

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


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

- ✓ 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 pc
GTIN	 4 046356 042857
GTIN	4046356042857

Technical data

Note

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

Width	90 mm
Height	96 mm
Width	90 mm

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Technical data

Dimensions

Height	96 mm
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Ambient conditions

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

General

Weight	83.93 g
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Technical data

General

Format	PCI-104
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Data interfaces

Interface	INTERBUS remote bus
Number	1
Connection method	10-pos. DIL pin strip
Transmission speed	500 kbps / 2 Mbps (can be switched)
Interface	Parameterization/operation/diagnostics
Number	1
Connection method	10-pos. DIL pin strip
Transmission speed	500 kbps / 2 Mbps 500 kbps 2 Mbps (can be switched)
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

Electromagnetic compatibility	Conformance with EMC Directive 2014/30/EU
Interference emission	Noise emission test as per EN 61000-6-4 Class A
Immunity to surge	Noise immunity test in accordance with EN 61000-6-2 Transient overvoltage (surge) EN 61000-4-5/IEC 61000-4-5 Criterion B, Signal/data lines: 1 kV
Immunity to burst	Noise immunity test in accordance with EN 61000-6-2 Fast transients (burst) EN 61000-4-4/IEC 61000-4-4 Criterion B, Signal/data lines: 2 kV
Immunity to EF	Noise immunity test in accordance with EN 61000-6-2 Electromagnetic fields EN 61000-4-3/IEC 61000-4-3 Criterion A, Field intensity: 10 V/m
Immunity to ESD	Noise immunity test in accordance with EN 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 to conducted interference	Noise immunity test in accordance with EN 61000-6-2 Conducted interference EN 61000-4-6/IEC 61000-4-6 Criterion A, Test voltage 10 V
Connection in acc. with standard	CUL
Shock	2g, criterion A acc. to IEC 60068-2-6

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50 years
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

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Classifications

eCl@ss

eCl@ss 10.0.1	27242208
eCl@ss 4.0	27240600
eCl@ss 4.1	27240600
eCl@ss 5.0	27242700
eCl@ss 5.1	27242700
eCl@ss 6.0	27242200
eCl@ss 7.0	27242207
eCl@ss 8.0	27242208
eCl@ss 9.0	27242208

ETIM

ETIM 2.0	EC001425
ETIM 3.0	EC001425
ETIM 4.0	EC000236
ETIM 5.0	EC001423
ETIM 6.0	EC001423
ETIM 7.0	EC001423

UNSPSC

UNSPSC 6.01	43172015
UNSPSC 7.0901	43201404
UNSPSC 11	43172015
UNSPSC 12.01	43201404
UNSPSC 13.2	39122114
UNSPSC 18.0	39122114
UNSPSC 19.0	39122114
UNSPSC 20.0	39122114
UNSPSC 21.0	39122114

Approvals

Approvals

Approvals

UL Recognized / cUL Recognized / cULus Recognized

Ex Approvals

Approval details

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Approvals

UL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 140324
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cUL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 140324
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cULus Recognized			
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Accessories

Accessories

Configuration and diagnostics

Software - IBS CMD SWT G4 E - 2721442



Network configuration software for INTERBUS Generation 4

Software - IBS CMD SWT G4 - 2721439



Network configuration software for INTERBUS Generation 4

Software - DIAG+ - 2730307



Diag+, diagnostic software for INTERBUS and PROFINET networks, additional areas of application are, for example, commissioning and maintenance.

Diagnostics display

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Accessories

Diagnostics display - IBS USC/4 DIAG L - 2746388



Diagnostics display for Generation 4 INTERBUS master

Programming

Software - IBS OPC SERVER - 2729127



INTERBUS OPC server, communication interface between distributed INTERBUS and Ethernet networks and visualizations.

Programming cable

Cable set - IBS PC 104 SC CAB - 2724436

Cable set, for COM1, COM2, for PC controller board in PC/104 format



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