

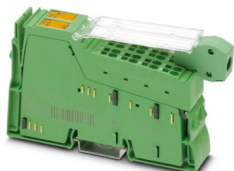
# IB IL RS 232-PAC - Communication module



2861357

<https://www.phoenixcontact.com/sg/products/2861357>

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Inline, Communication terminal, interface RS-232: 1, Communication via PCP, 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. The terminal can be used to operate standard I/O devices with serial interfaces on a bus system.

## Your advantages

- One serial RS-232 input and output channel
- Various protocols supported
- Transmission speed can be set up to 38400 bps
- Number of data bits, stop bits and parity can be set
- 4 kbyte receive buffer and 1 kbyte transmit buffer
- Parameterization and data exchange via PCP

## Commercial data

Item number	2861357
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	1141*
Product key	DRI151
Catalog page	Page 228 (C-8-2013)
GTIN	4017918894290
Weight per piece (including packing)	160.7 g
Weight per piece (excluding packing)	135 g
Customs tariff number	85389091
Country of origin	DE

# IB IL RS 232-PAC - Communication module

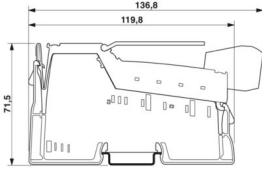


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## Technical data

### Dimensions

Dimensional drawing	
Width	24.4 mm
Height	136.8 mm
Depth	71.5 mm

### Interfaces

#### Inline local bus

Connection method	Inline data jumper
Transmission speed	500 kbps

#### RS-232

Number of interfaces	1
Connection method	Spring-cage connection
Transmission speed	110 bps ... 38400 bps (can be parameterized)
Transmission physics	Copper
Data bits	7 or 8
Stop bits	1 or 2
Input buffer	4 kByte
Output buffer	1 kByte

### System properties

#### Module

ID code (dec.)	220
ID code (hex)	DC
Length code (hex)	01
Length code (dec)	01
Process data channel	16 bit
Input address area	2 Byte
Output address area	2 Byte
Register length	6 Byte
Required parameter data	27 Byte
Required configuration data	5 Byte

### Product properties

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Product type	I/O component
Product family	Inline
Type	modular
Scope of delivery	including Inline connectors and marking fields
Special properties	Communication via PCP

## Electrical properties

Maximum power dissipation for nominal condition	5.4 W
Potentials: Communications power ( $U_L$ )	
Supply voltage	7.5 V DC (via voltage jumper)
Current draw	max. 225 mA (all connections of the serial interface are short-circuited)
	typ. 155 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

### 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
Ambient temperature (storage/transport)	-25 °C ... 85 °C
Permissible humidity (operation)	10 % ... 95 % (according to DIN EN 61131-2)
Permissible humidity (storage/transport)	10 % ... 95 % (according to DIN EN 61131-2)

## Standards and regulations

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

# IB IL RS 232-PAC - Communication module



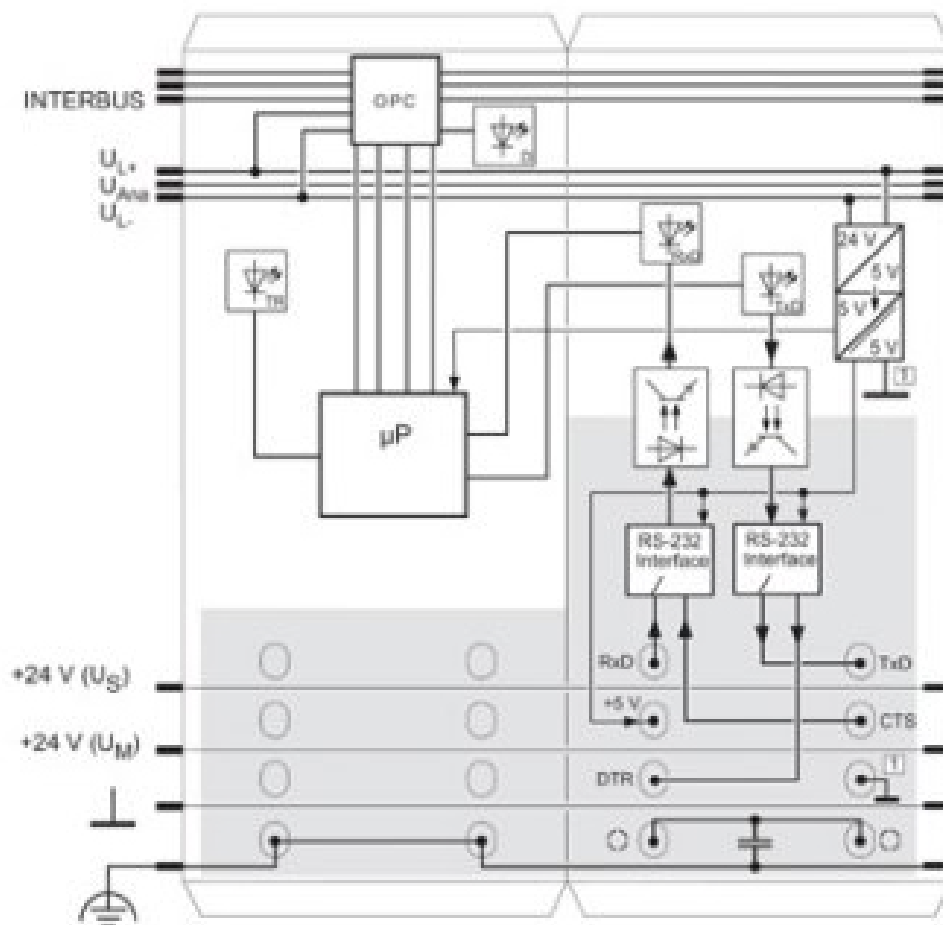
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Mounting type	DIN rail mounting
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## Drawings

Block diagram

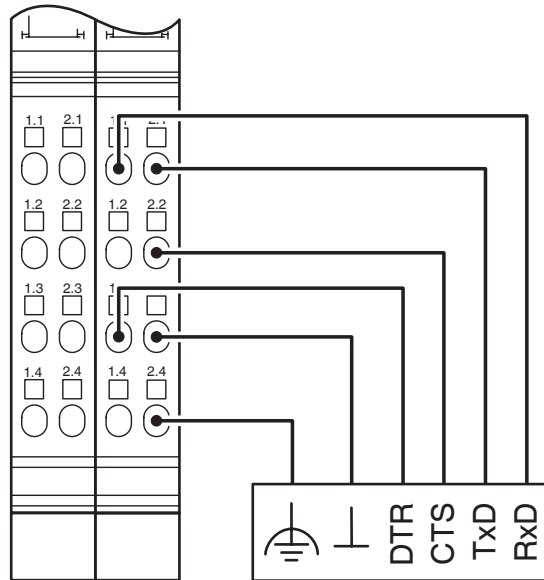


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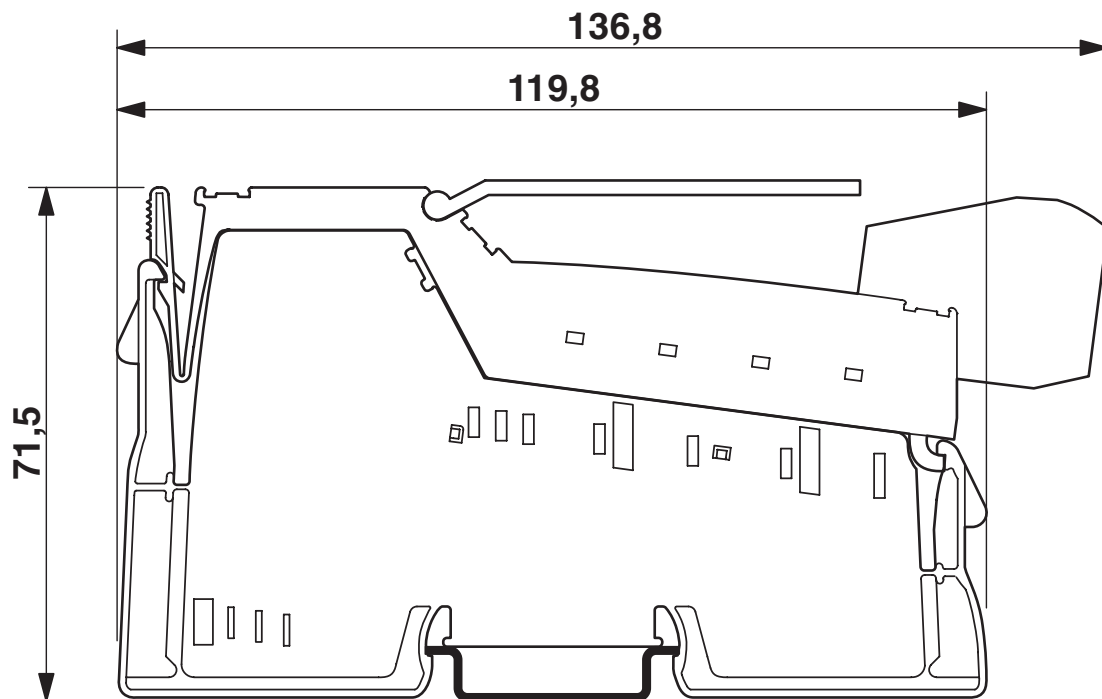
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Connection diagram



Dimensional drawing



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## Approvals

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**UL Recognized**

Approval ID: FILE E 140324



**DNV GL**

Approval ID: TAA00001KV



**LR**

Approval ID: LR23398855TA



**BV**

Approval ID: 21595/C0 BV



**RINA**

Approval ID: ELE121121XG

**ABS**

Approval ID: 22-2226444-PDA

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## Classifications

### ECLASS

ECLASS-11.0	27242605
ECLASS-12.0	27242605
ECLASS-13.0	27242608

### ETIM

ETIM 9.0	EC001601
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### UNSPSC

UNSPSC 21.0	32151600
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## Environmental product compliance

REACH SVHC

Lead 7439-92-1

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