

## 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-wire connection method, IP20 protection, comprising: terminal part with screw connection and electronics module

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-wire technology
- ✓ Nominal current per output: 2 A
- ✓ Diagnostic and status indicators

### Key Commercial Data

Packing unit	1 pc
GTIN	
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
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### 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-wire
Number of outputs	8
Protective circuit	Short-circuit protection electronic
Maximum output current per channel	2 A
Maximum output current per module / terminal block	10 A
Maximum output current per group	5 A

### 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
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## Technical data

### General

Net weight	438 g
Mounting position	Horizontal DIN rail

### Standards and Regulations

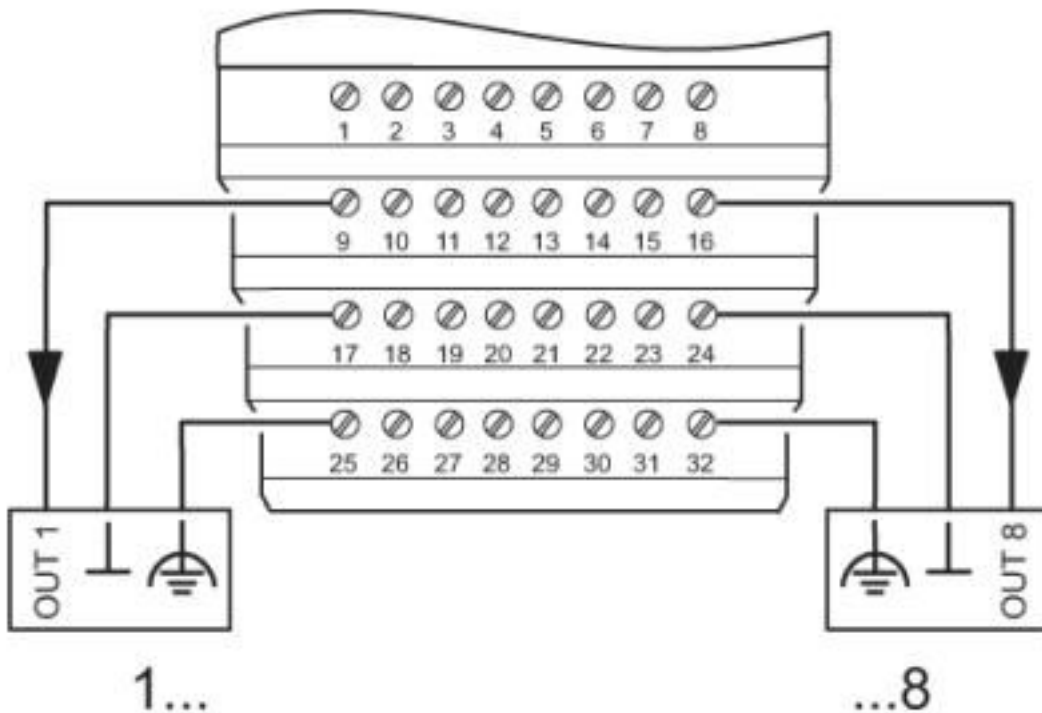
Connection in acc. with standard	CUL
Protection class	III (IEC 61140, EN 61140, VDE 0140-1)

### 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



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## Classifications

### eCl@ss

eCl@ss 10.0.1	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 8.0	27242604
eCl@ss 9.0	27242604

### ETIM

ETIM 2.0	EC001430
ETIM 3.0	EC001599
ETIM 4.0	EC001599
ETIM 5.0	EC001599
ETIM 6.0	EC001599
ETIM 7.0	EC001599

### 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

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#### Approvals

UL Recognized / cUL Recognized / EAC / cULus Recognized

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#### Ex Approvals

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

## 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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cULus Recognized	
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## Accessories

### Accessories

#### Bridge

Jumper - IB ST LBC - 2836492



Spare local bus cable, for INTERBUS-ST modules

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### Accessories

Insertion bridge - EB 84 IB ST BU - 2836269



Insertion bridges, divisible, isolated comb spine, color blue, 84-pos.

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Insertion bridge - EB 84 IB ST RD - 2836272



Insertion bridges, divisible, isolated comb spine, color red, 84-pos.

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### Fuse

Fuse - IBS TR5 5AT - 2767383



Replacement fuse, for INTERBUS-ST modules

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Replacement electronics module - IB STME 24 DO 8/3-2A - 2754972



Replacement module electronics for IB ST (ZF) 24 BDO 8/3-2 A

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