

# IB ST 24 DI32/2-WT - I/O module

2752479

<https://www.phoenixcontact.com/us/products/2752479>

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Digital input module, IP20 protection, consisting of terminal part with screw connection and module electronics, extended temperature range

The figure shows version IB ST 24  
BDI 32/2

## Commercial data

Item number	2752479
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	DR03
Product key	DRI331
GTIN	4017918243821
Weight per piece (including packing)	705.6 g
Weight per piece (excluding packing)	689 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	ST cable (scope of supply)
Transmission speed	500 kbps

### Product properties

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

### Electrical properties

Test section	Bus/Inputs (I/O) 500 V AC 50 Hz 1 min
	Ground conductor/Inputs (I/O) 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
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

#### 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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