FC3121 | Infrastructure, 1-channel fieldbus card, PROFIBUS, master/slave, PCI express, D-sub



Product status: Regular delivery

PROFIBUS DP and DP-V1: the PROFIBUS PCIe (PCI Express) Fieldbus Cards from Beckhoff can master the following PROFIBUS features:

- master, slave and PROFIBUS monitor up to 12 Mbit/s
- powerful parameter and diagnostics interfaces
- the error management for each bus user is freely configurable
- it is possible to read the bus configuration and automatically assign the “GSE” files

In TwinCAT, all functions are conveniently available. Other applications also benefit from the diverse features: general drivers for different Windows versions and convenient configuration tools are included in the TwinCAT I/O software package. High-level language programs use the DLL, Visual Basic applications the ActiveX interface. Applications with OPC interface can access process data and parameters via an OPC server.

Product information

Technical Data

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Fieldbus	PROFIBUS DP (standard), PROFIBUS DP-V1
PC interface	PCI Express
Number of fieldbus channels	1
Data transfer rates	9.6 kbaud...12 Mbaud

Bus interface	1 x D-sub socket, 9-pin, galvanically decoupled
Hardware diagnosis	2 LEDs per channel
Bit width in the process image	total max.: 30.5 kbyte input and output data
NOVRAM	–
Dimensions	approx. 100 mm x 130 mm
Operating temperature	0...+55 °C
Driver	TwinCAT 2.11 R3 and higher