

IBS PC ISA SC/I-T - Termination board



2719234

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PC controller board in ISA format, with electrical isolation



Product description

INTERBUS Generation 4 controller boards for PCs

The intelligent controller boards, IBS PC ISA SC/I-T and IBS PC 104 SC-T provide PCs with two INTERBUS interface connections with Generation 4 functionality that can be programmed with high-level languages.

The IBS PC 104 SC-T is a software-compatible variant in the internationally standardized PC/104 format.

For the operating system, Windows NT, Windows 95 and DOS, there are drivers that permit access to the controller board via a simple interface. The new intelligent IBS PC SC HLI application interface allows you to create powerful INTERBUS applications using C, C++, Delphi or Visual Basic quickly and easily. The IBS CMD SWT G4 software can be used to parameterize the INTERBUS system by integrating an export filter for IBS PC SC HLI.

The system packages offer includes an economy version consisting of the controller board, the manuals, all the drivers, and CMD.

Commercial data

| | |
|--------------------------------------|--------------------------------|
| Item number | 2719234 |
| Packing unit | 1 pc |
| Note | Made to order (non-returnable) |
| Sales key | NULL |
| Product key | DREABA |
| GTIN | 4017918120146 |
| Weight per piece (including packing) | 177 g |
| Weight per piece (excluding packing) | 177 g |
| Customs tariff number | 84733020 |
| Country of origin | DE |

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Technical data

Product properties

| | |
|---------------|--|
| Product type | PC controller board |
| Type | PC card |
| Set comprises | 2721918 IBS PC ISA SC SYSKIT E 2721905 IBS PC ISA SC SYSKIT |
| Format | Short plug-in card, 1-slot |

System properties

| | |
|------------------|----------------------------------|
| Control system | IBM-compatible PCs with ISA slot |
| Operating system | Windows NT |
| | Windows 2000 |
| | Windows 95/98 |
| | DOS |
| | Further types on request |

Addressable areas

| | |
|-----|---|
| I/O | 8 bytes, selectable between 100 and 3F8 (hex) |
|-----|---|

INTERBUS-Master

| | |
|--|--------------------------|
| Amount of process data | max. 8192 bit (INTERBUS) |
| Number of devices with parameter channel | max. 126 |

Local diagnostics

| | |
|------------------------|---------------------------|
| Designation | MREADY |
| Monitored function | INTERBUS operating status |
| Optical representation | Status display via LED |

Functionality

| | |
|----------------|----------------------------------|
| Control system | IBM-compatible PCs with ISA slot |
|----------------|----------------------------------|

System requirements

| | |
|-----------------------|--------------------------|
| Configuration tool | CMD from Version 4.0x |
| Diagnostics tool | DIAG+ from version 1.0x |
| Application interface | OPC |
| | DDI |
| Driver | Windows NT |
| | Windows 2000 |
| | Windows 95/98 |
| | DOS |
| | Further types on request |

Electrical properties

| | |
|---------------------|---|
| Local diagnostics | MREADY INTERBUS operating status Status display via LED |
| Transmission medium | Copper |

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| | |
|---|------------|
| Maximum power dissipation for nominal condition | max. 2.5 W |
|---|------------|

Supply

| | |
|-----------------------------|--------------------------|
| Supply voltage | 5 V DC |
| Supply voltage range | ± 5 % (including ripple) |
| Power supply connection | Via ISA bus |
| Typical current consumption | 0.5 A |

Interfaces

| | |
|------------|---|
| Interrupts | Selectable between IRQ 3, 5, 7, 9, 10, 11, 12, 15 |
|------------|---|

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, D-SUB 9-pos. male connector |
| Transmission speed | 500 kbps |

Host system

| | |
|-------------------|---------|
| Connection method | ISA bus |
|-------------------|---------|

Dimensions

| | |
|--------|--------|
| Width | 135 mm |
| Height | 107 mm |

External dimensions

| | |
|------------------------|--|
| Width / Height / Depth | 135 mm / 107 mm / (short plug-in card, 1 slot) |
|------------------------|--|

Environmental and real-life conditions

Ambient conditions

| | |
|---|---|
| Degree of protection | IP00 |
| Ambient temperature (operation) | -25 °C ... 75 °C (acc. to EN 60204-1) |
| Ambient temperature (storage/transport) | 0 °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) |

Mounting

| | |
|---------------|--------------------|
| Mounting type | In the host system |
|---------------|--------------------|

Environmental product compliance

EU RoHS

| | |
|---|--------------------|
| Fulfills EU RoHS substance requirements | Yes |
| Exemption | 6(c), 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.) | Lead(CAS: 7439-92-1) |
|-------------------------------------|----------------------|