

## IB ST 24 V.24


Order No.: 2725480



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2725480>

INTERBUS-ST module, with RS-232-C, RS-485 and RS-422 interface,  
for serial data transmission, IP20 protection, V.24

### Commercial data

GTIN (EAN)	 4 017918 154295
sales group	K403
Pack	1 pcs.
Customs tariff	85389091

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### Product description

INTERBUS ST serial transmission

The IB ST 24 V.24 module provides the option of connecting intelligent I/O equipment without an INTERBUS interface to an INTERBUS system, such as automation devices, protocol printers, identification systems, or process controllers.

For the serial transmission of data, the RS 232, RS 485 and RS 422 standard interfaces are integrated in the module. The interfaces can be set to up to 19200 baud. In the transmitting and receiving direction, the user has a 4 Kbyte buffer memory at his/her disposal.

Connection is made using an 8-pos. MINI-COMBICON plug connector. Mounting is user-friendly – simply snap it on to a DIN rail.

**Technical data****Interfaces**

Interface	ST local bus
Type of connection	ST local bus connector
Transmission speed	110 ... 19200 Bit/s (programmable)

**Power supply**

Typical current consumption	130 mA (from the ST local bus)
I/O voltage	24 V DC 5 % (ripple)
Peripherals voltage range	20 V DC ... 30 V DC

**Electrical isolation**

Test section	Interfaces/Logic 500 V AC 50 Hz 1 min
	Interfaces/24 V supply 500 V AC 50 Hz 1 min
	Interfaces/Bus 500 V AC 50 Hz 1 min
	Interfaces/Ground conductor 500 V AC 50 Hz 1 min
	24 V supply/Bus 500 V AC 50 Hz 1 min
	24 V supply/Ground conductor 500 V AC 50 Hz 1 min

**Serial input/output channel**

Input buffer	4 kByte
Output buffer	4 kByte
Transmission speed	110 ... 19200 Bit/s (programmable)
Parity	Even, odd or no parity
Hardware handshake	RTS/CTS and DTR/DSR at RS-232-C

**General data**

Weight	220 g
Width	44 mm
Height	117 mm
Length	116 mm

**Certificates / Approvals**

Certification

GOST

### Accessories

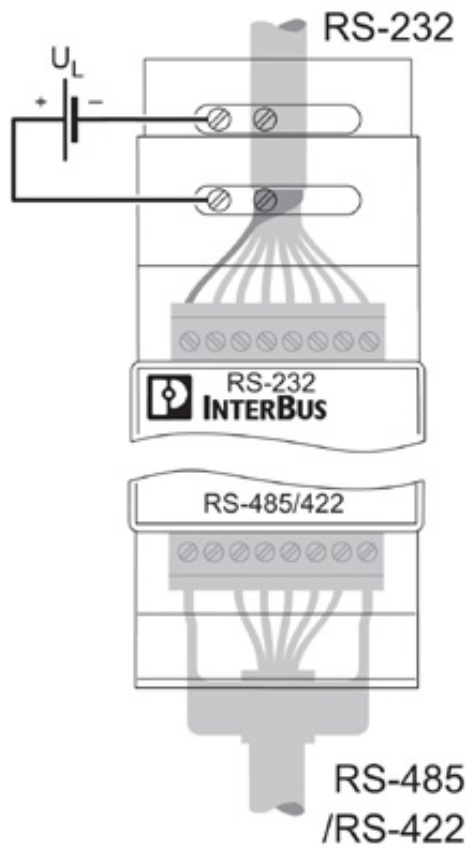
Item	Designation	Description
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### Bridges

2836269	EB 84 IB ST BU	Insertion bridges, divisible, isolated comb spine, color blue, 84-pos.
2836272	EB 84 IB ST RD	Insertion bridges, divisible, isolated comb spine, color red, 84-pos.

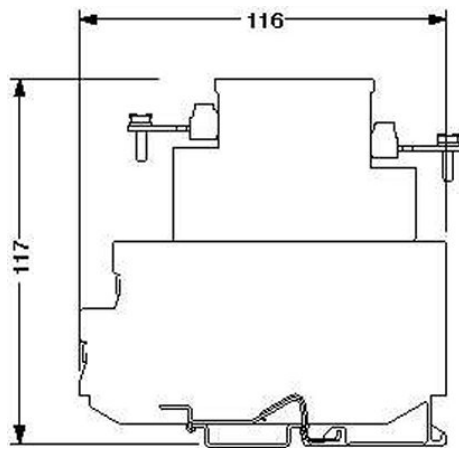
### Diagrams/Drawings

Connection diagram



Dimensioned drawing

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### FAQs

- **Can I set up an RS-485 network with the module?**

No! In RS-485 mode, only point-to-point transmission is possible.

- **How do I configure the serial interface?**

The INTERBUS module is configured using PCP services and adapted to the I/O device, e.g., a text display with RS-232 interface. Parameters such as protocol type, transmission speed, parity, data and stop bits are set.

- **Is it possible to operate a modem with INTERBUS module IB ST V.24?**

Yes. The module can be freely configured and is therefore suitable for operation with a modem.

**Address**

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