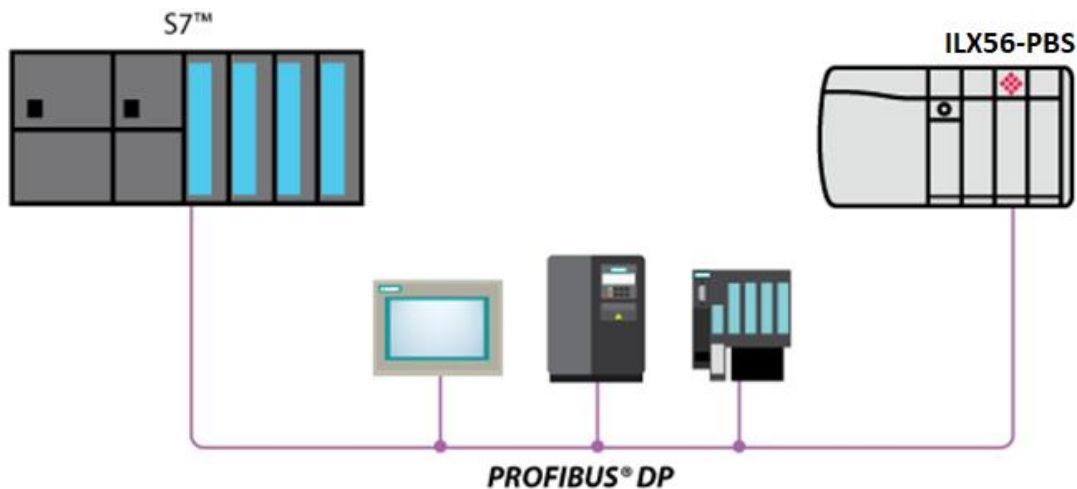
ProSoft Technology®

The ILX56-PBS PROFIBUS DPV1 Multi-Slave module allows Rockwell Automation® ControlLogix® processors to communicate on a PROFIBUS DP protocol network by emulating up to 10 individual slave devices.

This multi-slave support of the module provides the ability to pass up to 2440 bytes of input and output data as high-speed cyclic I/O data on a PROFIBUS DP network.

Combined with the use of multiple I/O connections back to the ControlLogix processor, this module provides data update rates that will meet even the most demanding of PROFIBUS DP applications.

In addition, with the use of the PLX50 Configuration Utility you have advanced features such as custom-built Add-On Routines and a PROFIBUS DP packet capture utility to minimize the amount of time and effort in getting a ControlLogix PAC operating on a PROFIBUS DP network.



Features

- ◆ Rockwell Automation Encompass™-Approved Solution
- ◆ Remote diagnostics via configuration utility with built-in PROFIBUS DP packet capture utility
- ◆ Multi-slave mode allows module to emulate up to 10 individual slaves for transfer of up to 2440 bytes of cyclic I/O data
- ◆ Supports DPV1 Acyclic Messaging
- ◆ Add-On Profile and custom Add-On Routines provided to allow for seamless integration to Studio 5000
- ◆ Can emulate the PROFIBUS DP Identification number of the ProSoft MVI56-PDPS module to allow replacement of legacy modules without having to reprogram the PROFIBUS DP master device (Note: Requires ladder logic changes).
- ◆ Video setup tutorial provided on www.prosoft-technology.com

PROFIBUS DP Slave Specifications

| Specification | Description |
|----------------------|---|
| Multi-Slave Support | Emulate up to 10 individual slaves |
| Input/Output | Maximum 244 Bytes per slave |
| Input Data | Maximum of 2440 bytes (244 per slave) |
| Acyclic Data | DPV1 |
| Status Data | 88 Bytes |
| Output Data | Maximum 2440 Bytes (244 per slave) |
| DPV1 Services | Class 1 Read/Write, Class 1 Alarm |
| Services | Global-Control, Slave-Diagnostic, Set-Parameter |
| Sync, Freeze Command | Supported |
| Baud rate | 9.6 kBaud, 19.2 kBaud, 45.45 kBaud, 93.75 kBaud, 187.5 kBaud, 500 kBaud 1.5 MBaud, 3 MBaud, 6 MBaud, 12 MBaud Auto-detection mode is supported |

Hardware Specification

| Specification | Description |
|-----------------------------|--|
| PROFIBUS Interface | RS-485, max. 12 Mbps, potential free, according EN 50170 |
| Power Supply | 450 mA @ 5 Vdc 2 mA @ 24 Vdc |
| Dimensions | Standard 1756 Single-slot module |
| Burst | EN 61000-4-4, 2 kV, 5 kHz |
| Surge | EN 61000-4-5, 2 kV common mode, 1 kV differential mode |
| ESD | EN 61000-4-2, 4 kV contact, 8 kV air, 4 kV indirect |
| Radiated/Conducted Immunity | EN 61000-4-3, 10 V/m, 30 to 1000 MHz, 80% AM, 1 kHz sine wave EN 61000-4-6, 10 V, 0,15 to 80 MHz |
| Radiated/Conducted Emission | EN 55011 Class A |
| Vibration/Shock (operating) | IEC 600068-2-6, 10 to 500 Hz, $\pm 0,75$ mm, ± 2 g, 1 Octave/min IEC 600068-2-27, 30 g, 11 ms |
| Operating Temperature | 0°C to 60°C (32°C to 140°F) |
| Relative Humidity | 5 to 95% (non-condensing) |

Agency Approvals & Certifications

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Ordering Information

To order this product, please use the following:

PROFIBUS Slave Network Interface Module for ControlLogix

ILX56-PBS

To place an order, please contact your local ProSoft Technology distributor. For a list of ProSoft Technology distributors near you, go to: www.prosoft-technology.com and select *Where to Buy* from the menu.

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