

# Coupling module - IBS CT 24 IO GT-LK-OPC - 2742146

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Coupling module (Gateway) degree of protection IP20, with fiber optic remote bus connection

## Product Description

INTERBUS CT coupling modules connect two INTERBUS systems together on the input/output level. In their function, they correspond to two normal I/O modules, the inputs and outputs of which are connected crosswise. In this way, INTERBUS can be used to facilitate bi-directional data transfer between any two control systems. The extent of the data can be up to ten words (160 bits) per cycle. The data width can be configured between one byte and ten words by means of a rotary switch (byte configuration is only possible in Generation 4 controller boards). The selected data word (or byte) is shown on a 7-segment display. The modules are installed directly in the INTERBUS remote bus. In the case of the IBS CT 24 IO GT-LK-OPC fiber optic version, the bus is connected via F-SMA connectors. The modules are equipped with isolated bus lines, a redundant supply of the 24 V power, and optical path regulation. Sixteen status LEDs assigned to each bus line are used to display the signal states. A button located on the module permits the current output word or byte of the specific remote bus to be displayed. In this case, the output information for one bus is the input information of the other.

## Your advantages

- Remote bus connections using fiber optic technology
- Electrical isolation
- Diagnostic and status indicators
- DIN rail mounting



## Key Commercial Data

|              |               |
|--------------|---------------|
| Packing unit | 1 pc          |
| GTIN         |               |
| GTIN         | 4017918817312 |

## Technical data

### Note

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

### Dimensions

|        |        |
|--------|--------|
| Width  | 204 mm |
| Height | 77 mm  |

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## Technical data

### Dimensions

|       |       |
|-------|-------|
| Depth | 37 mm |
|-------|-------|

### Ambient conditions

|                                 |                  |
|---------------------------------|------------------|
| Degree of protection            | IP20             |
| Ambient temperature (operation) | -20 °C ... 70 °C |

### Interfaces

|                    |   |
|--------------------|---|
| Interface          | INTERBUS remote bus (incoming/outgoing) |
| Connection method  | F-SMA connector                         |
| Transmission speed | 500 kbps / 2 Mbps                       |

### Power supply

|                             |                       |
|-----------------------------|-----------------------|
| Typical current consumption | 150 mA                |
| Max. current consumption    | 200 mA                |
| Supply voltage              | 24 V DC               |
| Supply voltage range        | 19.2 V DC ... 30 V DC |

### INTERBUS data

|  |       |
|--|-------|
| Maximum distance to the next remote bus device | 300 m |
|--|-------|

### General

|        |       |
|--------|-------|
| Weight | 240 g |
|--------|-------|

### Environmental Product Compliance

|            |   |
|------------|---|
| REACH SVHC | Lead 7439-92-1  |
| China RoHS | Environmentally Friendly Use Period = 50 years  |
|            | For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration" |

## Classifications

### eCl@ss

|               |          |
|---------------|----------|
| eCl@ss 10.0.1 | 27242608 |
| eCl@ss 4.0    | 27250200 |
| eCl@ss 4.1    | 27250200 |
| eCl@ss 5.0    | 27250200 |
| eCl@ss 5.1    | 27242600 |
| eCl@ss 6.0    | 27242600 |
| eCl@ss 7.0    | 27242608 |
| eCl@ss 8.0    | 27242608 |
| eCl@ss 9.0    | 27242608 |

### ETIM

|          |          |
|----------|----------|
| ETIM 2.0 | EC001423 |
| ETIM 3.0 | EC001423 |

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## Classifications

### ETIM

|          |          |
|----------|----------|
| ETIM 4.0 | EC001478 |
| ETIM 5.0 | EC001604 |
| ETIM 6.0 | EC001604 |
| ETIM 7.0 | EC001604 |

### UNSPSC

|               |          |
|---------------|----------|
| UNSPSC 6.01   | 43172015 |
| UNSPSC 7.0901 | 45111807 |
| UNSPSC 11     | 45111807 |
| UNSPSC 12.01  | 45111807 |
| UNSPSC 13.2   | 32151602 |
| UNSPSC 18.0   | 32151602 |
| UNSPSC 19.0   | 32151602 |
| UNSPSC 20.0   | 32151602 |
| UNSPSC 21.0   | 32151602 |

## Approvals


### Approvals

#### Approvals

UL Listed / cUL Listed / EAC / cULus Listed

#### Ex Approvals

### Approval details

|           |   |   |               |
|-----------|---|---|---------------|
| UL Listed |  | <a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a> | FILE E 140324 |
|-----------|---|---|---------------|

|            |   |   |               |
|------------|---|---|---------------|
| cUL Listed |  | <a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a> | FILE E 140324 |
|------------|---|---|---------------|

|     |   |               |
|-----|---|---------------|
| EAC |  | EAC-Zulassung |
|-----|---|---------------|

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### Approvals

cULus Listed



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