IBS PCI SC/I-T - Termination board

2725260

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PCI master controller board with electrical isolation

Your advantages

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

Commercial data

Item number	2725260
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	DR14
Product key	DREABA
GTIN	4017918185121
Weight per piece (including packing)	166.2 g
Weight per piece (excluding packing)	126.1 g
Customs tariff number	84733020
Country of origin	DE

Technical data

Notes

Notes on operation	From item revision 15, the controller board will no longer be equipped with a NVRAM (Non-Volatile Random-Access-Memory) due to component discontinuation. The fundamental functionality of the controller board is not affected. In applications that access the NVRAM, applicative countermeasures will have to be taken.

Note on application

Note on application	Only for industrial use

Product properties

Product type	PC controller board
Type	PC card
Set comprises	2732981 IBS PCI SC SYSKIT
	2732994 IBS PCI SC SYSKIT E
Format	Short plug-in card, 1-slot

System properties

Control system	IBM-compatible PCs with PCI slot
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

Addressable areas

I/O	16 bytes I/O, PnP

System limits

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

Local diagnostics

Designation	SC, HF, PF, BSA, FAIL
Monitored function	INTERBUS
Optical representation	Status display via LED

Functionality

Control system	IBM-compatible PCs with PCI slot

System requirements

Configuration tool	CMD from version 4.5x

	Config+ from version 1.00 onwards
Diagnostics tool	DIAG+ from version 1.0x
Application interface	HFI
	DDI
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

Electrical properties

Local diagnostics	SC, HF, PF, BSA, FAIL INTERBUS Status display via LED
Transmission medium	Copper
Maximum power dissipation for nominal condition	max. 3.5 W

Supply

Supply voltage	5 V DC
Supply voltage range	± 5 % (including ripple)
Power supply connection	Via PCI bus
Typical current consumption	0.7 A

Input data

Digital:

Input name	Digital inputs
Number of inputs	6 (IEC 61131-2 type 1)
Connection technology	FLK cable connector (14-pos.)
Nominal input voltage U_{IN}	24 V DC

Output data

Digital:

Output name	Digital outputs
Connection technology	FLK cable connector (14-pos.)
Number of outputs	2
Output voltage	24 V DC
Maximum output current per channel	0.5 A

Interfaces

Interrupts	1 IRQ, PnP

INTERBUS remote bus

Connection method	9-pos. D-SUB female connector, with electrical isolation
Transmission speed	500 kbps

Parameterization/operation/diagnostics

Connection method	RS-232-C, Mini-DIN female
Transmission speed	500 kbps500 kbps 2 Mbps

Host system

Connection method	PCI bus, 32 bit, 33 MHz, 5 V

Direct I/Os

Connection method	14-pos. FLK pin strip

Dimensions

Width	168 mm
Height	107 mm
Depth	20 mm

External dimensions

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

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP20 (Must be installed in a device with 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)

Approvals

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cULus Recognized
Approval ID: E140324

Classifications

ECLASS

ECLASS-13.0	27242208
ECLASS-15.0	27242208

ETIM

ETIM 10.0	EC001423

UNSPSC

UNSPSC 21.0	32151700

Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	7(a), 7(c)-I

China RoHS

Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.

EU REACH SVHC

REACH candidate substance (CAS No.)	Hexahydromethylphthalic anhydride(CAS: n/a)
	Lead(CAS: 7439-92-1)
SCIP	4dfa233e-d94a-4f2a-b32b-fd3010d4a017

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https://www.phoenixcontact.com

Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com