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Termination board - IBS PCI RI/I-T - 2730129

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Termination board, with copper connection and external power supply

Product description

The slave controller boards are intelligent PC boards that link the PC to any position in the INTERBUS system. This makes it possible to set up powerful visualization stations which allow access to data in the INTERBUS system and the controller close to the application. Several cards can be installed simultaneously in one PC so that it is possible to visualize or monitor several INTERBUS lines in one single PC. The number of data words that the slave controller boards occupy in the INTERBUS system can be set between one and eighteen. The interface cards provide a freely configurable fast I/O channel for time-critical data and also support the INTERBUS parameter channel (PCP). The parameter channel provides an optional access to larger data blocks.

Product Features

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

Key commercial data

Packing unit	1 pc
Weight per Piece (excluding packing)	244.7 GRM
Custom tariff number	85423190
Country of origin	Germany

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

Width	134 mm
Height	107 mm
Depth	20 mm

Ambient conditions

Degree of protection	IP00
Ambient temperature (operation)	0 °C ... 55 °C
Ambient temperature (storage/transport)	-20 °C ... 70 °C
Permissible humidity (operation)	95 % (non-condensing)
Permissible humidity (storage/transport)	95 % (non-condensing)

Control system

Control system	IBM-compatible PCs with PCI slot
Configuration tool	Own configurator on CD

Software interfaces

Software driver	Windows NT
	Windows 2000
	Windows XP
Application interface	DDI
	OPC-DA server

Software requirements

Configuration tool	Own configurator on CD

Power supply

Power supply connection	Via PCI bus or 2-pos. MINI-COMBICON
Typical current consumption	1 A
Supply voltage	3.3 V DC (internal)
	5 V DC (internal)
	24 V DC (external)
Supply voltage range	18 V DC ... 30 V DC

General

Weight	130 g
Format	Short plug-in card, 1-slot

Data interfaces

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Technical data

Data interfaces

Interface	INTERBUS remote bus, incoming
Connection method	9-pos. D-SUB pin strip
Transmission speed	500 kBit/s / 2MBit/s (can be switched)
Interface	INTERBUS remote bus, outgoing
Connection method	9-pos. D-SUB socket strip
Transmission speed	500 kBit/s / 2MBit/s (can be switched)
Interface	Host system
Connection method	PCI slot in acc. with PCI specification 2.1 or higher, PCI bus, 32 bits, 33 MHz, 3.3/5 V
Interface	External power supply
Connection method	2-pos. MINI PCB terminal block
Interrupts	1 IRQ, PNP

Direct I/Os

Number of pulse direction outputs	0
Limit frequency	0 kHz
Number of inputs	0
Input frequency	0 kHz

Fieldbus function

Amount of process data	max. 8192 Byte (INTERBUS-Master)
	256 Bit (INTERBUS-Slave)
Number of parameter data	4 Byte
Number of supported devices	max. 512 (of which 254 are remote bus devices/bus segments)
Number of devices with parameter channel	max. 126
Module classification	INTERBUS-Slave

Classifications

eCl@ss

eCl@ss 4.0	27240603
eCl@ss 4.1	27240603
eCl@ss 5.0	27242208
eCl@ss 5.1	27242215
eCl@ss 6.0	27242208
eCl@ss 7.0	27242208
eCl@ss 8.0	27242208

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Classifications

ETIM

ETIM 2.0	EC001425
ETIM 3.0	EC001425
ETIM 4.0	EC000236
ETIM 5.0	EC000236

UNSPSC

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

Approvals

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UL Recognized / cUL Recognized / null / UL Recognized / null / null / null / null / null / null / null / null / null / cULus Recognized

Ex Approvals

Approvals submitted

Approval details

UL Recognized

cUL Recognized

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Approvals

UL Recognized

cULus Recognized