

Termination board - IBS PCI SC/RI-LK - 2730187

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Termination board - system coupler with FO connection

Product Description

INTERBUS system coupler for PCs with PCI bus

System couplers integrate master and slave functions in one controller board at reduced space and low cost.

They can be used wherever the PC takes over control functions in a lower-level INTERBUS system and at the same time requires a non-interacting link to a higher-level INTERBUS system.

A typical example is the internal control of a robot with a PC and the simultaneous link to the system network.

The software interfaces to the application program are compatible with the INTERBUS Generation 4 PC controller boards, such as the IBS PCI SC/I-T.

As with all Generation 4 boards, configuration, parameterization and diagnostics are supported by the INTERBUS CMD software.

The system coupler allows for the connection of an external 24 V DC power supply to ensure uninterrupted operation of the higher-level INTERBUS system.

Why buy this product

- External 24 V DC power supply
- Direct integration into OPC-based visualization systems via OPC server
- Installation of several cards in a PC with monitoring of multiple INTERBUS lines
- Parameterization and diagnostics with Diag+
- Compatible driver
- Access to INTERBUS system data and controller data via visualization stations
- INTERBUS parameter channel (PCP) supported
- Access to high-level language applications via HFI



Key Commercial Data

Packing unit	1 STK
Weight per Piece (excluding packing)	360.000 g
Custom tariff number	84733020
Country of origin	Germany

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Technical data

Note

Utilization restriction	EMC: class A product, see manufacturer's declaration in the download area
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Ambient conditions

Degree of protection	IP00
Ambient temperature (operation)	0 °C ... 55 °C (acc. to EN 60204-1)
Ambient temperature (storage/transport)	-25 °C ... 75 °C (acc. to EN 60204-1)
Permissible humidity (operation)	75 % (on average, 85% infrequently, non-condensing)
Air pressure (operation)	860 hPa ... 1080 hPa (up to 2000 m above mean sea level)
Air pressure (storage/transport)	660 hPa ... 1080 hPa (up to 3000 m above sea level)

Control system

Control system	PCI bus
Diagnostics tool	DIAG+ from version 1.14
Configuration tool	CMD from version 4.5x
Operating system	Windows NT
	Windows 2000
	Windows XP
	Windows 7
	Venturcom RTX 5.x
	Further types on request

Software interfaces

Driver	Windows NT
	Windows 2000
	Windows XP
	Windows 7
	Venturcom RTX 5.x
	Further types on request
Application interface	HLI
	OPC
	DDI

Software requirements

Configuration tool	CMD from version 4.5x
	Config+ from version 1.00 onwards
Diagnostics tool	DIAG+ from version 1.14

Power supply

Power supply connection	Via PCI bus (master) and 2-pos. MINI COMBICON (slave part)
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Power supply

Typical current consumption	0.8 A
Supply voltage	5 V DC
	24 V DC (external, environment class 1)
Supply voltage range	18.5 V DC ... 30.2 V DC (including ripple (0.5 Vpp))
Power dissipation	max. 4 W

General

Weight	280 g
Format	176 x 107 mm (IBS PCI SC/RI/LK: 168 x 107 mm)

Data interfaces

Interface	INTERBUS (Master)
Connection method	F-SMA connector
Interface	INTERBUS remote bus, incoming
Connection method	F-SMA connector
Interface	INTERBUS remote bus, outgoing
Connection method	F-SMA connector
Interface	Parameterization/operation/diagnostics
Connection method	RS-232-C, Mini-DIN female
Interface	Host system
Connection method	IBM-compatible PCI slot in acc. with PCI specification 2.1 or higher, PCI bus, 32 bit, 33 MHz, 5 V
Interrupts	1 IRQ, PnP

Fieldbus function

Amount of process data	max. 8192 Bit (INTERBUS-Master)
	256 Bit (INTERBUS-Slave)
Number of supported devices	max. 512 (in total, of which 254 are remote bus devices/bus segments)
Number of devices with parameter channel	max. 126

Environmental Product Compliance

China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Classifications

eCl@ss

eCl@ss 4.0	27240603
eCl@ss 4.1	27240603

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Classifications

eCl@ss

eCl@ss 5.0	27242208
eCl@ss 5.1	27242208
eCl@ss 6.0	27242208
eCl@ss 7.0	27242208
eCl@ss 8.0	27242207
eCl@ss 9.0	27242207

ETIM

ETIM 2.0	EC001425
ETIM 3.0	EC001425
ETIM 4.0	EC000236
ETIM 5.0	EC000236
ETIM 6.0	EC000236

UNSPSC

UNSPSC 6.01	43172015
UNSPSC 7.0901	43201404
UNSPSC 11	43172015
UNSPSC 12.01	43201404
UNSPSC 13.2	39122114

Accessories

Accessories

Configuration and diagnostics

Software - IBS CMD SWT G4 E - 2721442



Network configuration software for INTERBUS Generation 4

Software - IBS CMD SWT G4 - 2721439



Network configuration software for INTERBUS Generation 4

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Accessories

Software - DIAG+ - 2730307



Diag+, diagnostics software, for INTERBUS networks, area of application: Startup, maintenance and, for example, for integration in control desk software, can be integrated in 32 bit applications (ActiveX-capable)

Software - CONFIG+ OEM - 2700779



Config+ project license, for configuration and diagnostics of an INTERBUS system. Please enter the project number in the configuration field or get in touch with your contact person in our sales organization.

Software - CONFIG+ DEMO - 2868046



Config+ demo version with restricted range of function (it is not possible to save projects)

Software - CONFIG+ - 2868059



Config+ full version for configuration and diagnostics of an INTERBUS system

Software - CONFIG+ CPY - 2868062



The Config+ copy license enables the installation and parallel use of the Config+ software on multiple workstations. A single-user full license is also required. It is a workstation license

Device parameterization

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Accessories

Software - AX+ BASIC - 2985068



Software CD for FDT container for integrating device DTMs (free download)

Software - AX DTM LIB - 2988065



DTM library

Programming

Software - IBS OPC SERVER - 2729127



INTERBUS OPC server, communication interface between distributed INTERBUS and Ethernet networks and visualizations.

Programming cable

Connecting cable - COM CAB MINI DIN - 2400127



Connecting cable, for connecting the controller to a PC (RS-232) for PC WORX with flow control, 3 m in length

Software - IBS PCI DDK - 2730271



Device driver development kit, for the development of device drivers for individual operating system (German, English)

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Accessories

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