

RIF

Rockwell Interface for FlexLogix/DriveLogix



- **Certified PROFIBUS Interface for FlexLogix from Rockwell Automation**
- **Master or Slave Interface**
- **Simple configuration with SyCon software**
- **Program examples**
- **Bullet proof technology**



■ **Hilscher PROFIBUS Interface**

The Hilscher RIF PROFIBUS Interface is based on our company technology of the successful COM and CIF series of fieldbus interfaces. With the RIF interface you will obtain tested and trusted technology.

The RIF interface board extends the successful Rockwell Automation FlexLogix product family with an interface for the PROFIBUS. The interface is suitable for use in controls, I/O modules and drive technology.

Depending on requirements, either a PROFIBUS Master or Slave is available.





Information

RIF Interfaces are available as the following models

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

Every interface card is equipped with LEDs for controlling the communication and configuration conditions. The master interface possesses an additional diagnostic interface, but the Slave has a rotating switch for setting the addresses. The RIF interface behaves towards the application program in the Rockwell controller as an I/O module and can be configured correspondingly with the RSLogix5000 program from Rockwell Automation. Completed program examples for simple and quick start-up are available for the user.

Configuration

The configuration of the PROFIBUS-DP is carried out with the SYCON configuration program, the unified configuration program for all our communication solutions. SYCON works with a graphic editor and additionally offers comprehensive diagnostic possibilities.

The GSD file supplied is sufficient to integrate a Rockwell FlexLogix with RIF 1788-DPS as PROFIBUS-DP Slave.

For a PROFIBUS-DP Master configuration that is based on the RIF 1788-DPM, a configuration is created with the SYCON and stored in a FLASH memory. The transfer is done via the diagnostic interface.

Product overview

RIF	Fieldbus	Interface
RIF 1788-DPM	PROFIBUS-Master	RS485
RIF 1788-DPS	PROFIBUS-Slave	RS485

Technical Data

RIF 1788-DPM PROFIBUS-DP Master

max. 125 Slaves	
Input data:	500 Byte
Output data:	500 Byte

RIF 1788-DPS PROFIBUS-DP Slave

Input data:	244 Byte
Output data:	244 Byte

Processor

16 Bit with Interrupt- and DMA-controller

Memory

8 KB DPM, 512 KB Flash, 256 KB RAM

ASIC

Master	EC1-160P
Slave	EC1-160P

PROFIBUS Interface

RS485, max 12MBaud, potentialfree, EN 50170

Diagnostic Interface

PS/2 Mini-DIN socket, 9600 Baud, potential bound

Operating voltage

+5V ± 5% / 400mA

Operating temperature

0...+55°C

Dimension (L x W x H)

87 x 19 x 102mm

Weight

62g

CE

Emission	EN 55011 KL. B
Immunity	EN 61000-6-2

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