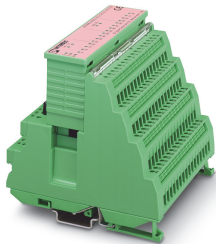


## I/O module - IB ST 24 DO 8/3-2A - 2754891

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INTERBUS-ST digital output module, 8 outputs, 24 V DC, 2 A, 3-conductor connection technology, IP20 degree of protection, consisting of: terminal part with screw connection and module electronics

The figure shows version IB ST 24  
BDO 8/3

### Product Description

INTERBUS ST digital output modules

The digital INTERBUS output modules are designed for the connection of digital actuators, such as electromechanical valves, contactors or lamps. In addition to the standard IB ST 24 BDO modules, the range is rounded off by modules with extended functionality.

The scope of functions provided by the standard models covers the majority of applications. On top of this, several modules provide additional electronic functions, such as:

- Output channels in up to four electrically isolated groups
- Separate electronic short-circuit protection for each output channel
- Higher output current, which are needed in individual applications.


All the typical advantages of INTERBUS-ST handling, such as multi-wire connection methods and plug-in electronics are provided by both product lines.

### Your advantages

- ✓ 8 digital outputs
- ✓ Connection of actuators in 3-conductor technology
- ✓ Nominal current per output: 2 A
- ✓ Diagnostic and status indicators

**RoHS**

### Key Commercial Data

|                                      |                                                                                                         |
|--------------------------------------|---------------------------------------------------------------------------------------------------------|
| Packing unit                         | 1 pc                                                                                                    |
| GTIN                                 | <br>4 017918 063382 |
| GTIN                                 | 4017918063382                                                                                           |
| Weight per Piece (excluding packing) | 451.800 g                                                                                               |
| Custom tariff number                 | 85389091                                                                                                |
| 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 |
|-------------------------|---------------------------------------------------------------------------|

### Dimensions

|        |        |
|--------|--------|
| Width  | 118 mm |
| Height | 117 mm |
| Depth  | 116 mm |

### Ambient conditions

|                                          |                                             |
|------------------------------------------|---------------------------------------------|
| Ambient temperature (operation)          | 0 °C ... 55 °C                              |
| Ambient temperature (storage/transport)  | -20 °C ... 70 °C                            |
| Permissible humidity (operation)         | 75 % (non-condensing)                       |
| Permissible humidity (storage/transport) | 95 % (non-condensing)                       |
| Air pressure (operation)                 | 86 kPa ... 108 kPa (1500 m above sea level) |
| Air pressure (storage/transport)         | 66 kPa ... 108 kPa (3500 m above sea level) |
| Degree of protection                     | IP20                                        |

### Interfaces

|                    |                        |
|--------------------|------------------------|
| Designation        | ST local bus           |
| Connection method  | ST local bus connector |
| Transmission speed | 500 kbps               |

### Digital outputs

|                       |                                     |
|-----------------------|-------------------------------------|
| Output name           | Digital outputs                     |
| Connection method     | Screw connection                    |
| Connection technology | 3-conductor                         |
| Number of outputs     | 8                                   |
| Protective circuit    | Short-circuit protection electronic |

### Power supply for module electronics

|                      |                                                        |
|----------------------|--------------------------------------------------------|
| Supply voltage       | 24 V DC                                                |
| Supply voltage range | 20 V DC ... 30 V DC (including ripple)                 |
| Ripple               | 3.6 V <sub>pp</sub> within the allowable voltage range |
| Current consumption  | 100 mA                                                 |

### General

|                   |                     |
|-------------------|---------------------|
| Mounting type     | DIN rail            |
| Net weight        | 438 g               |
| Mounting position | Horizontal DIN rail |

### Standards and Regulations

# I/O module - IB ST 24 DO 8/3-2A - 2754891

## Technical data

### Standards and Regulations

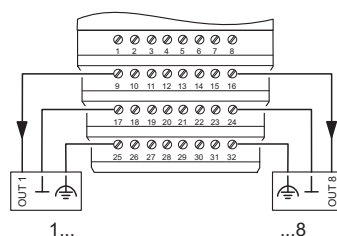
|                                  |                                       |
|----------------------------------|---------------------------------------|
| Connection in acc. with standard | CUL                                   |
| Protection class                 | III (IEC 61140, EN 61140, VDE 0140-1) |

### 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" |

## Drawings

Connection diagram



## Classifications

### eCl@ss

|               |          |
|---------------|----------|
| eCl@ss 10.0.1 | 27242604 |
| eCl@ss 11.0   | 27242604 |
| eCl@ss 4.0    | 27250300 |
| eCl@ss 4.1    | 27250300 |
| eCl@ss 5.0    | 27250300 |
| eCl@ss 5.1    | 27242600 |
| eCl@ss 6.0    | 27242600 |
| eCl@ss 7.0    | 27242604 |
| eCl@ss 9.0    | 27242604 |

### ETIM

|          |          |
|----------|----------|
| ETIM 2.0 | EC001430 |
| ETIM 3.0 | EC001599 |
| ETIM 4.0 | EC001599 |
| ETIM 6.0 | EC001599 |
| ETIM 7.0 | EC001599 |

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### Classifications

#### UNSPSC

|               |          |
|---------------|----------|
| UNSPSC 6.01   | 43172015 |
| UNSPSC 7.0901 | 43201404 |
| UNSPSC 11     | 43172015 |
| UNSPSC 12.01  | 43201404 |
| UNSPSC 13.2   | 32151602 |
| UNSPSC 18.0   | 32151602 |
| UNSPSC 19.0   | 32151602 |
| UNSPSC 20.0   | 32151602 |
| UNSPSC 21.0   | 32151602 |

### Approvals


#### Approvals


#### Approvals


UL Recognized / cUL Recognized / EAC / cULus Recognized

#### Ex Approvals

#### Approval details

|                            |                                                                                     |                                                                                                                                                       |               |
|----------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| UL Recognized              |  | <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 |
|                            |                                                                                     |                                                                                                                                                       |               |
| mm <sup>2</sup> /AWG/kcmil |                                                                                     | 30-12                                                                                                                                                 |               |

|                            |                                                                                     |                                                                                                                                                       |               |
|----------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| cUL Recognized             |  | <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 |
|                            |                                                                                     |                                                                                                                                                       |               |
| mm <sup>2</sup> /AWG/kcmil |                                                                                     | 30-12                                                                                                                                                 |               |

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

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### Approvals

cULus Recognized



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