

DL05/06 Profibus Slave Comm. Module

Profibus Slave Communications Module

H0-PSCM <--->



Overview

You can now add a DL05/06 PLC I/O sub-system to a Profibus controller network. The H0-PSCM module allows the DL05/06 I/O sub-system to be linked with a Profibus master controller. Profibus is a control bus that provides a common method to connect automation equipment with devices on a single network and significantly reduces hardwiring costs. Profibus provides specifications for information exchanged between nodes, such as controller data associated with low level devices and configuration parameters that are individually related to system operations.

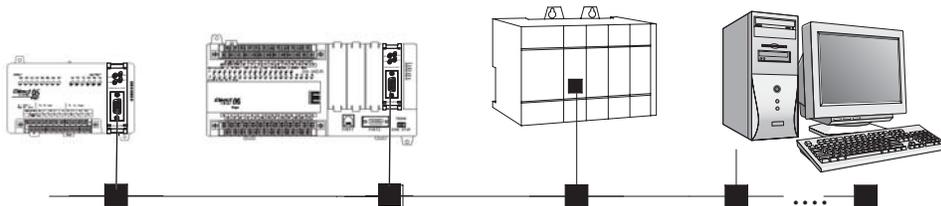
How it works

The H0-PSCM module is a Profibus slave device which can be inserted into the option slot of a DL05 or a DL06 PLC. The H0-PSCM module is used to transfer blocks of data between a Profibus master and a DL05/06 PLC. The user can choose up to four blocks of data to be transferred. The data blocks can range in size from 1 byte to 32 words and can be either input or output data. The data blocks can be mapped to real I/O within the PLC or user data areas of memory. The H0-PSCM module uses 'config' and 'parm' data, configured by the user with a program such as COM Profibus, to determine what data types and addresses are to be transferred onto the Profibus network. Once configured, the H0-PSCM will continually transfer the data to/from the PLC.

Specifications	
Module Location	PLC option slot
Module Type	Interface device
Maximum Expansion	126 stations, 32 stations per segment, 9 repeaters in a row
Communications	RS-485 Profibus, Profibus-DP Baud rate selectable from 9.6Kbaud to 12M baud.
Module Connectors	Profibus 9-pin D-shell, RJ-12 serial (firmware update only)
Internal Power Consumption	530mA maximum at 5VDC (supplied by PLC power supply)
Operating Environment	0°C to 60°C (32°F to 140°F), 5% to 95% humidity (non-condensing)
Manufacturer	Host Automation Products, LLC

CPU	Firmware Required	DirectSOFT Required
DL05	Version 4.60 or later	Version 3.0c or later
DL06	Version 1.40 or later	Version 4.0, Build 16 or later

Connect our DL05 or DL06 I/O...



... to your PLC or PC based Profibus Master.

HX-PSCM-M, the H0-PSCM Profibus Slave Communications Module User Manual contains information pertaining to the I/O modules, power budgeting, installation and wiring.

DL05/06 Profibus Slave Comm. Module

PLC Overview

DL05/06 PLC

DL105 PLC

DL205 PLC

DL305 PLC

DL405 PLC

Field I/O

Software

C-more HMI's

Other HMI

AC Drives

Motors

Steppers/Servos

Motor Controls

Proximity Sensors

Photo Sensors

Limit Switches

Encoders

Pushbuttons/Lights

Process

Relays/Timers

Comm.

TB's & Wiring

Power

Enclosures

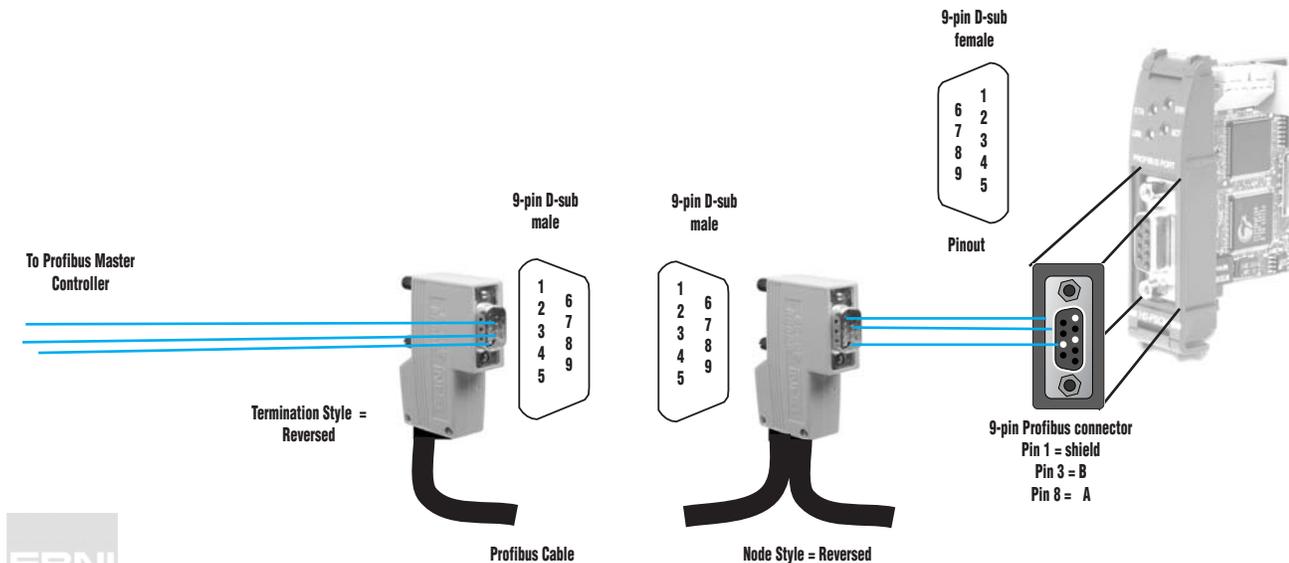
Appendix

Part Index

Baud	Max. Segment Length		Max. Expansion	
	Feet	Meters	Feet	Meters
9.6 Kbps	3278	1000	32786	10000
19.2 Kbps	3278	1000	32786	10000
93.75 Kbps	3278	1000	32786	10000
187.5 Kbps	3278	1000	32786	10000
500 Kbps	1311	400	13114	4000
1.5 Mbps	655	200	6557	2000
3 Mbps	327	100	3270	1000
6 Mbps	327	100	3270	1000
12 Mbps	327	100	3270	1000

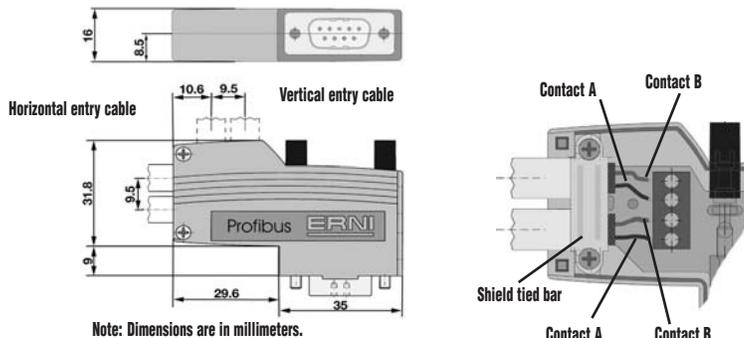
DL05/06 Style of I/O Modules Supported	
Discrete Types	Analog Types
10-point Input	4-channel Input
16-point Input	2-channel In/ 2-channel Output
8-point Output	4-channel In/ 2-channel Output
10-point Output	
16-point Output	
4-point Input/3 point Output	
4-point Input/4 point Output	

Recommended Cables	
Siemens	6XV1 830 0AH10
Belden	3079A



ERNI ERbic connectors for Profibus networks

ERNI ERbic connectors are available for the Profibus Slave Communications Module. They are available in node and termination reversed styles for the H0-PSCM and PC connections, horizontal or vertical cable entry, and termination or daisy-chain configurations.



ERNI ERbic connectors		
Part No.	Description	Device
103658	Profibus-certified reverse node horizontal connector. 9-pin Male D-Sub	H2-PBC or any Profibus ISA/PCI Personal Computer Master/Slave Card
103659	Profibus-certified reversed termination horizontal connector. 9-pin Male D-Sub	H2-PBC or any Profibus ISA/PCI Personal Computer Master/Slave Card