

## Inline function terminal - IB IL RS UNI-PAC - 2700893

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Inline communication terminal, for serial data transmission, complete with accessories (connector connector and labeling field), 1 serial input and output channel in RS-485/422 or RS-232 design

### Why buy this product

- ✓ A serial input and output channel in RS-232, RS-422, and RS-485 format
- ✓ Various protocols supported
- ✓ Transmission speed can be set up to 250,000 baud
- ✓ Number of data bits, stop bits and parity can be set
- ✓ Parameterization via process data
- ✓ Diagnostic and status indicators



### Key commercial data

Packing unit	1 pc
GTIN	 4 046356 657129
Weight per Piece (excluding packing)	135.0 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	24.4 mm
Height	135 mm
Depth	71.5 mm

#### General

Color	green
Weight	135 g

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## Technical data

### General

Mounting type	DIN rail
Ambient temperature (operation)	-25 °C ... 55 °C
Ambient temperature (storage/transport)	-25 °C ... 85 °C
Permissible humidity (operation)	10 % ... 95 % (DIN EN 61131-2)
Permissible humidity (storage/transport)	10 % ... 95 % (DIN EN 61131-2)
Air pressure (operation)	70 kPa ... 106 kPa (up to 3000 m above sea level)
Air pressure (storage/transport)	70 kPa ... 106 kPa (up to 3000 m above sea level)
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-232, RS-485, RS-422
Connection method	Inline connector
Transmission speed	110 Bit/s ... 250000 Bit/s (configurable)
Transmission physics	Copper
Input buffer	4 kByte
Output buffer	1 kByte
Data bits	5 ... 8
Stop bits	1 or 2

### Power supply

Communications power $U_L$	7.5 V DC (via voltage jumper)
Typical current consumption	78 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)

### Electrical isolation

Test section	Serial interface/7.5 V supply (bus logic) 500 V AC 50 Hz 1 min
	Serial interface/24 V supply $U_M$ 500 V AC 50 Hz 1 min
	Serial interface/functional earth ground 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 ( $U_M$ )/functional earth ground 500 V AC 50 Hz 1 min

### Serial input/output channel

Parity	Even, odd or no parity
Transmission type	Transparent mode, end-to-end mode, XON/XOFF

### Inline potentials

Communications power $U_L$	7.5 V (via voltage jumper)
Current consumption from $U_L$	typ. 78 mA

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## Technical data

### Inline potentials

	max. 90 mA (all connections of the serial interface are short-circuited)
Main circuit supply $U_M$	24 V DC
Current consumption from $U_M$	typ. 15 mA
	max. 25 mA
Power consumption	typ. 585 mW (at $U_L$ )
	typ. 320 mW (at $U_M$ )

## Classifications

### eCl@ss

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

### ETIM

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

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Approvals

UL Listed / cUL Listed / cULus Listed

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Ex Approvals

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## Inline function terminal - IB IL RS UNI-PAC - 2700893

### Approvals

Approvals submitted

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#### Approval details

UL Listed 

cUL Listed 

cULus Listed 

### 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



Plug

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# Inline function terminal - IB IL RS UNI-PAC - 2700893

## Accessories

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



Inline shield connector

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## Terminal marking

Insert strip - ESL 62X10 - 0809492

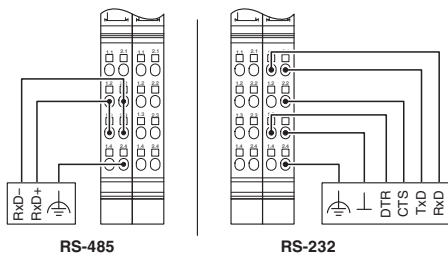


Insert strip, Sheet, white, unlabeled, can be labeled with: Office printing systems, Plotter: Laser printer, Mounting type: Insert, Lettering field: 62 x 10 mm

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## Drawings

Connection diagram



Dimensioned drawing

