

IB ST ZF 24 BAO 8/U

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Order No.: 2721251

The illustration shows version IB ST 24 BAO 8/U



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INTERBUS-ST analog output module, D/A resolution 13-bit, 8 outputs, -10 V to +10 V, - 12 to + 12 V, consisting of: Terminal part with spring-cage connection and module electronics

Commercial data

EAN	4017918140472
Pack	1 pcs.
Customs tariff	85389091
Weight/Piece	0.5862 KG

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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.

Technical data

Interfaces

Interface	ST local bus
Type of connection	ST local bus connector

Power supply

Communications voltage U_L	9 V DC (from the ST local bus)
Typical current consumption	150 mA (at U_S)
I/O voltage	± 24 V DC 5 % (ripple)
Peripherals 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
Type of connection	Spring-cage connection
Voltage output signal	-10 V ... 10 V (max. 2 mA/-12 V to +12 V (max. 1.2 mA))
Load/output load voltage output	> 5 k Ω (> 10 k Ω)
Voltage output quantization	2.44 mV (2.93 mV)
Basic error limit	0.19 %
Representation of output values	16 bit complement on two
Transmission of output values from the control system	Multiplexed, 4 channels each
DAC resolution	13 bits
Process data update	3 ms (incl. slew rate)

General data

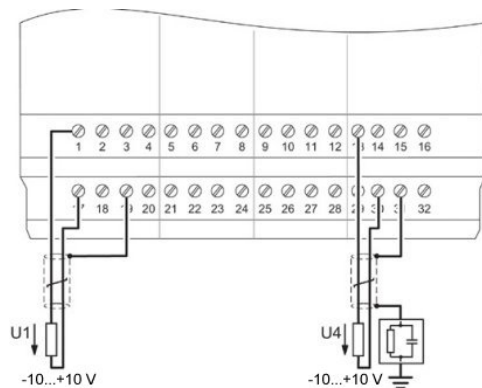
Weight	600 g
Width	118 mm
Height	117 mm
Length	116 mm

Accessories

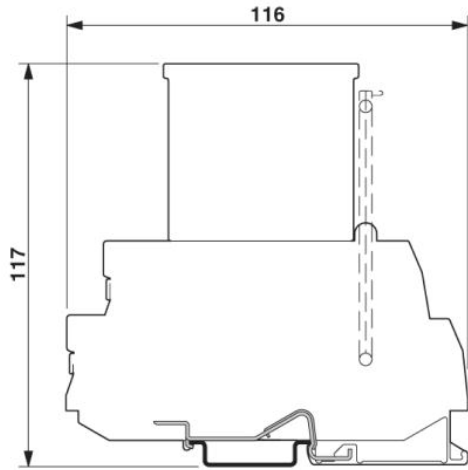
Item	Designation	Description
Cable/conductor		
2836492	IB ST LBC	Spare local bus cable, for INTERBUS-ST modules
Fuse		
2753478	IBS TR5 0,4AT	Replacement fuse, for INTERBUS-ST modules
Replacement clamping part		
2750866	IB STTB ZF 24 AO 4/SF	Replacement clamping part for IB ST ZF 24 AO 4/.. and IB ST ZF 24 BAO 8/..
Replacement module electronics		
2721183	IB STME 24 BAO 8/U	Replacement module electronics for IB ST (ZF) 24 BAO 8/U

Drawings

Connection diagram



Dimensioned drawing



Address

PHOENIX CONTACT Inc., USA
586 Fulling Mill Road
Middletown, PA 17057, USA
Phone (800) 888-7388
Fax (717) 944-1625
<http://www.phoenixcon.com>



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