

Termination board - IBS PCI SC/I-T - 2725260

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PCI master controller board with electrical isolation

Your advantages

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



Key Commercial Data

Packing unit	1 pc
GTIN	 4 017918 185121
GTIN	4017918185121

Technical data

Note

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

Width	168 mm
Height	107 mm
Depth	20 mm
Width	168 mm
Height	107 mm
Depth	20 mm

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Technical data

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)

Control system

Control system	IBM-compatible PCs with PCI slot
Diagnostics tool	DIAG+ from version 1.0x
Configuration tool	CMD from version 4.5x
Operating system	Windows NT
	Windows 2000
	Windows XP
	Windows 7 (64 bit)
	Windows 8/10 (32 & 64 bit)
	Venturcom RTX 5.x
	Further types on request

Software interfaces

Driver	Windows NT
	Windows 2000
	Windows XP
	Windows 7 (64 bit)
	Windows 8/10 (32 & 64 bit)
	Venturcom RTX 5.x
	Further types on request
Application interface	HFI
	DDI

Software requirements

Configuration tool	CMD from version 4.5x
	Config+ from version 1.00 onwards
Diagnostics tool	DIAG+ from version 1.0x

Power supply

Power supply connection	Via PCI 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

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Technical data

General

Weight	126.1 g
Format	Short plug-in card, 1-slot

Data interfaces

Interface	INTERBUS remote bus
Connection method	9-pos. D-SUB female connector, with electrical isolation
Transmission speed	500 kbps
Interface	Parameterization/operation/diagnostics
Connection method	RS-232-C, Mini-DIN female
Transmission speed	500 kbps 500 kbps 2 Mbps
Interface	Host system
Connection method	PCI bus, 32 bit, 33 MHz, 5 V
Interface	Direct I/Os
Connection method	14-pos. FLK pin strip
Interrupts	1 IRQ, PnP

Direct I/Os

Input name	Digital inputs
Number of inputs	6 (EN 61131-2 type 1)
Connection technology	FLK cable connector (14-pos.)
Nominal input voltage U_{IN}	24 V DC
Output name	Digital outputs
Number of outputs	2
Connection technology	FLK cable connector (14-pos.)
Maximum output current per channel	0.5 A

Fieldbus function

Amount of process data	max. 8192 Bit (INTERBUS-Master)
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

Connection in acc. with standard	CUL
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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"

Classifications

eCl@ss

eCl@ss 10.0.1	27242208
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Classifications

eCl@ss

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	27242208
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 / EAC / 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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EAC		EAC-Zulassung
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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.

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Accessories

Software - CONFIG+ OEM - 2700779



Config+ project license, for configuration and diagnostics of an INTERBUS system. Please enter the project number in the configuration field or get in touch with your contact person in our sales organization.

Software - CONFIG+ DEMO - 2868046



Software - CONFIG+ - 2868059



Config+ full version for configuration and diagnostics of an INTERBUS system

Software - CONFIG+ CPY - 2868062



The Config+ copy license enables the installation and parallel use of the Config+ software on multiple workstations. A single-user full license is also required. It is a workstation license

Interface module

Interface module - UM 45-FLK14 - 2962557



VARIOFACE module, with screw connection and flat-ribbon cable connector, for assembly on NS 35/7.5, 14 positions

Programming

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Accessories

Software - IBS OPC SERVER - 2729127



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

Programming cable

Connecting cable - COM CAB MINI DIN - 2400127



Connecting cable, for connecting the controller to a PC (RS-232) for PC WORX with flow control, 3 m in length

System cable

Cable - FLK 14/EZ-DR/ 50/KONFEK - 2288901



Round cable set; connection 1: IDC/FLK socket strip (1x 14-position); connection 2: IDC/FLK socket strip (1x 14-position); cable length: 0.5 m

Software drivers - CD IBS PCI SC RTX - 2737423



Driver and documentation CD incl. Driver as RTDLL, coupling driver for parallel Windows access and HLI interface as RTDLL, incl. online documentation (as development licence)

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