

I/O module - ILB IB 24 DI16 - 2862330

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Inline Block I/O digital input module, INTERBUS, 16 inputs, 24 V DC, 2, 3-wire connection technology




Why buy this product

- ✓ 16 digital inputs
- ✓ Connection of sensors in 2 and 3-wire technology
- ✓ Maximum permissible load current per sensor: 125 mA
- ✓ Diagnostic and status indicators



Key Commercial Data

Packing unit	1 pc
GTIN	 4 017918 943066
Weight per Piece (excluding packing)	300.0 g
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	95 mm
Height	140.5 mm
Depth	57 mm
Note on dimensions	Specifications with connectors

Ambient conditions

Ambient temperature (operation)	-25 °C ... 60 °C
Ambient temperature (storage/transport)	-25 °C ... 85 °C

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Ambient conditions

Permissible humidity (operation)	max. 85 % ((non-condensing))
Permissible humidity (storage/transport)	95 % (non-condensing)
Air pressure (operation)	80 kPa ... 108 kPa (up to 2000 m above mean sea level)
Air pressure (storage/transport)	66 kPa ... 108 kPa (up to 3500 m above mean sea level)
Degree of protection	IP20

General

Net weight	300 g
Note on weight specifications	with connectors
Mounting type	DIN rail
Protection class	III, IEC 61140, EN 61140, VDE 0140-1
Test section	I/Os / incoming remote bus 500 V AC 50 Hz 1 min
	I/Os / outgoing remote bus 500 V AC 50 Hz 1 min
	I/O area / FE 500 V AC 50 Hz 1 min
	Incoming remote bus / FE 500 V AC 50 Hz 1 min
	Outgoing remote bus / FE 500 V AC 50 Hz 1 min
	Incoming remote bus / outgoing remote bus 500 V AC 50 Hz 1 min
Conformance with EMC directives	EN55022:1998+A1:2000 Class B
Noise emission	Class B (residential)
Mechanical tests	Vibration resistance in acc. with EN 60068-2-6/IEC 60068-2-6 5g
	Shock in acc. with EN 60068-2-27/IEC 60068-2-27 25g

Interfaces

Fieldbus system	INTERBUS
Designation	INTERBUS
Connection method	Inline connector
Transmission speed	500 kBit/s

Power supply for module electronics

Supply voltage	24 V DC
Supply voltage range	19.2 V DC ... 30 V DC (including all tolerances, including ripple)
Supply current	80 mA
Current consumption	approx. 80 mA

Digital inputs

Input name	Digital inputs
Connection method	Spring-cage connection
	2, 3-wire
Number of inputs	16 (EN 61131-2 type 1)
Typical response time	approx. 500 µs
Protective circuit	Short-circuit protection, overload protection of the sensor supply
Input voltage	24 V DC
Input voltage range "0" signal	-30 V DC ... 5 V DC

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Digital inputs

Input voltage range "1" signal	15 V DC ... 30 V DC
Nominal input current at U _{IN}	5 mA

Classifications

eCl@ss

eCl@ss 4.0	27250302
eCl@ss 4.1	27250302
eCl@ss 5.0	27250302
eCl@ss 5.1	27242604
eCl@ss 6.0	27242604
eCl@ss 7.0	27242604
eCl@ss 8.0	27242604

ETIM

ETIM 2.0	EC001430
ETIM 3.0	EC001599
ETIM 4.0	EC001599
ETIM 5.0	EC001599

UNSPSC

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

Approvals

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UL Recognized / cUL Recognized / INTERBUS CLUB / cULus Recognized

Ex Approvals


UL Listed / cUL Listed / cULus Listed

Approvals submitted

I/O module - ILB IB 24 DI16 - 2862330

Approvals

Approval details

UL Recognized 

cUL Recognized 

INTERBUS CLUB

cULus Recognized 

Accessories

Accessories

End block

End clamp - CLIPFIX 35-5 - 3022276



Quick mounting end clamp for NS 35/7,5 DIN rail or NS 35/15 DIN rail, with marking option, with parking option for FBS...5, FBS...6, KSS 5, KSS 6, width: 5.15 mm, color: gray

Labeling panel

Labeling field - IB IL FIELD 2 - 2727501

Labeling field, width: 12.2 mm



Plug

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Accessories

Inline connector - IB IL SCN-PWR IN-CP - 2727637



Connector, colored, for Inline power and segment terminal blocks

Inline connector - IB IL SCN-12-ICP - 2727611



Connector, color coded, for digital 4, or 16-channel Inline input terminals

Inline shield connector - IB IL SCN-6 SHIELD-CP - 2863151



Shield connector, for INTERBUS connection

Terminal marking

Insert strip - ESL 62X10 - 0809492



Insert strip, Sheet, white, unlabeled, can be labeled with: Office printing systems, Plotter: Laser printer, Mounting type: Insert, Lettering field: 62 x 10 mm

Flat zack marker sheet - ZBFM 6/WH:UNBEDRUCKT - 0803618

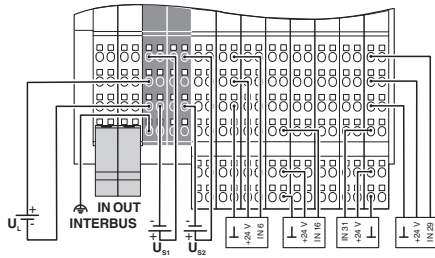


Flat zack marker sheet, Sheet, white, unlabeled, can be labeled with: Plotter, Mounting type: Snap into flat marker groove, for terminal block width: 6.2 mm, Lettering field: 5 x 5.5 mm

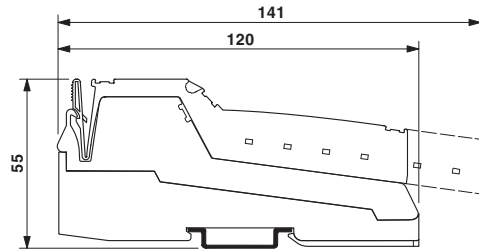
Drawings

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Connection diagram



Dimensional drawing



The illustration shows the general dimensional drawing of the Inline Block I/O product family