ILB IB 24 DO16 - I/O module

2862356

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The figure shows the version ILB IB 24 DO32

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

Your advantages

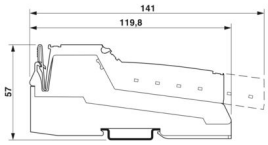
- 16 digital outputs
- Connection of actuators in 2- and 3-conductor technology
- Nominal current per output: 500 mA
- Total current of the terminal: 8 A
- Short-circuit and overload-protected outputs
- Diagnostic and status indicators

Commercial data

Item number	2862356
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	DRI1A1
Product key	DRI1A1
GTIN	4017918943073
Weight per piece (including packing)	374.1 g
Weight per piece (excluding packing)	300 g
Customs tariff number	85389091
Country of origin	DE

Technical data

Dimensions

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

Mounting

Mounting type	DIN rail mounting

Material specifications

Color	green

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	16
Protective circuit	Short-circuit and overload protection
Output voltage	24 V DC
Limitation of the voltage induced on circuit interruption	approx. -36 V
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
Maximum operating frequency with inductive nominal load	0.5 Hz

Resistance to permanent reverse voltage	2 A

Product properties

Product type	I/O component
Product family	Inline
Type	Block design
	Inline
Scope of supply	including Inline connector
No. of channels	16

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	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)
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	max. 8 A
Current draw	85 mA

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

Inline connector

Connection method	Spring-cage connection
Conductor cross-section, rigid	0.08 mm² ... 1.5 mm²
Conductor cross-section, flexible	0.08 mm² ... 1.5 mm²
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)

Mechanical test

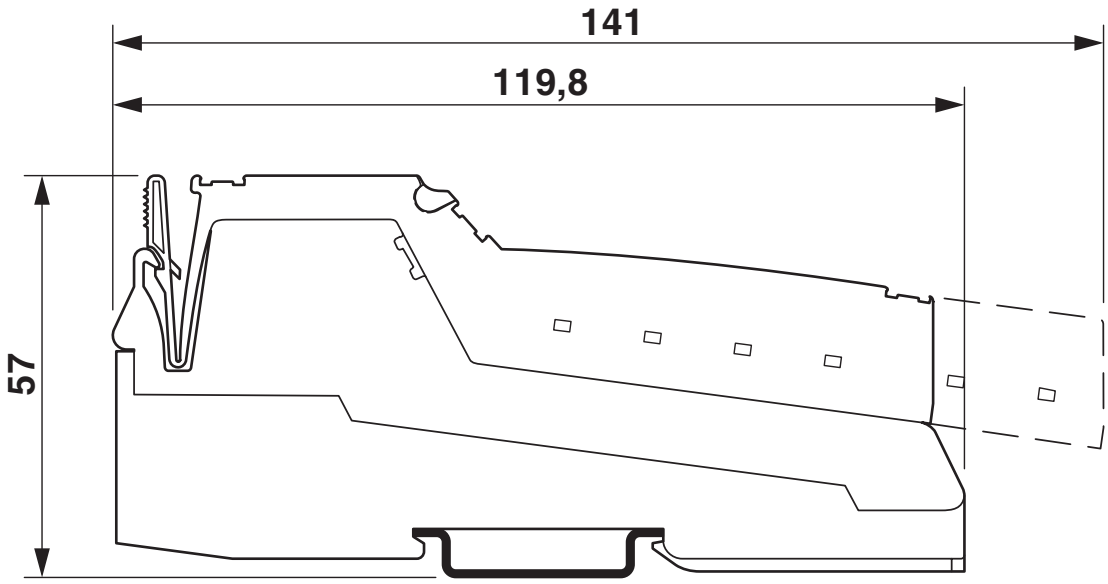
Vibration resistance in accordance with EN 60068-2-6/IEC 60068-2-6	5g
Shock in accordance with EN 60068-2-27/IEC 60068-2-27	25g

Standards and regulations

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

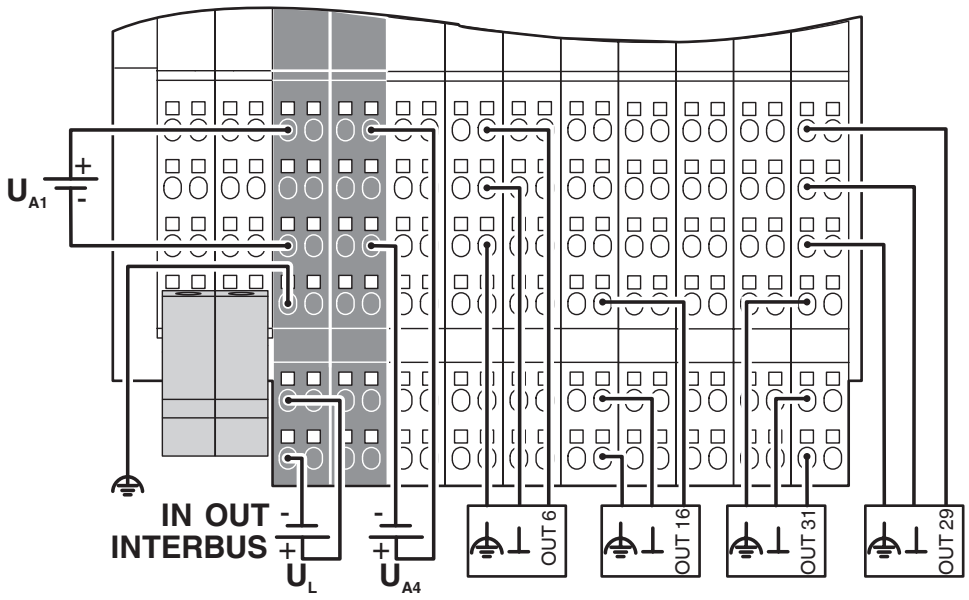
Drawings

Dimensional drawing



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

Connection diagram



Classifications

UNSPSC

UNSPSC 21.0	32151602

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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