

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

2752482

<https://www.phoenixcontact.com/us/products/2752482>

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The figure shows version IB ST  
24 BDO 32/2

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, extended temperature range

## Commercial data

Item number	2752482
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	NULL
Product key	DRI332
GTIN	4017918272449
Weight per piece (including packing)	759.3 g
Weight per piece (excluding packing)	741 g
Customs tariff number	85389091
Country of origin	DE

## Technical data

### Dimensions

Width	118 mm
Height	117 mm
Length	116 mm

### Interfaces

#### ST local bus

Connection method	INTERBUS-ST local bus
Transmission speed	500 kbps

### Output data

#### Digital

Number of outputs	32
Output voltage	$U_S - 1\text{ V}$
Protective circuit	Short-circuit protection of outputs; Electronic per channel

### Product properties

Product type	I/O component
Product family	Smart Terminal ST
Type	modular

### Electrical properties

Test section	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

#### Supply

Communications power $U_L$	9 V DC (from the ST local bus)
I/O voltage	24 V DC
I/O voltage range	20 V DC ... 30 V DC
Residual ripple	$\pm 1.2\text{ V}_{PP}$
Typical current consumption	100 mA (from the ST local bus)

### Connection data

Connection method	Screw connection
Conductor cross-section, rigid	0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Conductor cross-section, flexible	0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Conductor cross-section AWG	24 ... 12
Stripping length	8 mm

### Environmental and real-life conditions

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## Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-25 °C ... 55 °C
Ambient temperature (storage/transport)	-25 °C ... 70 °C

## Mounting

Mounting type	DIN rail mounting
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## Classifications

### UNSPSC

UNSPSC 21.0	32151602
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## Environmental product compliance

### China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

### EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
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