

## I/O module - IB ST 24 BAO 8/U-8B - 2721031

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INTERBUS-ST analog output module, D/A resolution 13-bit, 8 outputs, 0 to 10 V, consisting of: Terminal part with screw connection and module electronics

### Product description

INTERBUS ST standard analog output modules

These 8-channel output modules are an inexpensive alternative in applications with many analog actuators.

In addition to the standard output voltage of -10 to +10 V, the IB ST 24 BAO 8/U offers an extended output range of -12 to +12 V.


If the high 12-bit resolution of the output value is not necessary, the IB ST 24 BAO 8/U-8B gives you the option of saving PLC memory by combining two channels of 8 bits each into one data word. Further features are:

- Diagnostic LEDs provide information on the operating status at any time.
- All modules can be individually labeled on the large pull-out labeling field. The insert cards can be prepared by hand, or by plotter or printer.
- In the event of failure or malfunction, the electronics of the module can be easily replaced. The passive termination block remains mounted on the rail. This means that the replacement process can be carried out in a just a few seconds and without the need for tools.
- The fuses are accessible from outside, so that a fault can be cleared quickly.
- The connection to protective earth ground is made directly via the DIN rail.
- The conventional labeling materials (Zack strip ZB-6, etc.) can be used to label the termination blocks.

### Product Features

- Standard signal types (voltage and current)
- Temperature measurement modules
- 8 analog bipolar outputs
- Connection of actuators in 2-wire technology

### Key commercial data

Packing unit	1 pc
GTIN	 4 017918 140335
Weight per Piece (excluding packing)	651.5 GRM
Custom tariff number	85389091
Country of origin	Germany

### Technical data

Note

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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
Length	116 mm

### Interfaces

Interface	ST local bus
Connection method	ST local bus connector
Transmission speed	500 kBit/s

### Power supply

Communications power $U_L$	9 V DC (from the ST local bus)
Typical current consumption	150 mA (at $U_S$ )
I/O voltage	$\pm 24$ V DC 5 % (ripple)
I/O voltage range	18.5 V DC ... 30.2 V DC
Max. power consumption from the local bus	120 mA (from the ST local bus)
	100 mA (from the ST local bus)

### Electrical isolation

Test section	Bus/Outputs 500 V AC 50 Hz 1 min
	Supply voltage/Outputs 500 V AC 50 Hz 1 min
	Supply voltage/Ground conductor 500 V AC 50 Hz 1 min
	I/O voltage/Ground conductor 500 V AC 50 Hz 1 min

### Outputs

No. of channels	8
Connection method	2-wire
	Screw connection
Voltage output signal	-10 V ... 10 V (max. 1 mA)
	-12 V ... 12 V
	0 V ... 10 V
Load/output load voltage output	> 10 k $\Omega$
Basic error limit	0.1 %
Representation of output values	8 bits straight-binary
Transmission of output values from the control system	All channels simultaneously in 4 process data words
DAC resolution	8 Bit
Process data update	2.5 ms (incl. slew rate)

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## Technical data

### General

Weight	600 g
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## Classifications

### eCl@ss

eCl@ss 4.0	27250303
eCl@ss 4.1	27250303
eCl@ss 5.0	27250303
eCl@ss 5.1	27242601
eCl@ss 6.0	27242601
eCl@ss 7.0	27242601
eCl@ss 8.0	27242601

### ETIM

ETIM 2.0	EC001431
ETIM 3.0	EC001596
ETIM 4.0	EC001596
ETIM 5.0	EC001596

### UNSPSC

UNSPSC 6.01	43172015
UNSPSC 7.0901	43201404
UNSPSC 11	43172015
UNSPSC 12.01	43201404
UNSPSC 13.2	43201404

## Approvals

### Approvals

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Approvals

GOST

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Ex Approvals

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Approvals submitted

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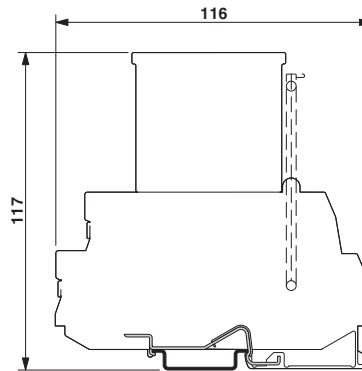
## Approvals

### Approval details



## Drawings

Dimensioned drawing



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Connection diagram

