

# IBS PCI 104 SC-T - Termination board



2737494

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Termination board in PCI-104 format, connects an INTERBUS network to a control system with PCI-104 interface, without electrical isolation

## Product description

INTERBUS generation 4 controller board with a host interface for PCI 104 bus. Connection of simple sensors/actuators up to intelligent field devices via INTERBUS directly to a controller with a PCI 104 interface.

## Your advantages

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

## Commercial data

Item number	2737494
Packing unit	1 pc
Minimum order quantity	1 pc
Product key	DREABA
GTIN	4046356042857
Weight per piece (including packing)	117.3 g
Weight per piece (excluding packing)	83.93 g
Country of origin	DE

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## Technical data

### Product properties

Product type	PC controller board
Format	PCI-104

### System properties

Control system	IBM-compatible PCs with PCI-104 slot
Operating system	Windows NT
	Windows 2000
	Windows XP
	Venturcom RTX 5.x
	Further types on request

### INTERBUS-Master

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

### Local diagnostics

Designation	MREADY
Monitored function	INTERBUS operating status
Optical representation	Status display via LED

### Functionality

Control system	IBM-compatible PCs with PCI-104 slot
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### System requirements

Configuration tool	CMD from version 4.62
Diagnostics tool	DIAG+ from version 1.0x
Application interface	HFI
	OPC
	DDI
Driver	Windows NT
	Windows 2000
	Windows XP
	Venturcom RTX 5.x
	Further types on request

### Electrical properties

Local diagnostics	MREADY INTERBUS operating status Status display via LED
Transmission medium	Copper
Maximum power dissipation for nominal condition	max. 3.5 W

### Supply

Supply voltage	5 V DC
Supply voltage range	± 5 % (including ripple)

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Power supply connection	Via PCI-104 bus
Typical current consumption	0.7 A

## Interfaces

Interrupts	1 IRQ, PnP
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### INTERBUS remote bus

Bus system	RS-422
Number of interfaces	1
Connection method	10-pos. DIL pin strip
Transmission speed	500 kbps / 2 Mbps (can be switched)

### Parameterization/operation/diagnostics

Bus system	RS-232
Number of interfaces	1
Connection method	10-pos. DIL pin strip
Transmission speed	500 kbps / 2 Mbps 500 kbps 2 Mbps (can be switched)

### Host system

Connection method	PCI-104 bus, 32 bits, 33 MHz, 5 V
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## Dimensions

Width	90 mm
Height	96 mm

### External dimensions

Width / Height / Depth	90 mm / 96 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)
Shock	2g, criterion A acc. to IEC 60068-2-6
Air pressure (operation)	860 hPa ... 1080 hPa (up to 2000 m above sea level)
Air pressure (storage/transport)	660 hPa ... 1080 hPa (up to 3000 m above sea level)

## EMC data

Electromagnetic compatibility	Conformance with EMC Directive 2014/30/EU
Conformance with EMC directives	Immunity test in accordance with EN 61000-6-2/IEC 61000-6-2 Electrostatic discharge (ESD)EN 61000-4-2/IEC 61000-4-2 Criterion B, ±6 kV contact discharge, ±8 kV air discharge
	Immunity test in accordance with EN 61000-6-2/IEC 61000-6-2 Electromagnetic fieldsEN 61000-4-3/IEC 61000-4-3 Criterion A, Field intensity: 10 V/m

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	Immunity test in accordance with EN 61000-6-2/IEC 61000-6-2 Fast transients (burst)EN 61000-4-4/IEC 61000-4-4 Criterion B, Signal/data lines: 2 kV
	Immunity test in accordance with EN 61000-6-2/IEC 61000-6-2 Transient overvoltage (surge)EN 61000-4-5/IEC 61000-4-5 Criterion B, Signal/data lines: 1 kV
	Immunity test in accordance with EN 61000-6-2/IEC 61000-6-2 Conducted interferenceEN 61000-4-6/IEC 61000-4-6 Criterion A, Test voltage 10 V
	Noise emission test in accordance with EN 61000-6-4/IEC 61000-6-4 Class A

## Mounting

Mounting type	In the host system
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## Classifications

### UNSPSC

UNSPSC 21.0	32151700
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## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	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.)	Lead(CAS: 7439-92-1)
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