

Termination board - IBS ECO-LINK - 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.



Key commercial data

Packing unit	1 PCE
Weight per Piece (excluding packing)	146.1 GRM
Custom tariff number	85389091
Country of origin	Germany

Technical data

Note:

Utilization restriction	EMC: class A product, see manufacturer's declaration in the download area
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Dimensions

Width	18 mm
Height	56 mm
Depth	65 mm

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Technical data

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, no condensation)
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)

Control system

Control system	All computer systems with a serial interface
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Mechanical design

Weight	115 g
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Data interfaces

Interface	Control system
Connection method	Serial interface (V.24), data backup, parity (even)
Transmission speed	max. 115,2 kBit/s
Interface	INTERBUS remote bus
Connection method	9-pos. D-SUB socket
Interface	Parameterization/operation/diagnostics
Connection method	Socket driver, diagnostics LED
User interface	V.24, 1 start bit, 2 stop bits, 8 data bits, even parity, max. baud rate: 115.2 kbps

Power supply

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

Fieldbus function

Amount of process data	4096 Byte ()
Number of parameter data	62 Byte (in preparation)
Number of supported devices	512 ()
Number of devices with parameter channel	62
Module classification	INTERBUS master
Protocol chip	IBS-UART

Local diagnostics

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

eCl@ss

eCl@ss 4.0	27250201
eCl@ss 4.1	27250201
eCl@ss 5.0	27250203
eCl@ss 5.1	27249201
eCl@ss 6.0	27242605
eCl@ss 7.0	27242605
eCl@ss 8.0	27242605

ETIM

ETIM 2.0	EC001433
ETIM 3.0	EC001601
ETIM 4.0	EC001601
ETIM 5.0	EC001601

UNSPSC

UNSPSC 6.01	43172015
UNSPSC 7.0901	43201404
UNSPSC 11	43172015
UNSPSC 12.01	43201404
UNSPSC 13.2	43201404

Approvals

Approvals

Approvals

GOST

Ex Approvals

Approvals submitted

Approval details

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Approvals



Accessories

Accessories

Adapter

Adapter set - PSM-VLTG-USB/PS2/0,5 - 2708025



Adapter set with 0.5 m cable, to supply the PSI Bluetooth RS-232 adapter from a USB or PS2 interface

Adapter cable

Data cable - PSM-KA 9 SUB/SB/1METER - 2799788



V.24 cable, for the connection to IBS ECO-LINK

Drivers and interfaces

Driver - IBS UART SDS - 2746443



Socket driver source code for IBS ECO-LINK and master protocol chip IBS UART (software and documentation D/GB)