

## Inline function terminal - IB IL RS 485/422-PAC - 2861933

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

### Product Description

The terminal is designed for use within an Inline station.  
The terminal can be used to operate standard I/O devices with serial interfaces on a bus system.

### Your advantages

- 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	
GTIN	4017918894627
Weight per Piece (excluding packing)	135.000 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	136.8 mm

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## Technical data

### Dimensions

Depth	71.5 mm
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### Connection data

Designation	Inline connector
Connection method	Spring-cage connection
Conductor cross section solid min.	0.08 mm <sup>2</sup>
Conductor cross section solid max.	1.5 mm <sup>2</sup>
Conductor cross section flexible min.	0.08 mm <sup>2</sup>
Conductor cross section flexible max.	1.5 mm <sup>2</sup>
Conductor cross section AWG min.	28
Conductor cross section AWG max.	16
Stripping length	8 mm

### Ambient conditions

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

### General

Mounting type	DIN rail
Color	green
Net weight	135 g

### Interfaces

Designation	Inline local bus
Connection method	Inline data jumper
Transmission speed	500 kbps
Interface	RS-422/-485
Connection method	Spring-cage connection
Transmission physics	Copper
Data bits	7 or 8
Stop bits	1 or 2
Input buffer	4 kByte
Output buffer	1 kByte

### Inline potentials

Designation	Communications power (U <sub>L</sub> )
Supply voltage	7.5 V DC (via voltage jumper)
Current consumption	typ. 170 mA

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## Technical data

### Inline potentials

	max. 260 mA (all connections of the serial interface are short-circuited)
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### 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

### Standards and Regulations

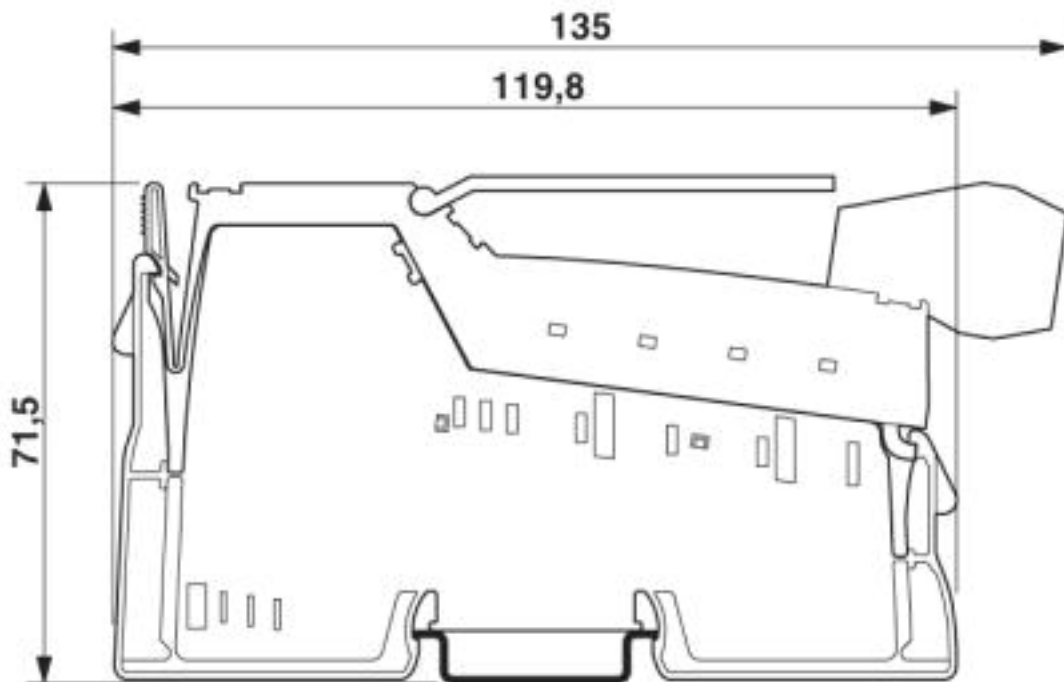
Connection in acc. with standard	CUL
Protection class	III (IEC 61140, EN 61140, VDE 0140-1)

### Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

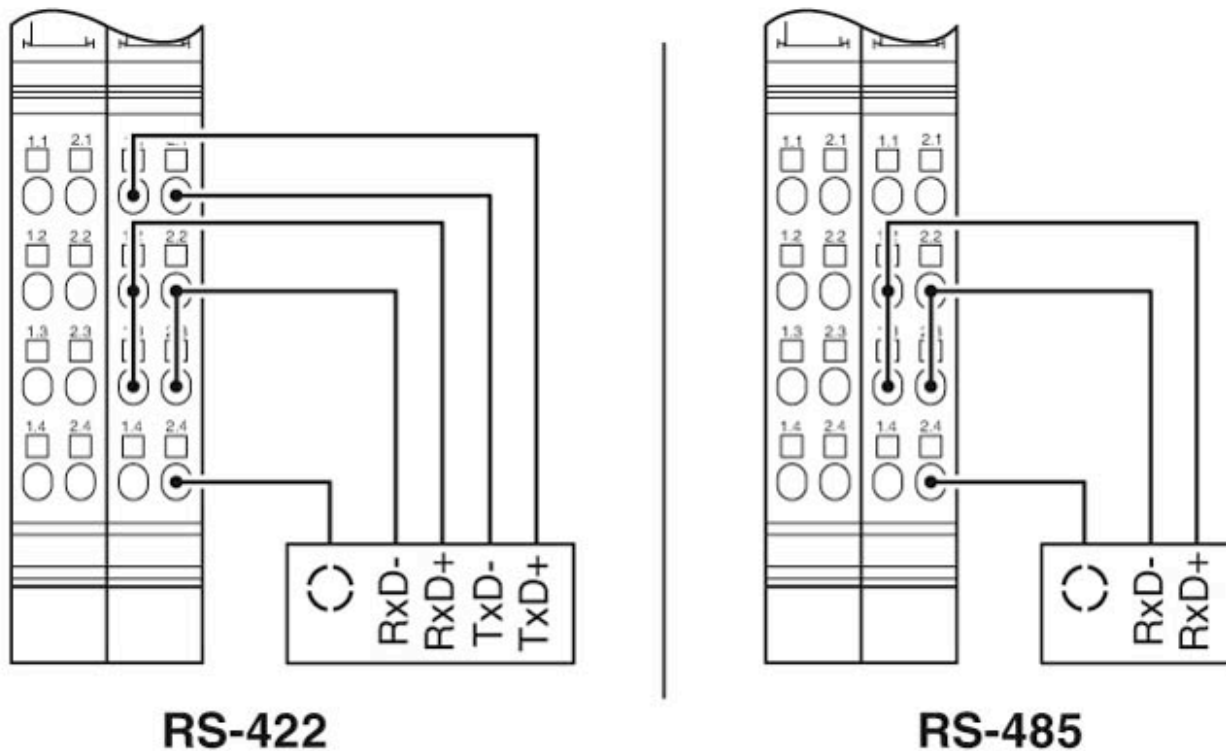
## Drawings

Dimensional drawing



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Connection diagram



## Classifications

### eCl@ss

eCl@ss 4.0	27250300
eCl@ss 4.1	27250300
eCl@ss 5.0	27250300
eCl@ss 5.1	27242600
eCl@ss 6.0	27242600
eCl@ss 7.0	27242605
eCl@ss 8.0	27242605
eCl@ss 9.0	27242605

### ETIM

ETIM 2.0	EC001434
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## Classifications

### ETIM

ETIM 3.0	EC001604
ETIM 4.0	EC001604
ETIM 5.0	EC001601
ETIM 6.0	EC001601
ETIM 7.0	EC001601

### UNSPSC

UNSPSC 6.01	43172015
UNSPSC 7.0901	43201404
UNSPSC 11	43172015
UNSPSC 12.01	43201404
UNSPSC 13.2	32151602
UNSPSC 18.0	32151602
UNSPSC 19.0	32151602
UNSPSC 20.0	32151602
UNSPSC 21.0	32151602

## Approvals

### Approvals

#### Approvals


DNV GL / BV / LR / ABS / BSH / RINA / UL Recognized / EAC

#### Ex Approvals

### Approval details




DNV GL		<a href="https://approvalfinder.dnvgl.com/">https://approvalfinder.dnvgl.com/</a>	TAA00000BN
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BV		<a href="http://www.veristar.com/portal/veristarinfo/generalinfo/approved/approvedProducts/equipmentAndMaterials">http://www.veristar.com/portal/veristarinfo/generalinfo/approved/approvedProducts/equipmentAndMaterials</a>	21595/B0 BV
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LR		<a href="http://www.lr.org/en">http://www.lr.org/en</a>	08/20033
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## Approvals

ABS		<a href="http://www.eagle.org/eagleExternalPortalWEB/">http://www.eagle.org/eagleExternalPortalWEB/</a>	17-HG1621871-PDA
BSH		<a href="http://www.bsh.de/de/index.jsp">http://www.bsh.de/de/index.jsp</a>	Anwenderhinweis
RINA		<a href="http://www.rina.org/en">http://www.rina.org/en</a>	ELE335818XG
UL Recognized		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	FILE E 140324
EAC			EAC-Zulassung

## Accessories

### Accessories

#### Connector set

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



Connector set

#### Labeling panel

Labeling field - IB IL FIELD 2 - 2727501

Labeling field, width: 12.2 mm



#### Plug

## Inline function terminal - IB IL RS 485/422-PAC - 2861933

### 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: Laser printer, mounting type: insert, lettering field size: 62 x 10 mm, Number of individual labels: 72