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

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

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

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)
Power supply connection	Via PCI-104 bus

Typical current consumption	0.7 A

Interfaces

Interrupts	1 IRQ, PnP

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 Mbps500 kbps 2 Mbps (can be switched)

Host system

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

Dimensions

Width	90 mm
Height	96 mm

External dimensions

Width / Height / Depth	90 mm / 96 mm /

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
	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

Classifications

ETIM

ETIM 8.0	EC001423

UNSPSC

UNSPSC 21.0	32151700

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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