

# IBS PCI SC/I-T - Termination board

2725260

<https://www.phoenixcontact.com/us/products/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            |

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## 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.<br>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<br>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<br>Windows 2000<br>Windows XP<br>Windows 7 (64 bit)<br>Windows 8/10 (32 & 64 bit)<br>Venturcom RTX 5.x<br>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 |
|--------------------|-----------------------|

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|                       |                                   |
|-----------------------|-----------------------------------|
|                       | 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                                                 |

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## 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) |

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## Approvals

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**cULus Recognized**

Approval ID: E140324



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## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-13.0 | 27242208 |
| ECLASS-15.0 | 27242208 |

### ETIM

|           |          |
|-----------|----------|
| ETIM 10.0 | EC001423 |
|-----------|----------|

### UNSPSC

|             |          |
|-------------|----------|
| UNSPSC 21.0 | 32151700 |
|-------------|----------|

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## 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        |

### EF3.1 Climate Change

|         |                |
|---------|----------------|
| CO2e kg | 22.147 kg CO2e |
|---------|----------------|

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