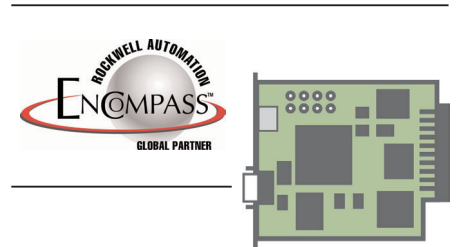
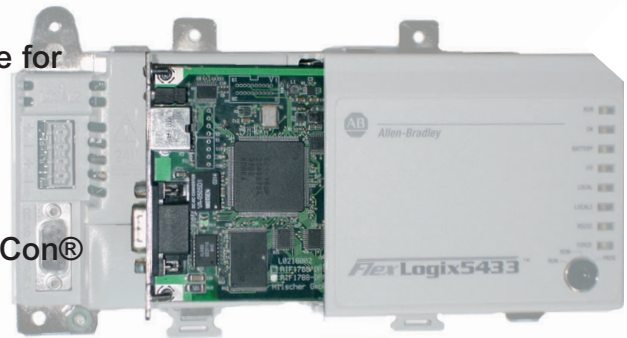


RIF 1788 – PROFIBUS Interface for FlexLogix™ / DriveLogix™



Proven PROFIBUS Technology for FlexLogix/DriveLogix

- PROFIBUS Certified Interface for FlexLogix/DriveLogix from Rockwell Automation®
- Master or Slave Modules
- Simple configuration with SyCon®
- RSLogix™ Sample Files



PROFIBUS Interface

The RIF 1788 module expands the functionality of Rockwell Automation's FlexLogix/DriveLogix family of processors to include PROFIBUS. These modules are suited to interface with IO devices, drives, control systems and other PROFIBUS devices.

These modules are based on the same technology that is used in our PC Cards and embedded modules. With these RIF interfaces you obtain proven technology.

Hilscher is an active participant on the Rockwell Automation Encompass Program and has developed the RIF 1788 PROFIBUS modules with Licenses and Technology from Rockwell Automation.

RIF 1788 – Technical Information

Information

RIF Interfaces are available as the following models:

RIF 1788-DPM	PROFIBUS-DP Master
RIF 1788-DPS	PROFIBUS-DP Slave

Each module is equipped with LEDs to display communication and device status.

The master interface possesses an diagnostic interface, the slave has rotary switches for setting of the bus address.

The RIF interface appears to the Logix Controller as a standard I/O module and can be configured with RSLogix5000 by Rockwell Automation. Complete program examples for simple and quick start-up are available.

Configuration

The GSD file supplied is sufficient to integrate the RIF 1788-DPS as PROFIBUS-DP Slave into the configuration of any PROFIBUS Master.

The PROFIBUS address is set by rotary switches. The configuration can be either transferred from the PROFIBUS Master to the RIF 1788-DPS or can be defined in from the Logix application.

The Configuration for the RIF 1788-DPM is done with our configuration tool SyCon.

The configuration is transferred via the serial diagnostic interface and stored in the FLASH memory of the RIF cards.

Product Overview

RIF	Fieldbus
RIF 1788-DPM	PROFIBUS-DP Master
RIF 1788-DPS	PROFIBUS-DP Slave

Technical Data

RIF 1788-DPM PROFIBUS-DP Master

Slaves	max. 125
Input data	max. 496 Byte
Output data	max. 492 Byte
Connections	max. 32 DPV1 Slaves
Acyclic data	DPV1 Read/Write

RIF 1788-DPS PROFIBUS-DP Slave

Input data	max. 244 Byte
Output data	max. 244 Byte

Processor

EC1-160P, 16 Bit

Memory

DPM/FLASH/RAM 8 KByte/512 KByte/256 KByte

PROFIBUS Interface EN 50 170

Controller	ASPC2 integrated in EC1-160P
Transmission rate	9,6 kBit/s to 12 MBit/s
Interface	RS485 isolated
Connector	DSub-female connector 9-pin

Diagnostic Interface (RIF 1788-DPM only)

Interface	RS232C, 9600 Baud, non-isolated
Connector	PS/2 Mini-DIN connector

Display

LED SYS, COM

Operation elements (RIF 1788-DPS only)

Rotary switches for PROFIBUS station address

Configuration

RIF 1788-DPM	SyCon
RIF 1788-DPS	by Master or Logix application

Operating Voltage

5 V ± 5% / 400 mA

Operating Temperature

0...+55°C

Dimension (L x W x H)

87 x 19 x 102 mm

Weight

approx. 62 g

CE Sign

Emission	EN 50011 CL.B
Immunity	EN 61000-6-2

PROFIBUS

certified

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