

## Special function module - IB ST 24 V.24 - 2725480

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

### 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 connector. Mounting is user-friendly – simply snap it on to a DIN rail.

### Key Commercial Data

Packing unit	1 pc
GTIN	
GTIN	4017918154295

### Technical data

#### Note

Utilization restriction	EMC: class A product, see manufacturer's declaration in the download area
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#### Dimensions

Width	44 mm
Height	117 mm

#### Connection data

Connection method	Screw connection
Conductor cross section solid min.	0.2 mm <sup>2</sup>
Conductor cross section solid max.	2.5 mm <sup>2</sup>
Conductor cross section flexible min.	0.2 mm <sup>2</sup>
Conductor cross section flexible max.	2.5 mm <sup>2</sup>
Conductor cross section AWG min.	24
Conductor cross section AWG max.	12
Stripping length	8 mm

#### Ambient conditions

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## Technical data

### Ambient conditions

Degree of protection	IP20
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### General

Mounting type	DIN rail
Color	green
Net weight	220 g
Hardware handshake	RTS/CTS and DTR/DSR at RS-232-C

### Interfaces

Designation	ST local bus
Connection method	ST local bus connector
Transmission speed	110 ... 19200 bps (programmable)
Input buffer	4 kByte
Output buffer	4 kByte

### Power supply for module electronics

Connection method	ST local bus connector
Designation	Communications power
Supply voltage	9 V DC (from the ST local bus)
Current consumption	typ. 130 mA (from the ST local bus)
Designation	U <sub>s</sub>
Voltage	24 V DC

### Serial input/output channel

Parity	Even, odd or no parity
Hardware handshake	RTS/CTS and DTR/DSR at RS-232-C

### 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.

### 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"

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## Classifications

### eCl@ss

eCl@ss 10.0.1	27242605
eCl@ss 4.0	27250300
eCl@ss 4.1	27250300
eCl@ss 5.0	27250300
eCl@ss 5.1	27242600
eCl@ss 6.0	27242600
eCl@ss 7.0	27242605
eCl@ss 8.0	27242605
eCl@ss 9.0	27242605

### ETIM

ETIM 2.0	EC001433
ETIM 3.0	EC001601
ETIM 4.0	EC001601
ETIM 5.0	EC001601
ETIM 6.0	EC001601
ETIM 7.0	EC001601

### 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

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Approvals

EAC

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Ex Approvals

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### Approval details

## Special function module - IB ST 24 V.24 - 2725480

### Approvals

EAC



EAC-Zulassung

### Accessories

#### Accessories

#### Bridge

Insertion bridge - EB 84 IB ST BU - 2836269



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

Insertion bridge - EB 84 IB ST RD - 2836272



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

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PHOENIX CONTACT GmbH & Co. KG  
Flachsmarktstr. 8  
32825 Blomberg  
Germany  
Tel. +49 5235 300  
Fax +49 5235 3 41200  
<http://www.phoenixcontact.com>

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