

## Inline function terminal - IB IL RS 485/422-2MBD-PAC - 2862097

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Inline RS-485/422 function terminal block, complete with accessories (connector and labeling field), 1 serial input and output channel

### Why buy this product

- 1 serial input and output channel as RS-485 or RS-422 version
- 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

Packing unit	1 pc
GTIN	 4 017918 974725
Weight per Piece (excluding packing)	135.0 g
Custom tariff number	85389091
Country of origin	Germany
Note	Made to Order (non-returnable)

### Technical data

#### 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

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## Technical data

### General

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.)
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	Either RS-485 half duplex or RS-422 full duplex (as alternative only)
Connection method	Spring-cage connection
Transmission speed	110 ... 19200 Bit/s (configurable)
Transmission physics	Copper
Input buffer	4 kByte
Output buffer	1 kByte
Data bits	7 or 8
Stop bits	1 or 2

### Power supply

Typical current consumption	185 mA
I/O voltage	24 V DC (via voltage jumper)
I/O voltage range	19.2 V DC ... 30 V DC (including ripple)

### Serial input/output channel

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

### Inline potentials

Communications power $U_L$	7.5 V (via voltage jumper)
Current consumption from $U_L$	typ. 185 mA
	max. 260 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
	5 V supply, outgoing remote bus/7.5 V supply (bus logics) 500 V AC 50 Hz 1 min
	RS-485/422 interface / 7.5 V supply (bus logics) 500 V AC 50 Hz 1 min
	RS-485/422 interface / 24 V supply (I/O) 500 V AC 50 Hz 1 min

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## Technical data

### Electrical isolation

	RS-485/422 interface / functional earth ground 500 V AC 50 Hz 1 min
	7.5 V supply (bus logics)/24 V supply (I/O) 500 V AC 50 Hz 1 min
	7.5 V supply (bus logics) / functional earth ground 500 V AC 50 Hz 1 min
	24 V supply (I/O) / functional earth ground 500 V AC 50 Hz 1 min

## 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

### Accessories

#### Connector set

Connector set - IB IL AO/CNT-PLSET - 2732664



Connector set

### Labeling panel

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## Accessories

Labeling field - IB IL FIELD 2 - 2727501

Labeling field, width: 12.2 mm



## Terminal marking

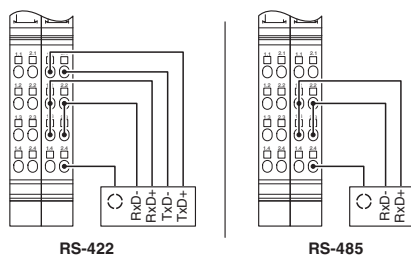
Insert strip - ESL 62X10 - 0809492

Insert strip, Sheet, white, unlabeled, can be labeled with: Office printing systems, Plotter: Laser printer, Mounting type: Insert, Lettering field: 62 x 10 mm



## Drawings

Connection diagram



Dimensioned drawing

