

I/O module - ILB IB 24 DI16

2862330

<https://www.phoenixcontact.com/us/products/2862330>



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Inline, Block IO, INTERBUS, Inline shield connector, Digital inputs: 16, 24 V DC, connection technology: 3-conductor, degree of protection: IP20, including Inline connector



Your advantages

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

Commercial Data

Item number	2862330
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to Order (non-returnable)
Sales Key	C21
Product Key	DRI1A1
Catalog Page	Page 222 (C-8-2015)
GTIN	4017918943066
Weight per Piece (including packing)	353.4 g
Weight per Piece (excluding packing)	300 g
Customs tariff number	85389091
Country of origin	DE

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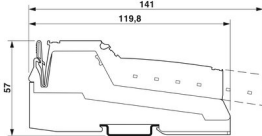
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Technical Data

Dimensions

Dimensional drawing	
Width	95 mm
Height	141 mm
Depth	57 mm
Note on dimensions	Specifications with connectors

Material specifications

Color	green
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Interfaces

INTERBUS

Connection method	Inline shield connector
Transmission speed	500 kbps

Input data

Digital

Input name	Digital inputs
Description of the input	EN 61131-2 type 1
Number of inputs	16
Connection method	Spring-cage connection
Connection technology	3-conductor
Input voltage	24 V DC
Input voltage range "0" signal	-30 V DC ... 5 V DC
Input voltage range "1" signal	15 V DC ... 30 V DC
Nominal input voltage U_{IN}	24 V DC
Nominal input current at U_{IN}	5 mA
Typical response time	approx. 500 μ s
Protective circuit	Short-circuit protection, overload protection of the sensor supply

Product properties

Type	Block design
	Inline
Product type	I/O component
Scope of delivery	including Inline connector

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No. of channels	16
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Electrical properties

No. of channels	16
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Potentials: Communications power (U_L)

Supply voltage	24 V DC
Supply voltage range	19.2 V DC ... 30 V DC (including all tolerances, including ripple)
	max. 8 A
Current draw	60 mA

Potentials: Sensor supply (U_S)

Supply voltage	24 V DC
Supply voltage range	19.2 V DC ... 30 V DC (including all tolerances, including ripple)
	max. 8 A
Current draw	2 A

Potentials

	max. 8 A
Current draw	60 mA

Potentials

	max. 8 A
Current draw	2 A

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 ² ... 1.5 mm ²
Conductor cross section flexible	0.08 mm ² ... 1.5 mm ²
Conductor cross section AWG	28 ... 16
Stripping length	8 mm

Inline connector

Connection method	Spring-cage connection
Conductor cross section, rigid	0.08 mm ² ... 1.5 mm ²
Conductor cross section, flexible	0.08 mm ² ... 1.5 mm ²
Conductor cross section AWG	28 ... 16
Stripping length	8 mm

Ambient conditions

Ambient temperature (operation)	-25 °C ... 60 °C
Degree of protection	IP20
Air pressure (operation)	80 kPa ... 108 kPa (up to 2000 m above sea level)

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Air pressure (storage/transport)	66 kPa ... 108 kPa (up to 3500 m above sea level)
Ambient temperature (storage/transport)	-25 °C ... 85 °C
Permissible humidity (operation)	max. 85 % (non-condensing)
Permissible humidity (storage/transport)	95 % (non-condensing)

Standards and regulations

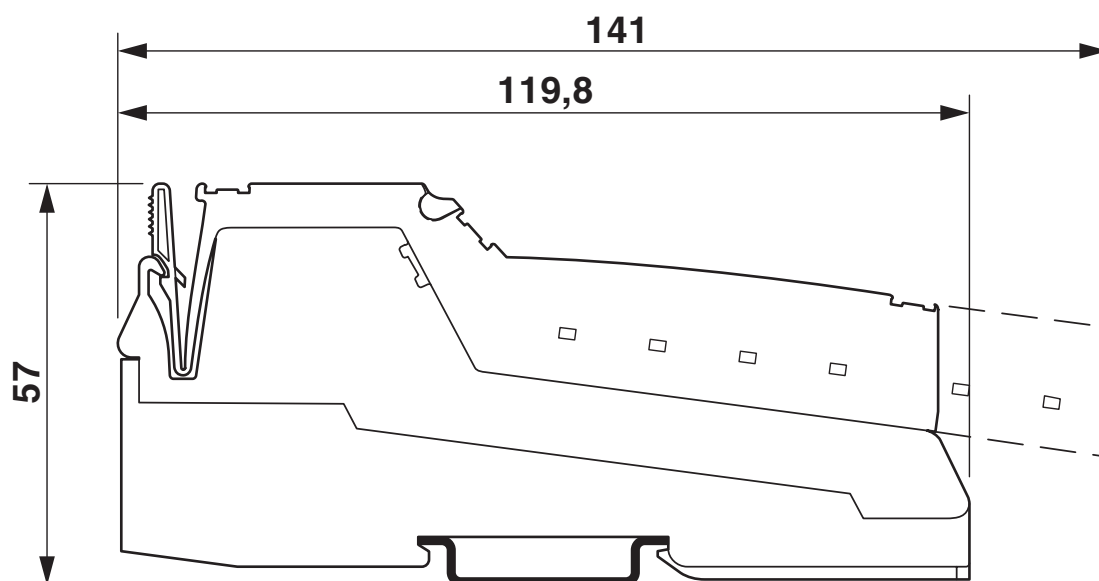
Protection class	III (IEC 61140, EN 61140, VDE 0140-1)
Noise emission	Class B (residential)

Mounting

Mounting type	DIN rail mounting
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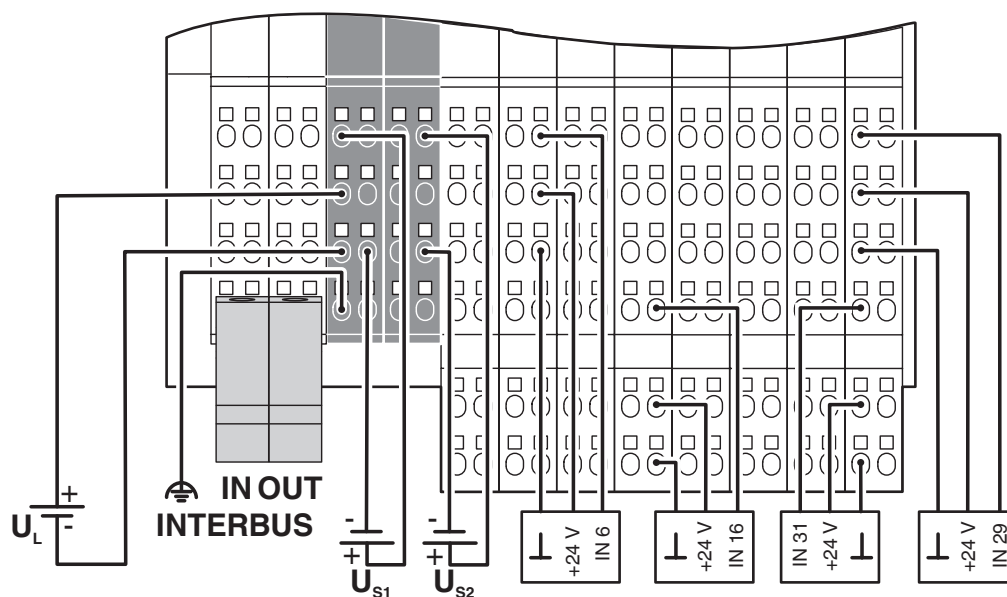
Drawings

Dimensional drawing



The figure shows the general dimensional drawing of the Inline Block IO product family

Connection diagram



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Classifications

ECLASS

ECLASS-9.0	27242604
ECLASS-10.0.1	27242604

ETIM

ETIM 7.0	EC001599
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UNSPSC

UNSPSC 21.0	32151602
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Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

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Accessories

Inline connector

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

<https://www.phoenixcontact.com/us/products/2727637>



Connector, colored, for Inline power and segment terminal blocks

Inline connector

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

<https://www.phoenixcontact.com/us/products/2727611>



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

Inline shield connector

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

<https://www.phoenixcontact.com/us/products/2863151>



Shield connector, for INTERBUS connection

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End clamp

End clamp - CLIPFIX 35-5 - 3022276

<https://www.phoenixcontact.com/us/products/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 field

Labeling field - IB IL FIELD 2 - 2727501

<https://www.phoenixcontact.com/us/products/2727501>



Labeling field, width: 12.2 mm

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Insert strip

Insert strip - ESL 62X10 - 0809492

<https://www.phoenixcontact.com/us/products/0809492>

Insert strip, Sheet, white, unlabeled, can be labeled with: Office printing systems: Laser printer, mounting type: insert, lettering field size: 62 x 10 mm, Number of individual labels: 72



Flat zack marker sheet

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

<https://www.phoenixcontact.com/us/products/0803618>

Flat zack marker sheet, Sheet, white, unlabeled, can be labeled with: CMS-P1-PLOTTER, PLOTMARK, mounting type: snapped, for terminal block width: 6.2 mm, lettering field size: 5 x 5.5 mm, Number of individual labels: 100



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