

ILB IB 24 DO32 - I/O module

2862369

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Inline, Block IO, INTERBUS, Inline shield connector, Digital outputs: 32, 24 V DC, connection technology: 3-conductor, degree of protection: IP20, including Inline connector



Your advantages

- 32 digital outputs
- Connection of actuators in 2- and 3-conductor technology
- Nominal current per output: 500 mA
- Total current of the terminal: 16 A
- Short-circuit and overload-protected outputs
- Diagnostic and status indicators

Commercial data

Item number	2862369
Packing unit	1 pc
Sales key	DR01
Product key	DRI1A1
Catalog page	Page 164 (C-6-2019)
GTIN	4017918923846
Weight per piece (including packing)	566.3 g
Weight per piece (excluding packing)	510 g
Customs tariff number	85389091
Country of origin	DE

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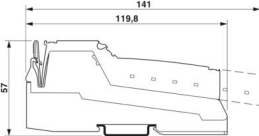
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Technical data

Dimensions

Dimensional drawing	
Width	156 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

Output data

Digital:	
Output name	Digital outputs
Connection method	Spring-cage connection
Connection technology	3-conductor
Number of outputs	32
Protective circuit	Short-circuit and overload protection
Output voltage	24 V DC
Maximum output current per channel	500 mA
Maximum output current per module / terminal block	16 A
Maximum output current per module	16 A
Nominal output voltage	24 V DC
Nominal load, inductive	12 VA
Nominal load, lamp	12 W
Nominal load, ohmic	12 W

Product properties

Product type	I/O component
Product family	Inline
Type	Block design

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Scope of delivery	including Inline connector
No. of channels	32

Electrical properties

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)
Current draw	85 mA

Potentials: Power supply to the actuator (U_{A1})

Supply voltage	24 V DC
Supply voltage range	19.2 V DC ... 30 V DC (including all tolerances, including ripple)
Current draw	4 A

Potentials: Power supply to the actuator (U_{A2})

Supply voltage	24 V DC
Supply voltage range	19.2 V DC ... 30 V DC (including all tolerances, including ripple)
Current draw	4 A

Potentials: Power supply to the actuator (U_{A3})

Supply voltage	24 V DC
Supply voltage range	19.2 V DC ... 30 V DC (including all tolerances, including ripple)
Current draw	4 A

Potentials: Power supply to the actuator (U_{A4})

Supply voltage	24 V DC
Supply voltage range	19.2 V DC ... 30 V DC (including all tolerances, including ripple)
Current draw	4 A

Potentials

Current draw	85 mA
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Electrical isolation/isolation of the voltage ranges

Test voltage: I/Os / incoming remote bus	500 V AC, 50 Hz, 1 min.
Test voltage: I/Os / outgoing remote bus	500 V AC, 50 Hz, 1 min.
Test voltage: I/O area / FE	500 V AC, 50 Hz, 1 min.
Test voltage: Incoming remote bus / FE	500 V AC, 50 Hz, 1 min.
Test voltage: Outgoing remote bus / FE	500 V AC, 50 Hz, 1 min.
Test voltage: Incoming remote bus / outgoing remote bus	500 V AC, 50 Hz, 1 min.

Connection data

Connection technology

Connection name	Inline connector
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Conductor connection

Connection method	Spring-cage connection
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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

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

Environmental and real-life conditions

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)
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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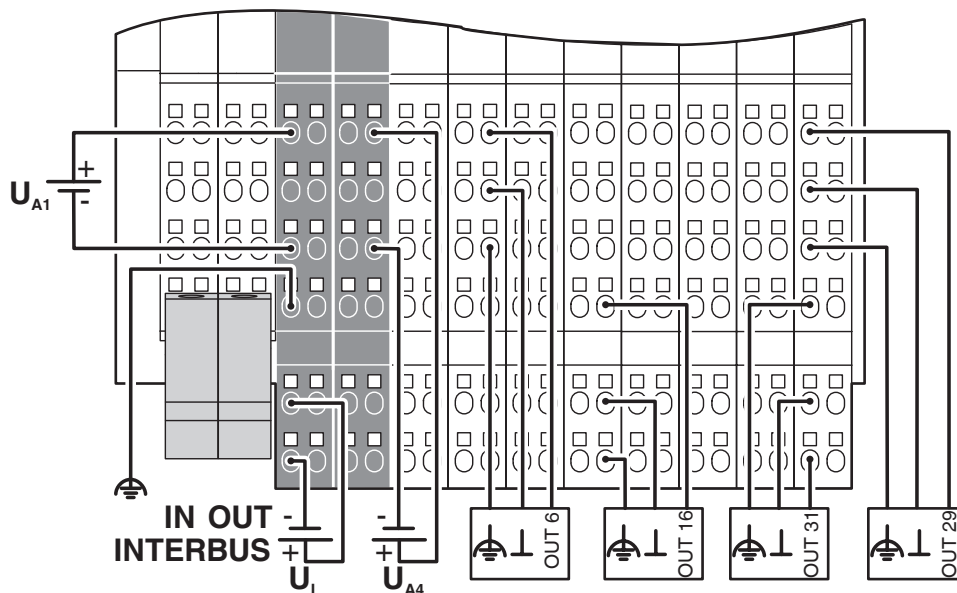
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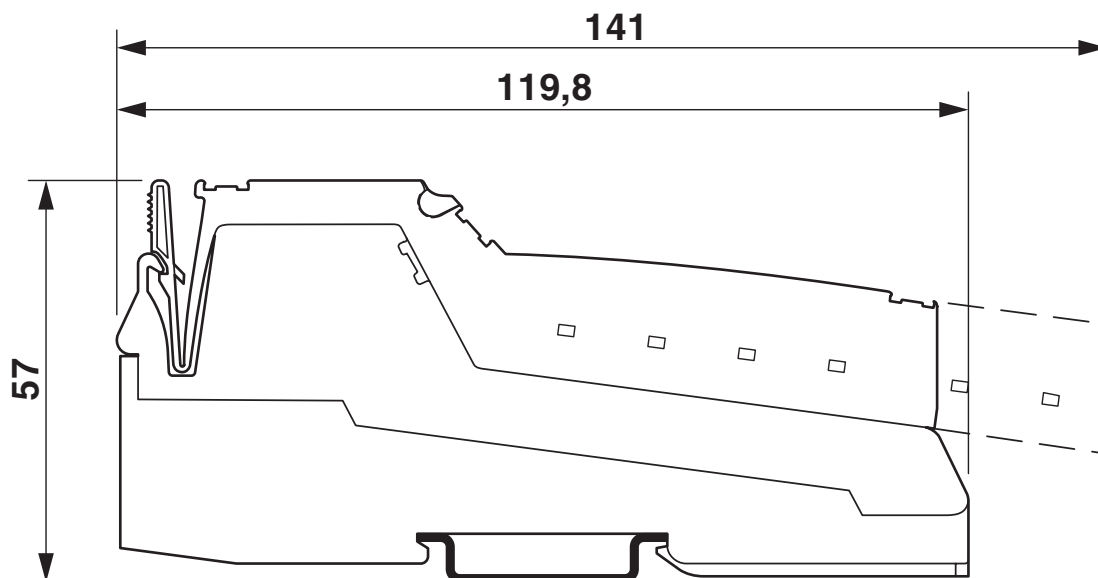


Drawings

Connection diagram



Dimensional drawing



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

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Classifications

ECLASS

ECLASS-11.0	27242604
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ETIM

ETIM 8.0	EC001599
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UNSPSC

UNSPSC 21.0	32151600
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Environmental product compliance

EU RoHS	
Fulfills EU RoHS substance requirements	Yes
Exemption	7(a), 7(c)-I
China RoHS	
Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits
EU REACH SVHC	
REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)

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Accessories

ILB SCN-12-PWR IN-CP - Inline connector

2863164

<https://www.phoenixcontact.com/us/products/2863164>

Long power connector, color coded, for Inline Block IO



IB IL SCN-12-OCP - Inline connector

2727624

<https://www.phoenixcontact.com/us/products/2727624>

Connector, colored identification, for digital 4, or 16-channel Inline output terminal blocks



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

2863151

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Shield connector, for INTERBUS connection



CLIPFIX 35-5 - End bracket

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

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IB IL FIELD 2 - Marking field

2727501

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

Marking field, width: 12.2 mm



ESL 62X10 - Insert strip

0809492

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

Insert strip, Sheet, white, unlabeled, can be labeled with: Office printing systems, CMS-P1-PLOTTER, mounting type: insert, lettering field size: 62 x 10 mm, Number of individual labels: 72



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ZBFM 6/WH:UNBEDRUCKT - Flat zack marker sheet

0803618

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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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