

2862084

<https://www.phoenixcontact.com/us/products/2862084>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



Inline, Communication module, Serial data transmission; interface: RS-232: 1; Transmission speed: 110 bps ... 38400 bps; transmission speed in the local bus: 2 Mbps; degree of protection: IP20; Communication via PCP; Scope of supply: including Inline connectors and marking fields

## Product description

Inline terminals with "2 MBD" added to their item designation work with a transmission speed of 2 Mbps. These terminal blocks are discontinued or no longer in the range. If you require this transmission speed, please ask your local Phoenix Contact representative. If you can work with a transmission speed of 500 kbps, select as a replacement the corresponding variant that does not have "2MBD" added to its item designation. Please note that a uniform transmission speed must always be used within one inline station. 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

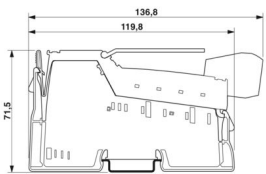
Item number	2862084
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	DR01
Product key	DRI151
GTIN	4017918974718
Weight per piece (including packing)	152.4 g
Weight per piece (excluding packing)	135 g
Customs tariff number	85389091
Country of origin	DE

2862084

<https://www.phoenixcontact.com/us/products/2862084>

## Technical data

### Dimensions

Dimensional drawing	
Width	24.4 mm
Height	136.8 mm
Depth	71.5 mm

### Notes

Note on application

Note on application	Only for industrial use
---------------------	-------------------------

### Material specifications

Color (Housing)	green (RAL 6021)
-----------------	------------------

### Interfaces

Inline local bus

Connection method	Inline data jumper
Transmission speed	2 Mbps

RS-232

Number of interfaces	1
Connection method	Spring-cage connection
Note on the connection method	Use shielded cables.
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

Programming data (LocalbusSlave)

Length code (hex)	01
ID code (dec.)	220
Length code (dec)	01
Process data channel	16 bit

2862084

<https://www.phoenixcontact.com/us/products/2862084>

Input address area	2 Byte
Output address area	2 Byte
Parameter channel (PCP)	4 Byte
Register length (bus)	48 bit

## Product properties

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

## 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	1.7 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. 165 mA

## Connection data

### Connection technology

Connection name	Inline connector
-----------------	------------------

### 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)

# IB IL RS 232-2MBD-PAC - Communication module



2862084

<https://www.phoenixcontact.com/us/products/2862084>

## Mechanical test

Vibration resistance in accordance with EN 60068-2-6/IEC 60068-2-6	5g
Shock in accordance with EN 60068-2-27/IEC 60068-2-27	25g

## Standards and regulations

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

## Mounting

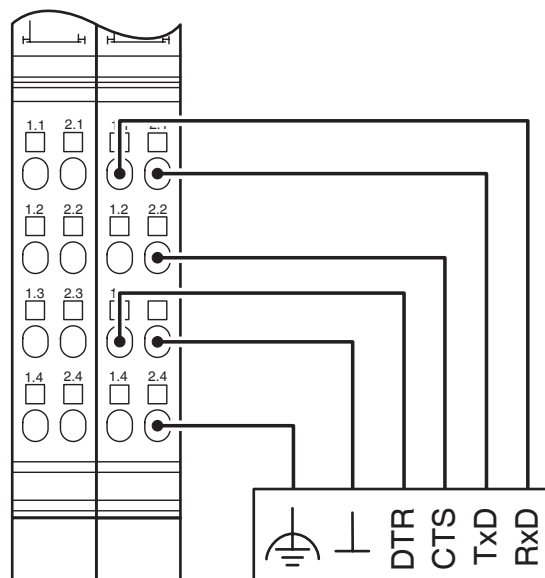
Mounting type	DIN rail mounting
---------------	-------------------

## Drawings

Dimensional drawing



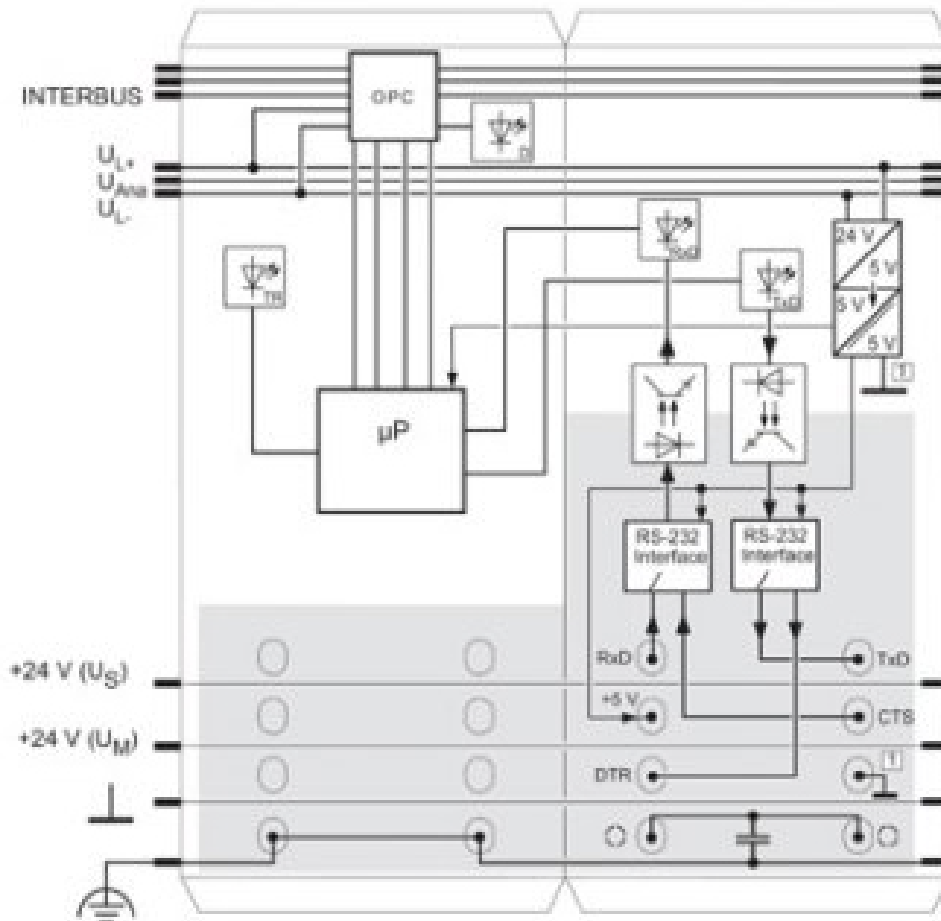
Connection diagram



2862084

<https://www.phoenixcontact.com/us/products/2862084>

Block diagram



2862084

<https://www.phoenixcontact.com/us/products/2862084>

## Classifications

### ECLASS

ECLASS-13.0	27242608
ECLASS-15.0	27242608

### ETIM

ETIM 10.0	EC001604
-----------	----------

### UNSPSC

UNSPSC 21.0	32151600
-------------	----------

2862084

<https://www.phoenixcontact.com/us/products/2862084>

## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	7(a), 7(c)-I

### China RoHS

Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.

### EU REACH SVHC

REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)
SCIP	9407b463-a6fd-4c22-8b2d-5495f53d534b

Phoenix Contact 2026 © - all rights reserved

<https://www.phoenixcontact.com>

Phoenix Contact USA  
586 Fulling Mill Road  
Middletown, PA 17057, United States  
(+717) 944-1300  
[info@phoenixcon.com](mailto:info@phoenixcon.com)