

# IB IL RS UNI-PAC - Communication module

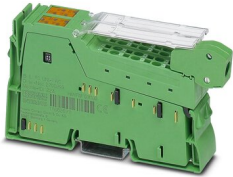


2700893

<https://www.phoenixcontact.com/in/products/2700893>

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Inline, Communication terminal, interface: RS-232, RS-485, RS-422, transmission speed in the local bus: 500 kbps, degree of protection: IP20, including Inline connectors and marking fields



## Product Description

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

## Your advantages

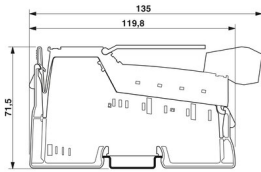
- A serial input and output channel in RS-232, RS-422, and RS-485 format
- Various protocols supported
- Transmission speed can be set up to 250000 bps
- Number of data bits, stop bits and parity can be set
- Parameterization via process data or PCP
- Process data width can be set via DIP switches: 7, 15 or 31 words

## Commercial Data

Item number	2700893
Packing unit	1 pc
Minimum order quantity	1 pc
Sales Key	DRI
Product Key	DRI151
Catalog Page	Page 148 (C-6-2019)
GTIN	4046356657129
Weight per Piece (including packing)	169.9 g
Weight per Piece (excluding packing)	135 g
Customs tariff number	85389099
Country of origin	DE

## Technical Data

### Dimensions

Dimensional drawing		
Width		24.4 mm
Height		135 mm
Depth		71.5 mm

### Notes

#### Utilization restriction

CCCex note	Use in potentially explosive areas is not permitted in China.
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### Material specifications

Color	green
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### Interfaces

#### Inline local bus

Number of interfaces	2
Connection method	Inline data jumper
Transmission speed	500 kbps

#### RS-232, RS-485, RS-422

Number of interfaces	1
Connection method	Spring-cage connection
Transmission speed	110 bps ... 250000 bps (can be parameterized)
Transmission physics	Copper
Data bits	5 ... 8
Stop bits	1 or 2
Input buffer	4 kByte
Output buffer	1 kByte

### System properties

#### Module

ID code (dec.)	223
ID code (hex)	DF
Length code (hex)	1F
Length code (dec)	31

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Process data channel	496 bit
Input address area	max. 62 Byte
Output address area	max. 62 Byte
Register length	64 Byte
Required parameter data	23 Byte
Required configuration data	5 Byte

## Product properties

Type	modular
Product type	I/O component
Product family	Inline
Scope of delivery	including Inline connectors and marking fields

## Insulation characteristics

Overvoltage category	II (IEC 60664-1, EN 60664-1)
Pollution degree	2 (IEC 60664-1, EN 60664-1)

## Electrical properties

Maximum power dissipation for nominal condition	max. 1.2 W
Power dissipation	max. 1.2 W (Within the permissible operating temperature)

## Potentials

Power consumption	max. 1.2 W (at $U_L$ and $U_M$ , within the permissible operating temperature)
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## Potentials: Communications power ( $U_L$ )

Supply voltage	7.5 V DC (via voltage jumper)
Current draw	max. 90 mA (all connections of the serial interface are short-circuited) typ. 78 mA
Power consumption	typ. 585 mW

## Potentials: Main circuit supply ( $U_M$ )

Supply voltage	24 V DC (via voltage jumper)
Current draw	max. 25 mA typ. 15 mA

## Connection data

### Connection technology

Connection name	Inline connector
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### Conductor connection

Connection method	Spring-cage connection
Conductor cross section rigid	0.08 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>
Conductor cross section flexible	0.08 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>
Conductor cross section AWG	28 ... 16
Stripping length	8 mm

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## Inline connector

Connection method	Spring-cage connection
Conductor cross section, rigid	0.08 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>
Conductor cross section, flexible	0.08 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>
Conductor cross section AWG	28 ... 16
Stripping length	8 mm

## Environmental and real-life conditions

### Ambient conditions

Ambient temperature (operation)	-25 °C ... 55 °C
Degree of protection	IP20
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)
Ambient temperature (storage/transport)	-25 °C ... 85 °C
Permissible humidity (operation)	10 % ... 95 % (non-condensing)
Permissible humidity (storage/transport)	10 % ... 95 % (non-condensing)

## Standards and regulations

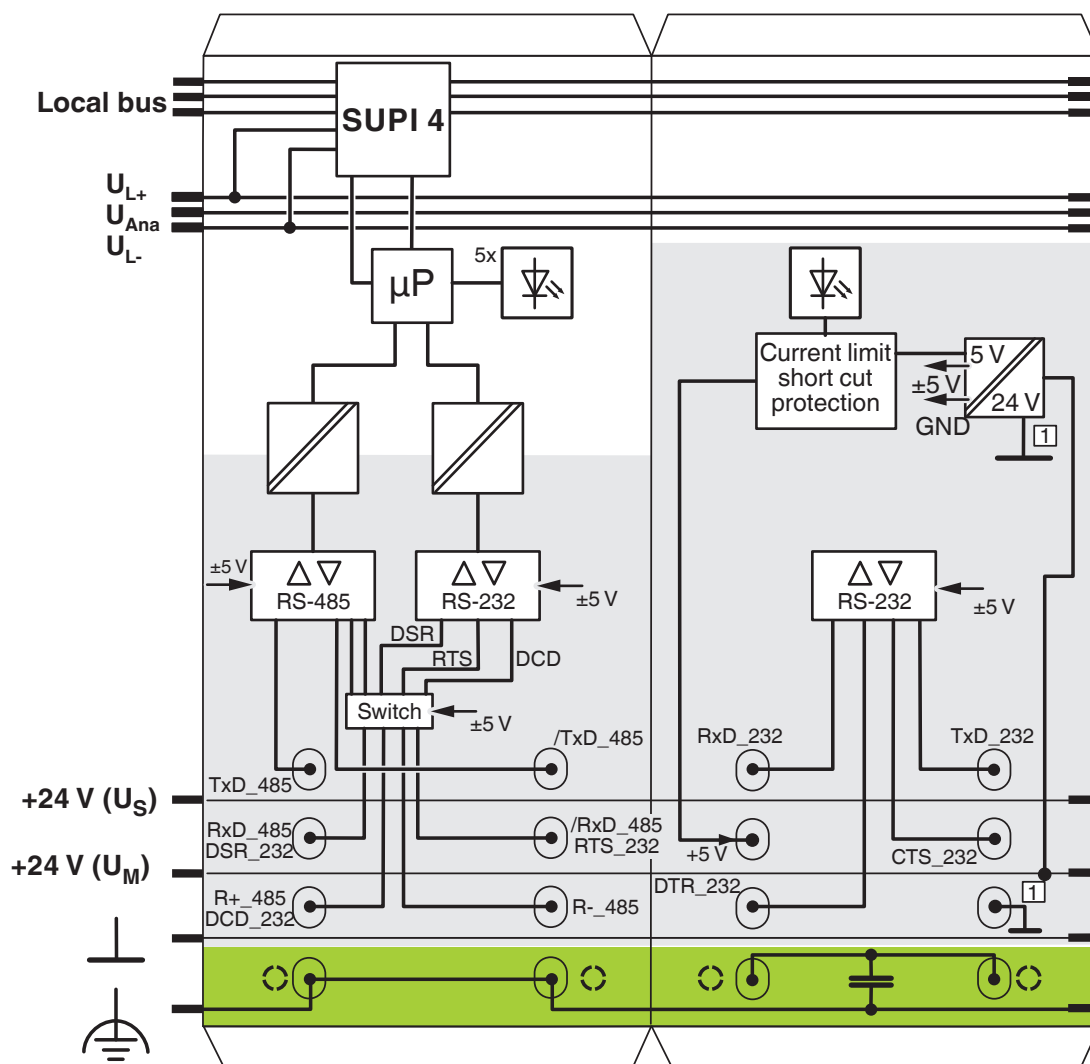
Protection class	III (IEC 61140, EN 61140, VDE 0140-1)
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## Mounting

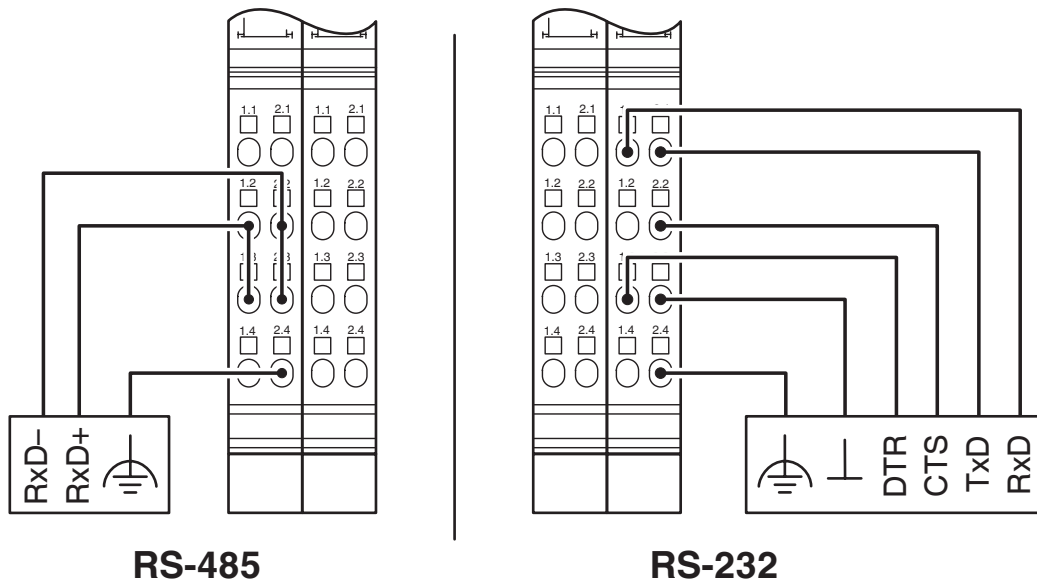
Mounting type	DIN rail mounting
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## Drawings

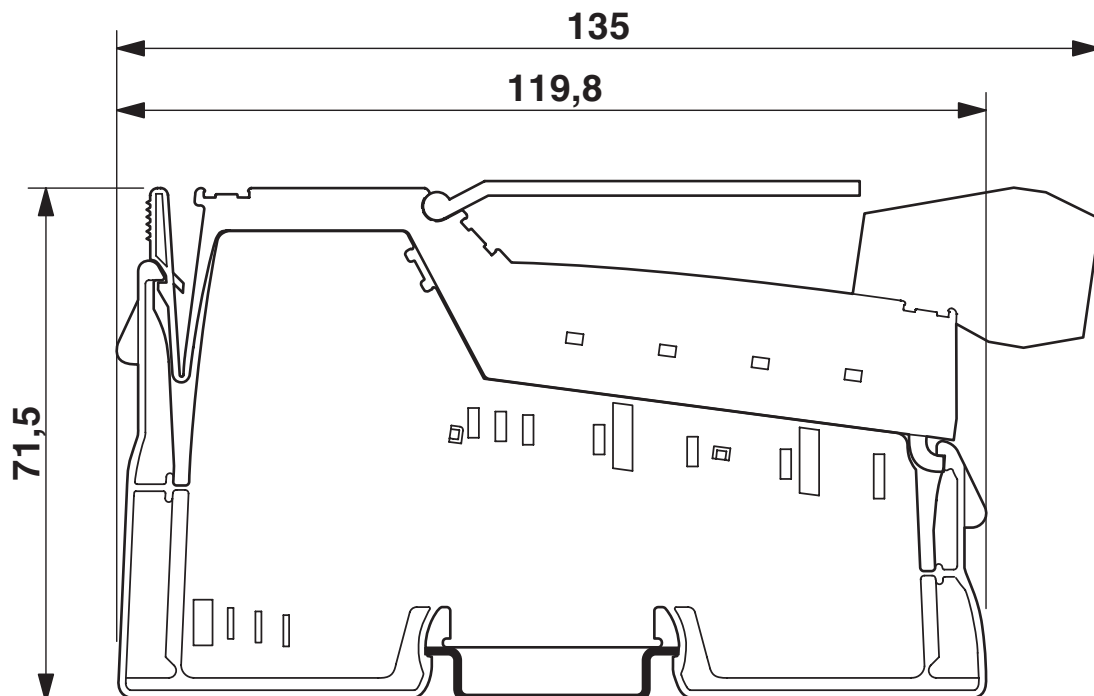
Block diagram



Connection diagram




Dimensional drawing





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## Approvals

 **UL Listed**  
Approval ID: FILE E 140324

 **cUL Listed**  
Approval ID: FILE E 140324

 **EAC**  
Approval ID: TR\_TS\_D\_01831-19

 **ATEX**  
Approval ID: PxCIF04ATEX2726298X

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## Classifications

### ECLASS

ECLASS-11.0	27242608
ECLASS-12.0	27242608
ECLASS-13.0	27242608

### ETIM

ETIM 8.0	EC001604
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### UNSPSC

UNSPSC 21.0	32151600
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## Accessories

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

2732664

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Connector set

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

2726353

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Inline shield connector

### IB IL FIELD 2 - Labeling field

2727501

<https://www.phoenixcontact.com/in/products/2727501>

Labeling field, width: 12.2 mm



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## ESL 62X10 - Insert strip

0809492

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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



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