

# IBS PCI RI-LK - Termination board



2704045

<https://www.phoenixcontact.com/us/products/2704045>

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Termination board, with FO connection and external power supply



## Product description

The slave controller boards are intelligent PC boards that link the PC to any position in the INTERBUS system. This makes it possible to set up powerful visualization stations which allow access to data in the INTERBUS system and the controller close to the application. Several cards can be installed simultaneously in one PC so that it is possible to visualize or monitor several INTERBUS lines in one single PC. The number of data words that the slave controller boards occupy in the INTERBUS system can be set between one and eighteen. The interface cards provide a freely configurable fast I/O channel for time-critical data and also support the INTERBUS parameter channel (PCP). The parameter channel provides an optional access to larger data blocks.

## 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
- INTERBUS parameter channel (PCP) supported
- Access to INTERBUS system data and controller data via visualization stations
- Compatible driver
- Parameterization and diagnostics with Diag+

## Commercial data

Item number	2704045
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	DR14
Product key	DREABA
GTIN	4017918973902
Weight per piece (including packing)	202 g
Weight per piece (excluding packing)	202 g
Customs tariff number	84733020
Country of origin	DE

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## Technical data

### Notes

#### Utilization restriction

EMC note	EMC: class A product, see manufacturer's declaration in the download area
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### Product properties

Product type	PC controller board
Type	PC card
Format	Short plug-in card, 1-slot

### System properties

Control system	IBM-compatible PCs with PCI slot
Operating system	Windows NT
	Windows 2000
	Windows XP

#### INTERBUS-Master

Amount of process data	max. 8192 Byte (INTERBUS-Master)
	256 bit (INTERBUS-Slave)
Number of parameter data	4 Byte
Number of devices with parameter channel	max. 126

#### Function

Function block	Diagnostics
	IO exchange
	PCP
	NV-RAM
	directs I/Os

#### Functionality

Control system	IBM-compatible PCs with PCI slot
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#### System requirements

Configuration tool	Own configurator on CD
Application interface	DDI
	OPC-DA server
Driver	Windows NT
	Windows 2000
	Windows XP

### Electrical properties

Transmission medium	FO
Maximum power dissipation for nominal condition	max. 5 W

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## Supply

Supply voltage	3.3 V DC (internal)
	5 V DC (internal)
	24 V DC (external)
Supply voltage range	18 V DC ... 30 V DC
Power supply connection	Via PCI bus or 2-pos. MINI-COMBICON
Typical current consumption	1 A

## Input data

### Counter:

Number of inputs	0
Input frequency	0 kHz

## Output data

### Pulse direction

Number of pulse direction outputs	0
Limit frequency	0 kHz

## Interfaces

Interrupts	1 IRQ, PNP
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### INTERBUS remote bus, incoming

Connection method	FSMA plugs
Transmission speed	500 kbps / 2 Mbps (can be switched)

### INTERBUS remote bus, outgoing

Connection method	FSMA plugs
Transmission speed	500 kbps / 2 Mbps (can be switched)

### Host system

Connection method	PCI slot in acc. with PCI specification 2.1 or higher, PCI bus, 32 bits, 33 MHz, 3.3/5 V
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### External power supply

Connection method	2-pos. MINI-COMBICON male connector
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## Dimensions

Width	134 mm
Height	107 mm
Depth	20 mm

### External dimensions

Width / Height / Depth	134 mm / 107 mm / 20 mm (short plug-in card, 1 slot)
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## Environmental and real-life conditions

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## Ambient conditions

Degree of protection	IP20 (Must be installed in a device with IP20)
Ambient temperature (operation)	0 °C ... 55 °C
Ambient temperature (storage/transport)	-20 °C ... 70 °C
Permissible humidity (operation)	95 % (non-condensing)
Permissible humidity (storage/transport)	95 % (non-condensing)

## Mounting

Mounting type	In the host system
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## Environmental product compliance

### 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.)	No substance above 0.1 wt%
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Phoenix Contact USA  
586 Fulling Mill Road  
Middletown, PA 17057, United States  
(+717) 944-1300  
[info@phoenixcon.com](mailto:info@phoenixcon.com)