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Termination board - IBS PCI SC/RI/I-T - 2730080

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Termination board - system coupler with copper connection

Product description

INTERBUS system coupler for PCs with PCI bus
System couplers integrate master and slave functions in one controller board at reduced space and low cost.
They can be used wherever the PC takes over control functions in a lower-level INTERBUS system and at the same time requires a non-interacting link to a higher-level INTERBUS system.
A typical example is the internal control of a robot with a PC and the simultaneous link to the system network.
The software interfaces to the application program are compatible with the INTERBUS Generation 4 PC controller boards, such as the IBS PCI SC/I-T.
As with all Generation 4 boards, configuration, parameterization and diagnostics are supported by the INTERBUS CMD software.
The system coupler allows for the connection of an external 24 V DC power supply to ensure uninterrupted operation of the higher-level INTERBUS system.

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+

☑ 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
Weight per Piece (excluding packing)	363.7 GRM
Custom tariff number	84733020
Country of origin	Germany

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Technical data

Note

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

Ambient conditions

Degree of protection	IP00

Control system

Control system	PCI bus
Diagnostics tool	DIAG+ from version 1.14
Configuration tool	CMD from version 4.5x

Software interfaces

Software driver	Windows NT
	Windows 2000
	Windows XP
	Windows 7
	Venturcom RTX 5.x
	Further types on request
Application interface	HLI
	OPC
	DDI

Software requirements

Configuration tool	CMD from version 4.5x
	Config+ from version 1.00 onwards
Diagnostics tool	DIAG+ from version 1.14

Power supply

Power supply connection	Via PCI bus (master) and 2-pos. MINI COMBICON (slave part)
Typical current consumption	0.8 A
Supply voltage	5 V DC
	24 V DC (external, environment class 1)
Supply voltage range	18.5 V DC ... 30.2 V DC (including ripple (0.5 Vpp))

General

Weight	280 g
Format	176 x 107 mm (IBS PCI SC/RI/LK: 168 x 107 mm)

Data interfaces

Interface	INTERBUS remote bus

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Technical data

Data interfaces

Connection method	9-pos. D-SUB female connector (optionally optical fiber possible via interface converters) with electrical isolation
Interface	Parameterization/operation/diagnostics
Connection method	RS-232-C, Mini-DIN female
Interface	Host system
Connection method	IBM-compatible PCI slot in acc. with PCI specification 2.1 or higher, PCI bus, 32 bit, 33 MHz, 5 V
Interrupts	1 IRQ, PNP

Fieldbus function

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

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	27242208

ETIM

ETIM 2.0	EC001425
ETIM 3.0	EC001425
ETIM 4.0	EC000236

UNSPSC

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

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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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