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Termination board - IBS PCI 104 SC-T - 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

The controller board IBS PCI 104 SC-T connects an INTERBUS network to a control system with PCI-104 interface. PCI-104 is a worldwide standardized interface on many Embedded PC-based platforms. Drivers for many operating systems are available to enable access to data. Example programs for VisualC©/C++, VisualBasic© and Delphi demonstrate the easy access to the module. A Device Driver Development Kit (DDK) can be ordered for integration in other operating systems, on request. For the Windows-based operating systems, a simplified high-level languages interface HLI is available for download free of cost. If an OPC server is used as standardized interface, order the IBS OPC SERVER. The module can be fully parameterized via the driver interface. For application-independent quick booting, it is also possible to generate a startup sequence with IBS CMD SWT G4 and to store it as redundant in the parameter memory of the module. For parameterization, diagnosis and firmware update, there is also a serial interface. The controller board supports up to 8192 inputs and as many outputs. All functions of the generation 4 Firmware (interference-free disconnection of segments, INTERBUS with 2 Mbaud, optical diagnosis of regulated paths and much more) are designed to be compatible with the existing ISA, PC/104 and PCI INTERBUS controller boards. For connecting the snap-in connectors of the INTERBUS and the serial interface to the housing, a 30 cm cable set is available as an option.

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

Key Commercial Data

Packing unit	1 STK
GTIN	4 046356 042857

Technical data

Note

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Technical data

Note

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

Dimensions

Height	90 mm
Depth	90 mm

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)
Shock	2g, criterion A acc. to IEC 60068-2-6

Control system

Control system	IBM-compatible PCs with PCI-104 slot
Diagnostics tool	DIAG+ from version 1.0x
Configuration tool	CMD from version 4.62
Operating system	Windows NT
	Windows 2000
	Windows XP
	Venturcom RTX 5.x
	Further types on request

Software interfaces

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

Software requirements

Configuration tool	CMD from version 4.62
Diagnostics tool	DIAG+ from version 1.0x

Power supply

Power supply connection	Via PCI-104 bus
Typical current consumption	0.7 A
Supply voltage	5 V DC

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Technical data

Power supply

Supply voltage range	± 5 % (including ripple)
Power dissipation	max. 3.5 W

General

Weight	83.93 g
Format	PCI-104

Data interfaces

Interface	INTERBUS remote bus
Connection method	10-pos. DIL pin strip
Interface	Parameterization/operation/diagnostics
Connection method	RS-232-C, 10-pos. DIL male connector
Interface	Host system
Connection method	PCI-104 bus, 32 bits, 33 MHz, 5 V
Interrupts	1 IRQ, PnP

Fieldbus function

Amount of process data	max. 8192 Bit (INTERBUS)
Number of supported devices	max. 512 (of which 254 are remote bus devices/bus segments)
Number of devices with parameter channel	max. 126

Standards and Regulations

Shock	2g, criterion A acc. to IEC 60068-2-6
Connection in acc. with standard	CUL

Classifications

eCl@ss

eCl@ss 4.0	27240603
eCl@ss 4.1	27240603
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

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Classifications

UNSPSC

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

Approvals

Approvals

Approvals

UL Recognized / cUL Recognized / cULus Recognized

Ex Approvals

Approvals submitted

Approval details

UL Recognized

cUL Recognized

cULus Recognized

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