

## Inline function terminal - IB IL RS 485/422-PRO-PAC - 2863627

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Inline RS-485/422 function terminal, for serial data transmission, complete with accessories (connector and labeling field), 1 serial input and output channel in RS-485/422 design, pure process data communication

### Product description


The serial Inline communication terminal IL RS 485/422-PRO permits simple and fast integration of scanners, scales and printers into existing production processes. Parameter setting and data exchange is performed exclusively with process data. This means faster communication times for small data volume than with the PCP version. A wide range of applications is supported thanks to various protocols and transmission speeds up to 38400 baud.

### 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



### Key commercial data

Packing unit	1 pc
GTIN	 4 017918 946920
Weight per Piece (excluding packing)	166.4 g
Weight per piece (including packing)	168.0 g
Custom tariff number	85389091
Country of origin	Germany
Sales Key	O1 - Automatation Systems

### Technical data

#### Dimensions

Width	24.4 mm
Height	136.8 mm
Depth	71.5 mm

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## Technical data

### 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.)
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	500 kBit/s
Interface	RS-422/485
Connection method	Spring-cage connection
Transmission speed	110 Bit/s ... 38400 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	170 mA
I/O voltage	24 V DC (via voltage jumper)
I/O voltage range	19.2 V DC ... 30 V DC (including all tolerances, 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, MOVILINK protocol

### Inline potentials

Communications power $U_L$	7.5 V (via voltage jumper)
Current consumption from $U_L$	typ. 170 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 50 Hz 1 min
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## Technical data

### Electrical isolation

	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
	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

## Approvals

### Approvals

#### Approvals

UL Recognized / cUL Recognized / LR / GL / BV / DNV / ABS / RINA / GL-SW / BSH / BSH / cULus Recognized / GL

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## Approvals

Ex Approvals


UL Listed / cUL Listed / cULus Listed


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Approvals submitted

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### Approval details

UL Recognized 

cUL Recognized 

LR

GL

BV

DNV


ABS

RINA

GL-SW

BSH

BSH

cULus Recognized 

GL

## Inline function terminal - IB IL RS 485/422-PRO-PAC - 2863627

### Accessories

#### Accessories

##### Connector set

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



Connector set

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### Labeling panel

Labeling field - IB IL FIELD 2 - 2727501

Labeling field, width: 12.2 mm



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### Plug

Inline shield connector - IB IL SCN-6 SHIELD - 2726353



Inline shield connector

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### 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

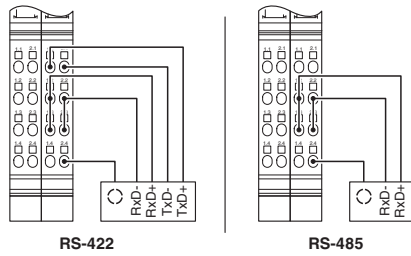


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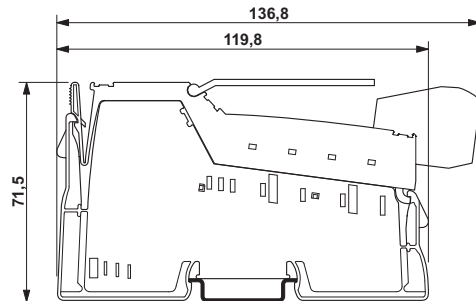
### Drawings

# Inline function terminal - IB IL RS 485/422-PRO-PAC - 2863627

Connection diagram



Dimensioned drawing



Block diagram

