

IBS PCI SC/RI-LK - Termination board



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.

Your advantages

- 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

Commercial data

Item number	2730187
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	DR14
Product key	DREABA
GTIN	4017918193393
Weight per piece (including packing)	363.2 g
Weight per piece (excluding packing)	256.96 g
Customs tariff number	84733020
Country of origin	DE

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Technical data

Product properties

Product type	PC controller board
Type	PC card

System properties

Control system	PCI bus
Operating system	Windows NT
	Windows 2000
	Windows XP
	Windows 7 (64 bit)
	Venturcom RTX 5.x
	Further types on request

Addressable areas

I/O	16 bytes, PnP
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INTERBUS-Master

Amount of process data	max. 8192 bit (INTERBUS-Master)
	256 bit (INTERBUS-Slave)
Number of devices with parameter channel	max. 126

Local diagnostics

Designation	SC, HF, PF, BSA, FAIL
Monitored function	INTERBUS
Optical representation	LED displays on the module

Functionality

Control system	PCI bus
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System requirements

Configuration tool	CMD from version 4.5x
	Config+ from version 1.00 onwards
Diagnostics tool	DIAG+ from version 1.14
Application interface	HLI
	OPC
	DDI
Driver	Windows NT
	Windows 2000
	Windows XP
	Windows 7 (64 bit)
	Venturcom RTX 5.x
	Further types on request

Electrical properties

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Power consumption	4.1 W
Local diagnostics	SC, HF, PF, BSA, FAIL INTERBUS LED displays on the module
Protective circuit	Reverse polarity protection; Fuse
Transmission medium	FO
Maximum power dissipation for nominal condition	max. 4 W

Supply

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 supply connection	Via PCI bus (master) and 2-pos. MINI COMBICON (slave part)
Typical current consumption	0.8 A

Interfaces

Interrupts	1 IRQ, PnP
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INTERBUS (Master)

Connection method	F-SMA connector
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INTERBUS remote bus, incoming

Connection method	F-SMA connector
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INTERBUS remote bus, outgoing

Connection method	F-SMA connector
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Parameterization/operation/diagnostics

Connection method	RS-232-C, Mini-DIN female
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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
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Dimensions

Width	168 mm
Height	107 mm
Depth	20 mm

External dimensions

Width / Height / Depth	168 mm / 107 mm / 20 mm
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Environmental and real-life conditions

Ambient conditions

Degree of protection	IP20 (Must be installed in a device with IP20)
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 sea level)

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Air pressure (storage/transport)	660 hPa ... 1080 hPa (up to 3000 m above sea level)
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Mounting

Mounting type	In the host system
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Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	6(a), 6(a)-I, 6(c), 7(a), 7(c)-I

China RoHS

Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.

EU REACH SVHC

REACH candidate substance (CAS No.)	Hexahydromethylphthalic anhydride(CAS: n/a)
	Lead(CAS: 7439-92-1)

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