

# IBS ECO-LINK - Termination board

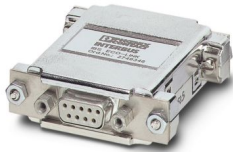


2746346

<https://www.phoenixcontact.com/us/products/2746346>

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INTERBUS Master Interface including: - Driver software for DOS and Windows - User documentation in German and English - Monitor programs - Cable for the power supply



## Product description

IBS ECO-LINK is a different approach for the use of the INTERBUS system on IBM-compatible PCs. IBS ECO-LINK is an inexpensive solution which offers easy handling for simple control tasks. The user has almost immediate success, since the signals of the peripherals are made available in the PC without any great effort.

IBS ECO-Link is ideally suited for startup and servicing purposes. In addition, the IBS ECO-LINK can also be used for measurement value acquisition, e.g. when using portable computers, as a control unit for uncomplicated machines and small systems. Bus operation and protocol handling are carried out by the PC. IBS ECO-LINK is connected to the serial interface of the PC, making the performance of the system very dependent on the type of processor used and its workload.

The driver software for Windows and DOS is an integral part of the product, just as the sample programs and a monitor are, but it does not have to be installed separately as the serial drivers of the operating system are used. The latest particular version can be found on our web site. The driver allows you to create powerful INTERBUS applications using C, C++, Delphi or Visual Basic quickly and easily.

## Commercial data

Item number	2746346
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	DR14
Product key	DRECAA
GTIN	4017918174095
Weight per piece (including packing)	157.2 g
Weight per piece (excluding packing)	157.2 g
Customs tariff number	85389091
Country of origin	DE

## Technical data

### Product properties

Product type	Master module
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### System properties

Control system	All computer systems with a serial interface
Operating system	Windows 2000
	Windows 95/98
	Windows NT
	Windows XP
	DOS

### INTERBUS-Master

Amount of process data	4096 Byte (256 words (4096 binary inputs/outputs))
Number of parameter data	62 Byte (in preparation)
Number of devices with parameter channel	62

### INTERBUS-Slave

Type	INTERBUS master
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### Local diagnostics

Optical representation	Operating status LED (power supply, V.24 communication)
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### Module

Protocol chip	IBS-UART
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### Functionality

Control system	All computer systems with a serial interface
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### System requirements

Application interface	ECO-LINK API
Driver	Windows 2000
	Windows 95/98
	Windows NT
	Windows XP
	DOS

### Electrical properties

Local diagnostics	Operating status LED (power supply, V.24 communication)
Transmission medium	Copper
Maximum power dissipation for nominal condition	max. 0.55 W

### Supply

Supply voltage	5 V DC 5 %
Power supply connection	3-pos. circular connector, via external voltage supply
Typical current consumption	typ. 110 mA (all inputs static, outputs unused)

## Input data

### Counter:

Number of inputs	0
Input frequency	0 kHz

## Output data

### Pulse direction

Number of pulse direction outputs	0
Limit frequency	0 kHz

## Interfaces

User interface	V.24, 1 start bit, 2 stop bits, 8 data bits, even parity, max. baud rate: 115.2 kbps
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### Control system

Connection method	Serial interface (V.24), data backup, parity (even)
Transmission speed	max. 115,2 kBit/s

### INTERBUS remote bus

Connection method	9-pos. D-SUB socket
Transmission speed	500 kbps / 2 Mbps2 Mbps (can be switched)

### Parameterization/operation/diagnostics

Connection method	Socket driver, diagnostics LED
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## Dimensions

Width	18 mm
Height	56 mm
Depth	65 mm

## Environmental and real-life conditions

### Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	0 °C ... 55 °C
Ambient temperature (storage/transport)	-40 °C ... 85 °C
Permissible humidity (operation)	5 % (95 % infrequently, non-condensing)
Permissible humidity (storage/transport)	5 % (95% infrequently, no condensation)
Air pressure (operation)	860 hPa ... 1080 kPa (up to 3000 m above sea level)
Air pressure (storage/transport)	860 hPa ... 1080 kPa (up to 3000 m above sea level)

## Mounting

Mounting type	In the host system
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## Classifications

### UNSPSC

UNSPSC 21.0	39122114
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## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	6(c), 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)
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