

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	 4 017918 154295
Weight per Piece (excluding packing)	291.8 g
Custom tariff number	85389091
Country of origin	Germany

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
Length	116 mm

General

Color	green
Weight	220 g
Mounting type	DIN rail

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Technical data

General

Degree of protection	IP20
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Interfaces

Interface	ST local bus
Connection method	ST local bus connector
Transmission speed	110 ... 19200 Bit/s (programmable)
Input buffer	4 kByte
Output buffer	4 kByte

Power supply

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

Serial input/output channel

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

Inline potentials

Communications power U_L	9 V DC (from the ST local bus)
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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.

Standards and Regulations

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.

Classifications

eCl@ss

eCl@ss 4.0	27250304
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Classifications

eCl@ss

eCl@ss 4.1	27250304
eCl@ss 5.0	27250304
eCl@ss 5.1	27242605
eCl@ss 6.0	27242605
eCl@ss 7.0	27242605
eCl@ss 8.0	27242605

ETIM

ETIM 2.0	EC001433
ETIM 3.0	EC001601
ETIM 4.0	EC001601
ETIM 5.0	EC001601

UNSPSC

UNSPSC 6.01	43172015
UNSPSC 7.0901	43201404
UNSPSC 11	43172015
UNSPSC 12.01	43201404
UNSPSC 13.2	43201404

Approvals

Approvals

Approvals

EAC

Ex Approvals

Approvals submitted

Approval details

EAC

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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

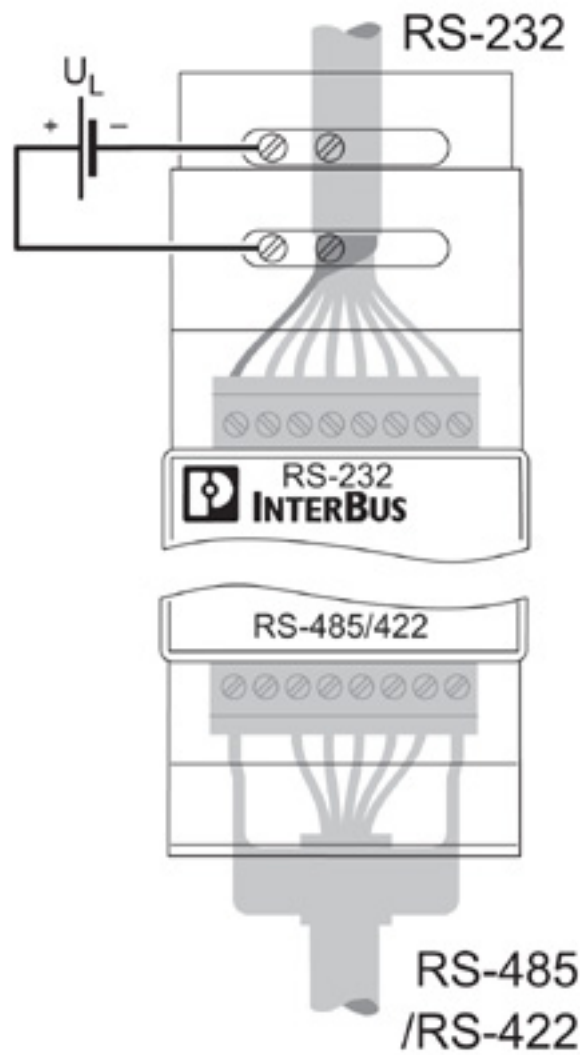


Insertion bridges, divisible, isolated comb spine, color red, 84-pos.

Drawings

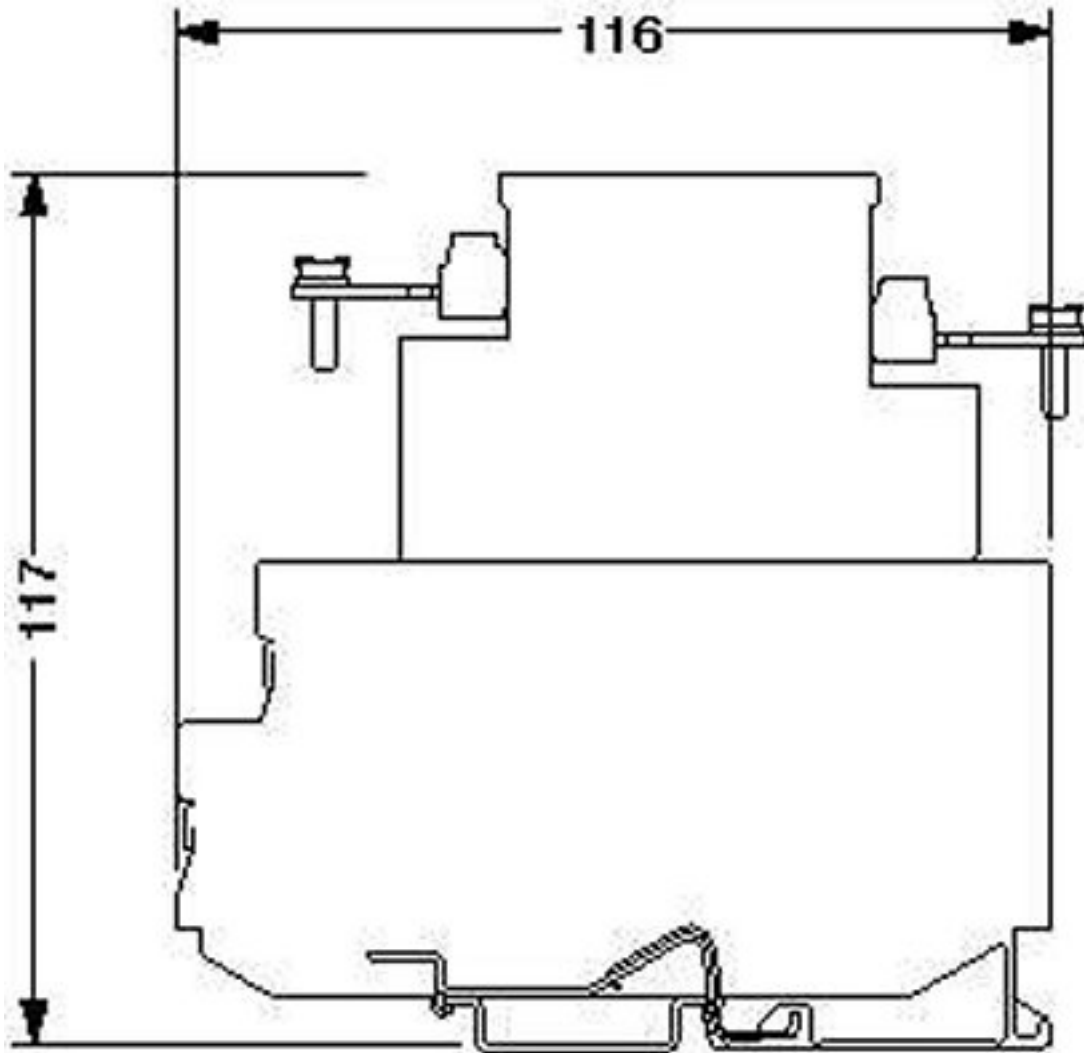
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Connection diagram



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Dimensional drawing



Mouser Electronics

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