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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

RoHS **INTERBUS**

Key Commercial Data

Packing unit	1 pc
GTIN	
GTIN	4017918185121
Weight per Piece (excluding packing)	126.100 g
Custom tariff number	84733020
Country of origin	Germany

Technical data

Note

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

Dimensions

Width	168 mm
Height	107 mm
Depth	20 mm

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

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

PHŒNIX CONTACT

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

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 kbps500 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

Environmental Product Compliance

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

Classifications

eCl@ss

eCl@ss 4.0	27240600

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

Classifications

eCl@ss

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

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

Approvals

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

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

| EAC | | | EAC-Zulassung |

| cULus Recognized | | | |

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.

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

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

Config+ demo version with restricted range of function (it is not possible to save projects)

Software - CONFIG+ - 2868059

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

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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

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Programming

Software - IBS OPC SERVER - 2729127

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

Programming cable

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Accessories

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

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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

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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

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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)