

ILB PB 24 DO32 - I/O module

2862408

<https://www.phoenixcontact.com/us/products/2862408>



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Inline, Block IO, PROFIBUS DP, D-SUB-9 female connector, Digital outputs: 32, 24 V DC, connection technology: 3-conductor, degree of protection: IP20, including Inline connector



Your advantages

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

Commercial data

Item number	2862408
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	DR01
Product key	DRI1A2
GTIN	4017918923877
Weight per piece (including packing)	526.4 g
Weight per piece (excluding packing)	510 g
Customs tariff number	85389091
Country of origin	DE

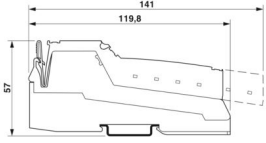
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Technical data

Dimensions

Dimensional drawing	
Width	156 mm
Height	141 mm
Depth	57 mm
Note on dimensions	Specifications with connectors

Interfaces

PROFIBUS DP

Connection method	D-SUB-9 female connector
Number of positions	9
Transmission speed	9.6 kbps ... 12 Mbps

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
	Inline
Scope of supply	including Inline connector

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No. of channels	32
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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)
Power supply	max. 8 A
Current draw	70 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)
Power supply	max. 8 A
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)
Power supply	max. 8 A
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)
Power supply	max. 8 A
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)
Power supply	max. 8 A
Current draw	4 A

Potentials

Power supply	max. 8 A
Current draw	70 mA

Electrical isolation/isolation of the voltage ranges

Test voltage: I/Os / PROFIBUS	500 V AC, 50 Hz, 1 min
Test voltage: I/O area / FE	500 V AC, 50 Hz, 1 min
Test voltage: PROFIBUS / FE	500 V AC, 50 Hz, 1 min

Connection data

Connection technology

Connection name	Inline connector
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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)	85 % (non-condensing)
Permissible humidity (storage/transport)	95 % (non-condensing)

Mechanical test

Vibration resistance in accordance with EN 60068-2-6/IEC 60068-2-6	5g
Shock in accordance with EN 60068-2-27/IEC 60068-2-27	25g

Standards and regulations

Noise emission	Industrial environment
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Mounting

Mounting type	NS 35/7,5
	DIN rail mounting

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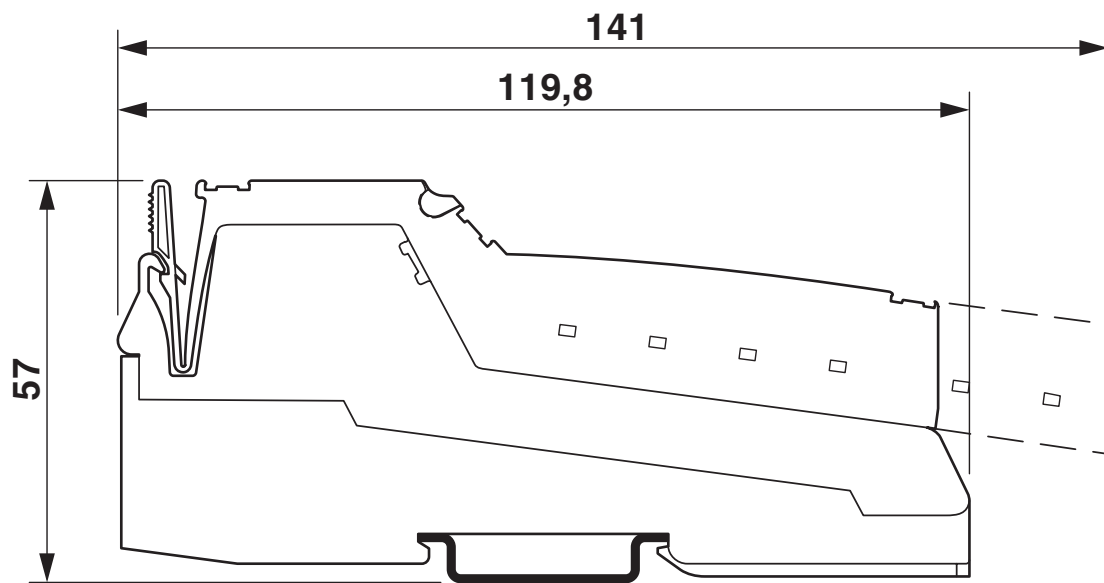
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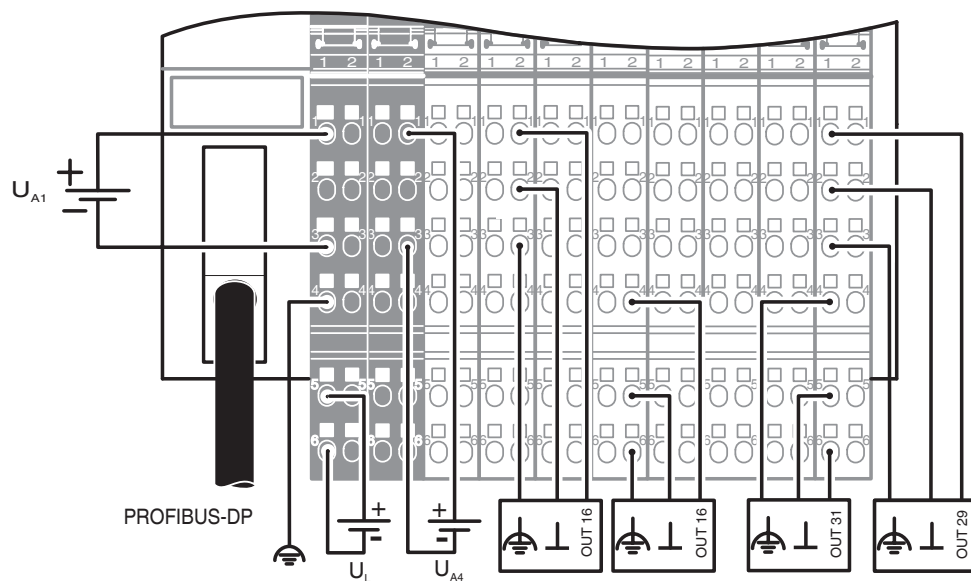
Drawings

Dimensional drawing



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

Connection diagram



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Classifications

UNSPSC

UNSPSC 21.0	32151602
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Environmental product compliance

China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
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