

## I/O module - IB ST 24 DO32/2 - 2754325

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 digital output module, 32 outputs, 24 V DC, 500 mA, 2-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 32/2

### 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

- ✓ 32 digital outputs
- ✓ Connection of actuators in 2-conductor technology
- ✓ Nominal current per output: 500 mA
- ✓ Total current of the terminal: 8 A
- ✓ Diagnostic and status indicators



### Key Commercial Data

Packing unit	1 pc
GTIN	 4 017918 063085
GTIN	4017918063085
Weight per Piece (excluding packing)	764.000 g
Custom tariff number	85389091
Country of origin	Germany

# I/O module - IB ST 24 DO32/2 - 2754325

## 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 % (on average, 85% infrequently, non-condensing)
Permissible humidity (storage/transport)	75 % (on average, 85% infrequently, non-condensing)
Air pressure (operation)	86 kPa ... 108 kPa (1500 m above sea level)
Air pressure (storage/transport)	86 kPa ... 108 kPa (1500 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	2-conductor
Number of outputs	32
Protective circuit	Short-circuit protection electronic
Nominal load, inductive	12 VA (1.2 H, 48 Ω)
Nominal load, lamp	12 W
Nominal load, ohmic	12 W

### 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	200 mA

### General

Mounting type	DIN rail
---------------	----------

I/O module - IB ST 24 DO32/2 - 2754325

Technical data

General

Net weight	748 g
Mounting position	Horizontal DIN rail

Electrical isolation

Test section	Supply voltage logic / I/O 500 V AC 50 Hz 1 min.
	Bus/Output groups 500 V AC 50 Hz 1 min.
	Output groups/Ground conductor 500 V AC 50 Hz 1 min.
	Output group/Output group 500 V AC 50 Hz 1 min.

Standards and Regulations

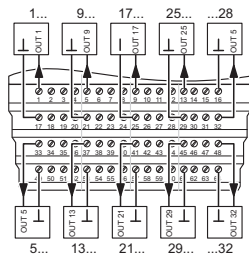
Connection in acc. with standard	CUL
Protection class	III (IEC 61140, EN 61140, VDE 0140-1)

Environmental Product Compliance

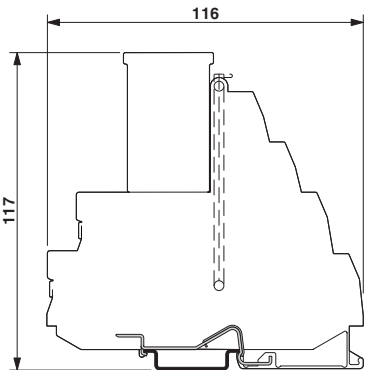
REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50 years
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Drawings

Connection diagram



Dimensional drawing



Classifications

eCl@ss

eCl@ss 10.0.1	27242604
eCl@ss 11.0	27242604
eCl@ss 4.0	27250300
eCl@ss 4.1	27250300

## I/O module - IB ST 24 DO32/2 - 2754325

### Classifications

#### eCl@ss

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

---

Approvals

UL Recognized / cUL Recognized / EAC / cULus Recognized

---


Ex Approvals


---

#### Approval details


## I/O module - IB ST 24 DO32/2 - 2754325

### Approvals

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
mm²/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
mm²/AWG/kcmil		30-12	

EAC		EAC-Zulassung
-----	---	---------------

cULus Recognized	
------------------	---

### Accessories

#### Accessories

#### Bridge

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.

## I/O module - IB ST 24 DO32/2 - 2754325

### Accessories

Insertion bridge - EB 84 IB ST RD - 2836272



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

---

### Device parameterization

Software - AX+ BASIC - 2985068



Software CD for FDT container for integrating device DTMs (free download)

---

### Fuse

Fuse - IBS TR5 5AT - 2767383



Replacement fuse, for INTERBUS-ST modules

---

### I/O component

Replacement electronics module - IB STME 24 DO32/2 - 2754370



Replacement module electronics for IB ST (ZF) 24 DO 32/2

---

### Programming

## I/O module - IB ST 24 DO32/2 - 2754325

### Accessories

Software - AX DTM LIB - 2988065



DTM library

---

Replacement clamping part - IB STTB 24 DO 32/2 - 2753038



Replacement clamping part for IB ST 24 DO 32/2

---