

## I/O module - IB ST 24 AO 4/EF - 2700839

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)



INTERBUS-ST analog output module, 4 outputs, 0 - 10 V,  $\pm 10$  V, 0 - 20 mA, 4 - 20 mA, consisting of: terminal part with screw connection and module electronics

### Key Commercial Data

Packing unit	1 STK
Weight per Piece (excluding packing)	580.000 g
Custom tariff number	85389091
Country of origin	Germany

### Technical data

#### Note

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

#### Dimensions

Width	118 mm
Height	116 mm
Depth	117 mm

#### Ambient conditions

Ambient temperature (operation)	-25 °C ... 55 °C
Ambient temperature (storage/transport)	-25 °C ... 70 °C
Permissible humidity (operation)	10 % ... 95 % (non-condensing)
Permissible humidity (storage/transport)	10 % ... 95 % (non-condensing)
Air pressure (operation)	80 kPa ... 106 kPa (up to 2000 m above sea level)
Air pressure (storage/transport)	80 kPa ... 106 kPa (up to 2000 m above sea level)
Degree of protection	IP20

#### General

Mounting type	DIN rail mounting
Net weight	585 g

# I/O module - IB ST 24 AO 4/EF - 2700839

## Technical data

### General

Operating mode	Process data mode with 4 words
Diagnostics messages	Failure of the internal I/O supply I/O error message sent to the bus coupler
	F1 fuse failure I/O error message sent to the bus coupler
	I/O supply failure I/O error message sent to the bus coupler

### Interfaces

Designation	ST local bus
Connection method	ST local bus connector
Transmission speed	500 kBit/s
Transmission physics	Copper

### Power supply for module electronics

Connection method	ST local bus connector
Designation	Communications power
Supply voltage	9 V DC (from the ST local bus)
Current consumption	typ. 54 mA
Power consumption	typ. 0.5 W
Designation	U <sub>s</sub>
Voltage	24 V DC
Nominal supply voltage range	19.5 V DC ... 30.2 V DC (including all tolerances, including ripple)

### Analog outputs

Number of outputs	4 (Voltage or current)
Connection method	2, 3-conductor
Output name	Analog outputs
D/A conversion time	max. 1 ms (incl. slew rate)
D/A resolution	12 bit
Type of protection	Transient protection
Protective circuit/component	Suppressor diode
Representation of output values	16 bit two's complement
Current output signal	0 mA ... 20 mA (SF and SF4 mode)
	4 mA ... 20 mA (Mode SF4)
Load/output load current output	to 500 Ω
Voltage output signal	-10 V ... 10 V (Mode BP)
	0 V ... 10 V (SF and SF4 mode)
Load/output load voltage output	> 2 kΩ

### Electrical isolation

Test section	Bus/Outputs 500 V AC 50 Hz 1 min.
--------------	-----------------------------------

## I/O module - IB ST 24 AO 4/EF - 2700839

### Technical data

#### Electrical isolation

	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.

#### Standards and Regulations

Protection class	III, IEC 61140, EN 61140, VDE 0140-1
------------------	--------------------------------------

### 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
eCl@ss 9.0	27242601

#### ETIM

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

### Accessories

Accessories

Bridge

## I/O module - IB ST 24 AO 4/EF - 2700839

### Accessories

Jumper - IB ST LBC - 2836492



Spare local bus cable, for INTERBUS-ST modules

---

Insertion bridge - EB 84 IB ST BU - 2836269



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

---

Insertion bridge - EB 84 IB ST RD - 2836272



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

---

### Fuse

Fuse - IBS TR5 0,4AT - 2753478



Replacement fuse, for INTERBUS-ST modules

---

### Spare parts

Replacement electronics module - IB STME 24 AO 4/EF - 2701954



INTERBUS-ST analog output module, 4 outputs, 0 - 10 V,  $\pm 10$  V, 0 - 20 mA, 4 - 20 mA, comprising: Module electronics only

## I/O module - IB ST 24 AO 4/EF - 2700839

### Accessories

---

---

Phoenix Contact 2016 © - all rights reserved  
<http://www.phoenixcontact.com>