

Inline function terminal - IB IL RS 232-2MBD-PAC - 2862084

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Inline RS-232 function terminal block, for serial data transmission, complete with accessories (plug and labeling field), 1 serial input and output channel in RS-232 design

Product Features

- [NO ASSET AVAILABLE: TXB,7181222,P]
- Various protocols supported
- Transmission speeds can be set up to 38400 Baud
- Number of data bits, stop bits and parity can be set
- 4 kbyte receive buffer and 1 kbyte transmit buffer
- Diagnostic and status indicators

Key commercial data

package_quantity	1
GTIN	4017918974718

Technical data

Note:

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

Width	24.4 mm
Height	136.8 mm
Depth	71.5 mm

General

Number of connectors	2
Color	green
Weight	135 g
Mounting type	DIN rail
Ambient temperature (operation)	-25 °C ... 55 °C
Ambient temperature (storage/transport)	-25 °C ... 85 °C
Permissible humidity (operation)	75 % ... 85 % (in the range of -25°C ... +55°C, appropriate measures against increased humidity (> 85%) must be taken.)
Permissible humidity (storage/transport)	75 % ... 85 % (Slight temporary condensation may sometimes appear on the housing, e.g. when the terminal block is brought out of a vehicle into an enclosed room.)

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Technical data

General

Degree of protection	IP20
Protection class	III, IEC 61140, EN 61140, VDE 0140-1

Interfaces

Interface	Inline local bus
Connection method	Inline data jumper
Transmission speed	2 MBit/s
Interface	Serial RS-232
Connection method	Spring-cage connection
Transmission speed	110 Bit/s ... 38400 Bit/s (configurable)
Input buffer	4 kByte
Output buffer	1 kByte
Data bits	7 or 8
Stop bits	1 or 2

Power supply

Typical current consumption	165 mA
I/O voltage	24 V DC (via voltage jumper)
I/O voltage range	19.2 V DC ... 30 V DC

Serial input/output channel

Parity	Even, odd or no parity
Transmission type	Transparent mode, end-end mode, dual buffer mode, 3964R, XON/XOFF

Inline potentials

Communications power U_L	7.5 V (via voltage jumper)
Current consumption from U_L	typ. 165 mA
Current consumption from U_L	max. 225 mA (all connections of the serial interface are short-circuited)

Electrical isolation

Test section	5 V supply, incoming remote bus/7.5 V supply (bus logics) 500 V AC 50 Hz 1 min
Test section	5 V supply, outgoing remote bus/7.5 V supply (bus logics) 500 V AC 50 Hz 1 min
Test section	RS-232 interface / 7.5 V supply (bus logics) 500 V AC 50 Hz 1 min
Test section	RS-232 interface / 24 V supply (I/O) 500 V AC 50 Hz 1 min
Test section	RS-232 interface / functional earth ground 500 V AC/DC 50 Hz 1 min
Test section	7.5 V supply (bus logics)/24 V supply (I/O) 500 V AC 50 Hz 1 min
Test section	7.5 V supply (bus logics) / functional earth ground 500 V AC 50 Hz 1 min
Test section	24 V supply (I/O) / functional earth ground 500 V AC 50 Hz 1 min

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classifications

eCl@ss

eCl@ss 4.0	27250304
eCl@ss 4.1	27250203
eCl@ss 5.0	27250304
eCl@ss 5.1	27242608
eCl@ss 6.0	27242608
eCl@ss 7.0	27242608
eCl@ss 8.0	27242608

ETIM

ETIM 2.0	EC001434
ETIM 3.0	EC001604
ETIM 4.0	EC001604
ETIM 5.0	EC001604

UNSPSC

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

accessories

Connector set

IB IL AO/CNT-PLSET - 2732664



Labeling panel

IB IL FIELD 2 - 2727501



Terminal marking

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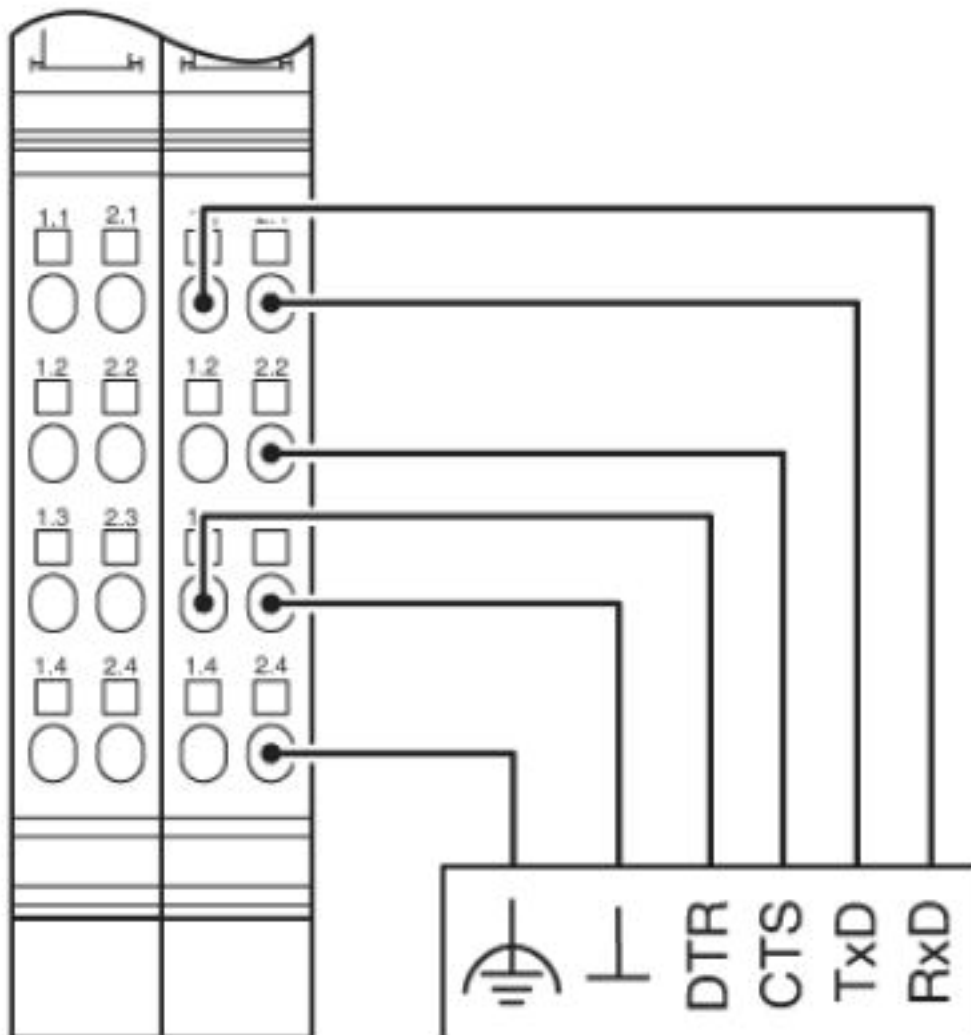
accessories

ESL 62X10 - 0809492



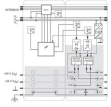
Drawings

Connection diagram

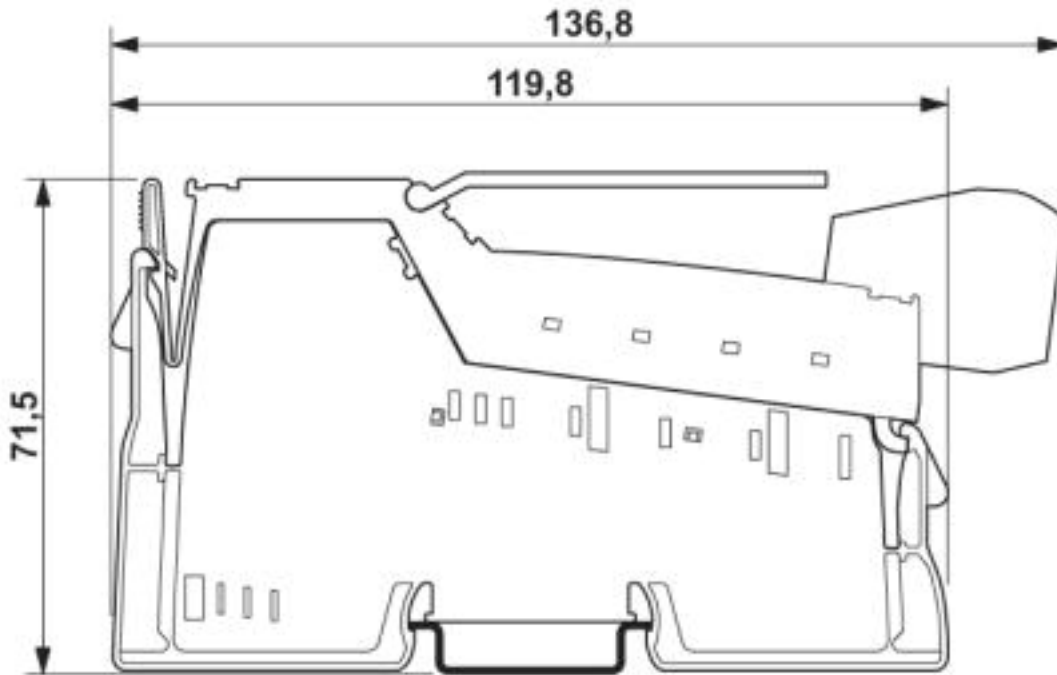


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Block diagram



Dimensioned drawing



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