

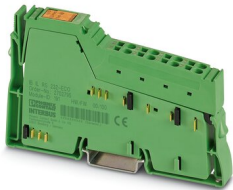
# Communication module - IB IL RS 232-ECO



2702795

<https://www.phoenixcontact.com/gb/products/2702795>

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Inline ECO, communication terminal, serial data transmission, 1 serial input and output channel in RS-232 format, 500 kbps transmission speed in the local bus, IP20 protection, including Inline connector

## Product Description

The terminal is designed for use within an Inline station. The terminal is used to operate standard I/O devices with serial interfaces on a bus system. Inline ECO terminals are approved for the temperature range from 0°C to +55°C. The electronics base and Inline connector are supplied as standard.

## Your advantages

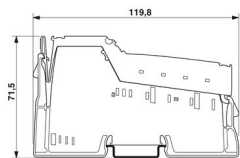
- One serial RS-232 input and output channel
- Data is transmitted in transparent mode
- Transmission speed can be set up to 38400 bps
- Number of data bits, stop bits and parity can be set
- RTS and CTS handshake signals available
- Parameterization via process data
- Diagnostic and status indicators

## Commercial Data

Item number	2702795
Packing unit	1 pc
Minimum order quantity	1 pc
Sales Key	DRI151
Product Key	DRI151
Catalog Page	Page 120 (C-6-2019)
GTIN	4055626351629
Weight per Piece (including packing)	82.93 g
Weight per Piece (excluding packing)	82.93 g
Customs tariff number	85389091
Country of origin	DE

## Technical Data

### Dimensions

Dimensional drawing	
Width	12.2 mm
Height	119.8 mm
Depth	71.5 mm

### Notes

#### Utilization restriction

EMC note	EMC: class A product, see manufacturer's declaration in the download area
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### Material specifications

Color	green
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### Interfaces

#### Inline local bus

Connection method	Inline data jumper
Transmission speed	500 kbps

#### RS-232

Connection method	Spring-cage connection
Transmission speed	110 bps ... 38400 bps (configurable)
Transmission physics	Copper
Data bits	6 ... 8
Stop bits	1 or 2
Input buffer	4 kByte
Output buffer	1 kByte

### System properties

#### Module

ID code (dec.)	191
ID code (hex)	BF
Length code (hex)	07
Length code (dec)	07
Process data channel	112 Bit

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Input address area	14 Byte
Output address area	14 Byte
Register length	112 Bit

## Product properties

Type	modular
Product type	I/O component

## Electrical properties

Potentials: Communications power ( $U_L$ )

Supply voltage	7.5 V DC (via voltage jumper)
Current draw	max. 90 mA
	typ. 70 mA
Power consumption	max. 675 mW (at $U_L$ )
	typ. 525 mW (at $U_L$ )

## Connection data

Connection technology

Connection name	Inline connector
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Conductor connection

Connection method	Spring-cage connection
Conductor cross section solid	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)	0 °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 % (according to DIN EN 61131-2)
Permissible humidity (storage/transport)	10 % ... 95 % (according to DIN EN 61131-2)

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## Standards and regulations

Protection class

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

## Mounting

Mounting type

DIN rail mounting

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## Classifications

### ECLASS

ECLASS-9.0	27242605
ECLASS-10.0.1	27242605
ECLASS-11.0	27242605

### ETIM

ETIM 8.0	EC001601
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### UNSPSC

UNSPSC 21.0	32151600
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