

# IB ST 24 BDI 8/4 - I/O module

2750808

<https://www.phoenixcontact.com/us/products/2750808>



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INTERBUS-ST digital input module, 8 inputs, 24 V DC, 4-conductor connection technology, IP20 degree of protection, consisting of: terminal part with screw connection and module electronics

## Commercial data

Item number	2750808
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	NULL
Product key	DRI331
GTIN	4017918108427
Weight per piece (including packing)	486.3 g
Weight per piece (excluding packing)	486.3 g
Customs tariff number	85389091
Country of origin	DE

## Technical data

### Electrical properties

Test section	Bus logic/Inputs 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	$\pm 1.2$ V
Typical current consumption	50 mA (from the ST local bus)

### Input data

#### Digital

Number of inputs	8
Input voltage range "0" signal	-30 V DC ... 5 V DC
Input voltage range "1" signal	15 V DC ... 30 V DC
Protective circuit	Short-circuit protected initiator supply; Fuse Reverse polarity protection; With inverse-parallel diode and fuse
Connection method	Screw connection
Connection technology	4-conductor
Typical input current per channel	6 mA (at 24 V DC)

### Connection data

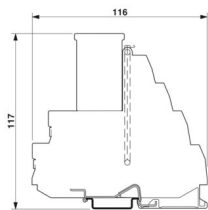
Connection method	Screw connection
Conductor cross-section, rigid	0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Conductor cross-section, flexible	0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Conductor cross-section AWG	24 ... 12

### Interfaces

#### ST local bus

Connection method	ST local bus connector
Transmission physics	Copper

### Dimensions

Dimensional drawing	
Length	116 mm

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## Environmental and real-life conditions

### Ambient conditions

Degree of protection	IP20
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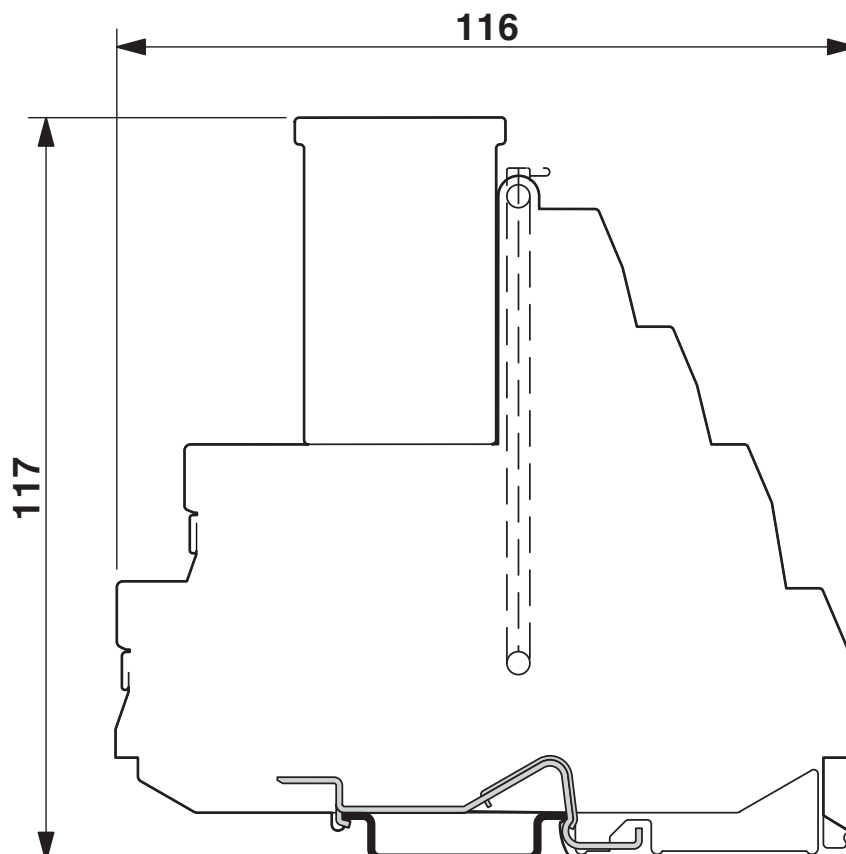
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## Drawings

Dimensional drawing



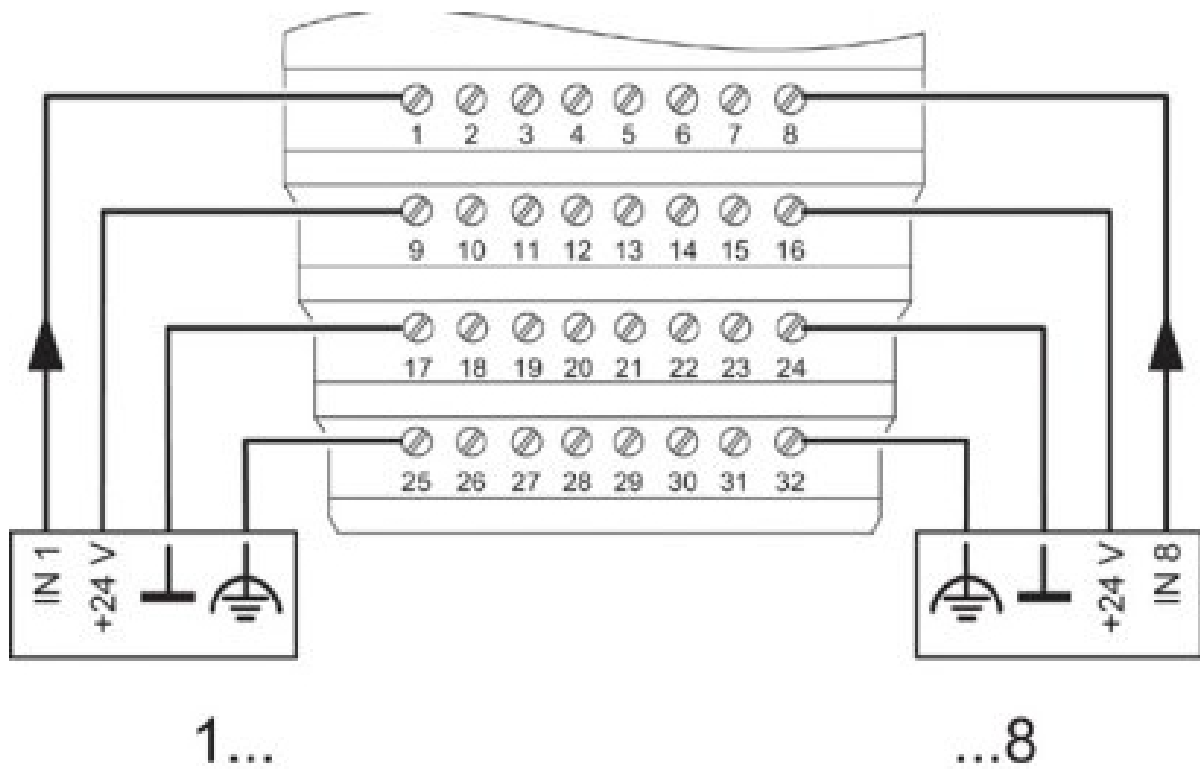
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Connection diagram

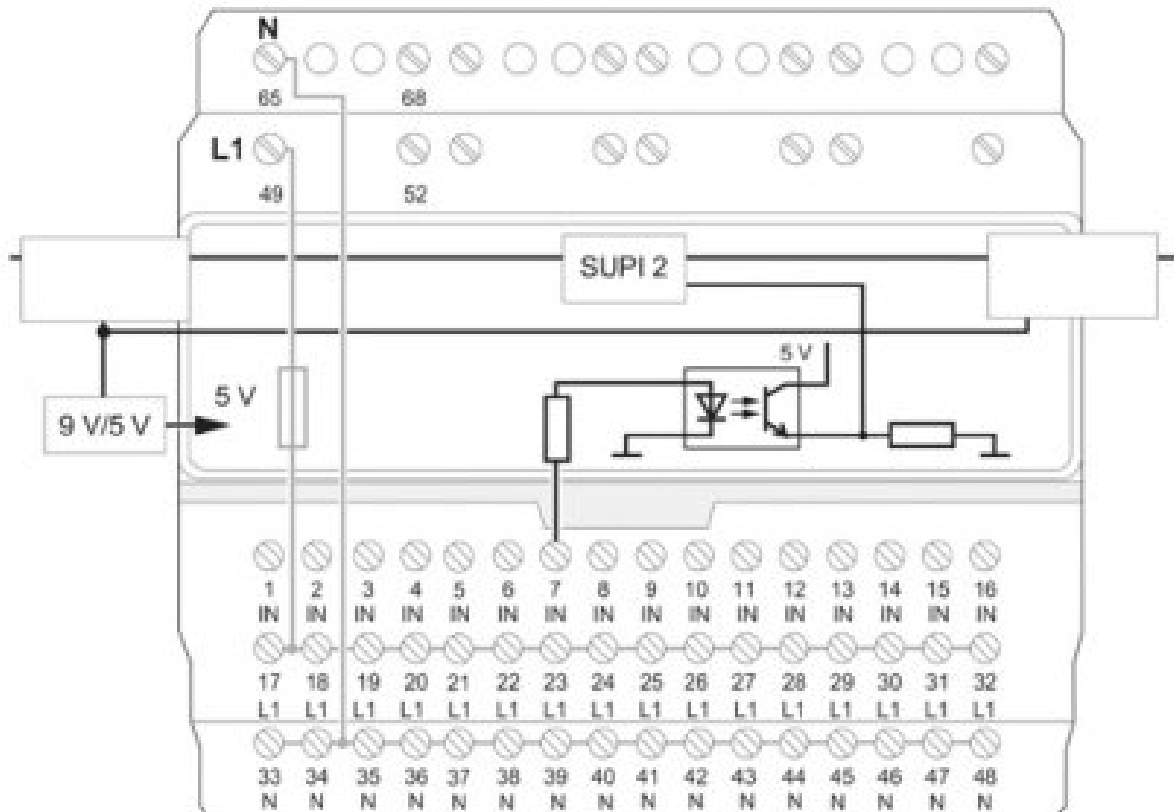


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Block diagram



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## Environmental product compliance

EU REACH SVHC

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