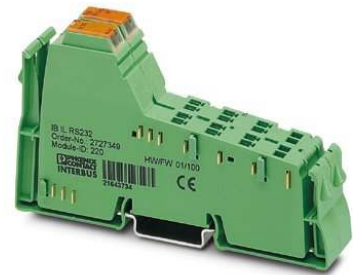



IB IL RS 232

Order No.: 2727349

<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2727349>

Inline RS-232 function terminal block, for serial data transmission, without accessories, 1 serial input and output channel in RS-232 design

Commercial data

GTIN (EAN)	 4 017918 168070
sales group	K413
Pack	1 pcs.
Customs tariff	85389091
Catalog page information	Page 88 (AX-2007)

Product notes

WEEE/RoHS-compliant since:
11/10/2008



<http://www.download.phoenixcontact.com>
Please note that the data given here has been taken from the online catalog. For comprehensive information and data, please refer to the user documentation. The General Terms and Conditions of Use apply to Internet downloads.

Product description

The IB IL RS-232 Inline function terminal allows almost every I/O device with a serial interface to operate on INTERBUS. Its integrated standard interface (RS-232) design is freely configurable.

Data can be transmitted with special protocols or in transparent mode. This allows parameter sets or text strings to be exchanged, without problems, through INTERBUS. The terminal is configured through INTERBUS.

The protocol types available for the user are:

- 3964R protocol
- Transparent protocol

- End-end protocol and
- Dual-buffer protocol

Parameters such as parity, data bits and stop bits can be set, as well as a transmission speed up to 19200 baud.

To avoid errors when exchanging data with the I/O device, handshaking is used as a procedure for the mutual signaling of "clear to receive" and "clear to send". The handshake can be wired or programmed as hardware or software handshake. The terminal also has a large transmit and receive buffer each with 4 kbyte in which data is stored temporarily.

The INTERBUS Inline function terminals can be labeled using hinged labeling fields. The fields have insert cards that can be labeled individually to suit the application. Additionally, there is the ZB-FM-6... Zack strip for labeling the terminal points.

Technical data

Interfaces

Interface	Inline local bus
Type of connection	Inline data jumper
Transmission speed	500 kBit/s
Interface	Serial RS-232
Type of connection	Spring-cage connection
Transmission speed	110 Bit/s ... 38400 Bit/s (configurable)

Power supply

Typical current consumption	155 mA
I/O voltage	24 V DC (via voltage jumper)
Peripherals voltage range	19.2 V DC ... 30 V DC (including all tolerances, including ripple)

Electrical isolation

Test section	5 V supply, incoming remote bus/7.5 V supply (bus logics) 500 V AC 50 Hz 1 min
	5 V supply, outgoing remote bus/7.5 V supply (bus logics) 500 V AC 50 Hz 1 min
	RS-232 interface / 7.5 V supply (bus logics) 500 V AC 50 Hz 1 min
	RS-232 interface / 24 V supply (I/O) 500 V AC 50 Hz 1 min
	RS-232 interface / functional earth ground 500 V AC 50 Hz 1 min
	7.5 V supply (bus logics)/24 V supply (I/O) 500 V AC 50 Hz 1 min
	7.5 V supply (bus logics) / functional earth ground 500 V AC 50 Hz 1 min
	24 V supply (I/O) / functional earth ground 500 V AC 50 Hz 1 min

Serial input/output channel

Input buffer	4 kByte
Output buffer	1 kByte
Transmission speed	500 kBit/s
Parity	Even, odd or no parity
Data bits	7 or 8
Stop bits	1 or 2
Transmission type	Transparent mode, end-end mode, dual buffer mode, 3964R, XON/XOFF

General data

Weight	95 g
Number of connectors	2
Width	24.4 mm
Height	119.8 mm
Depth	71.5 mm

Inline potential routing

Communications power U_L	7.5 V DC (via voltage jumper)
Current consumption from U_L	Typ. 155 mA
	max. 225 mA (all connections of the serial interface are short-circuited)

Certificates / Approvals



Certification

ABS, BV, CUL, DNV, GL, GOST, LR, UL

Accessories

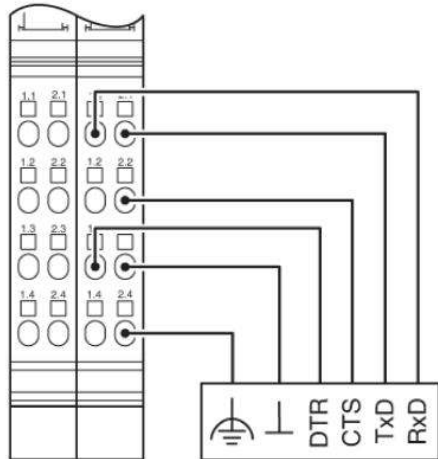
Item	Designation	Description
Marking		
0809492	ESL 62X10	Insert strip for laser printer, lettering field: 62 x 10 mm
2727501	IB IL FIELD 2	Labeling field, width: 12.2 mm

Plug/Adapter

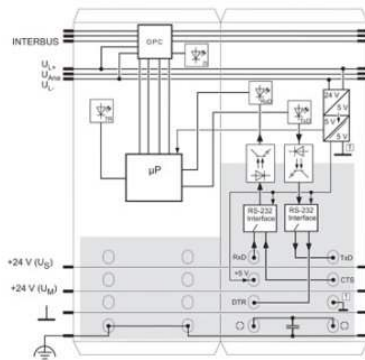
2732664	IB IL AO/CNT-PLSET	Connector set
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Diagrams/Drawings

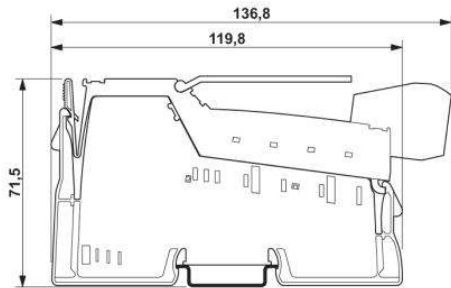
Connection diagram



Block diagram



Dimensioned drawing



Address

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