

# I/O module - ILB DN 24 DI16 DO16 - 2862602

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)



Inline, Block IO, DeviceNet™, TWIN COMBICON, Digital inputs: 16, 24 V DC, connection method: 3-wire, Digital outputs: 16, 24 V DC, 500 mA, connection method: 3-wire, degree of protection: IP20, including Inline connector

## Your advantages

- ✓ 2 x 5-pos. TWIN-COMBICON plug
- ✓ 16 outputs, 24 V DC, 500 mA
- ✓ 16 inputs, 24 V DC



DeviceNet

## Key Commercial Data

Packing unit	1 pc
GTIN	
GTIN	4017918929084

## Technical data

### Dimensions

Caption	The figure shows the general dimensional drawing of the Inline Block IO product family
Width	156 mm
Height	141 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
Permissible humidity (operation)	85 % (non-condensing)
Permissible humidity (storage/transport)	95 % (non-condensing)
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)

# I/O module - ILB DN 24 DI16 DO16 - 2862602

## Technical data

### Ambient conditions

Degree of protection	IP20
----------------------	------

### General

Mounting type	DIN rail
Net weight	500 g
Note on weight specifications	with connectors
Mounting type	NS 35/7,5

### Interfaces

Designation	DeviceNet™
No. of channels	1
Connection method	TWIN COMBICON
Transmission speed	125 kbps ... 500 kbps
Number of positions	10

### Digital inputs

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

### Digital outputs

Output name	Digital outputs
Connection method	Spring-cage connection
Connection technology	3-wire
Number of outputs	16
Protective circuit	Short-circuit and overload protection
Output voltage	24 V DC
Nominal output voltage	24 V DC
Maximum output current per channel	500 mA
Maximum output current per module / terminal block	8 A
Maximum output current per module	8 A
Nominal load, inductive	12 VA
Nominal load, lamp	12 W
Nominal load, ohmic	12 W

# I/O module - ILB DN 24 DI16 DO16 - 2862602

## Technical data

### Digital outputs

Limitation of the voltage induced on circuit interruption	approx. -36 V
---	---------------

### Electrical isolation

Test section	I/Os / logic 500 V AC 50 Hz 1 min.
	I/Os / FE 500 V AC 50 Hz 1 min.
	Logic/functional ground 500 V AC 50 Hz 1 min.

### Standards and Regulations

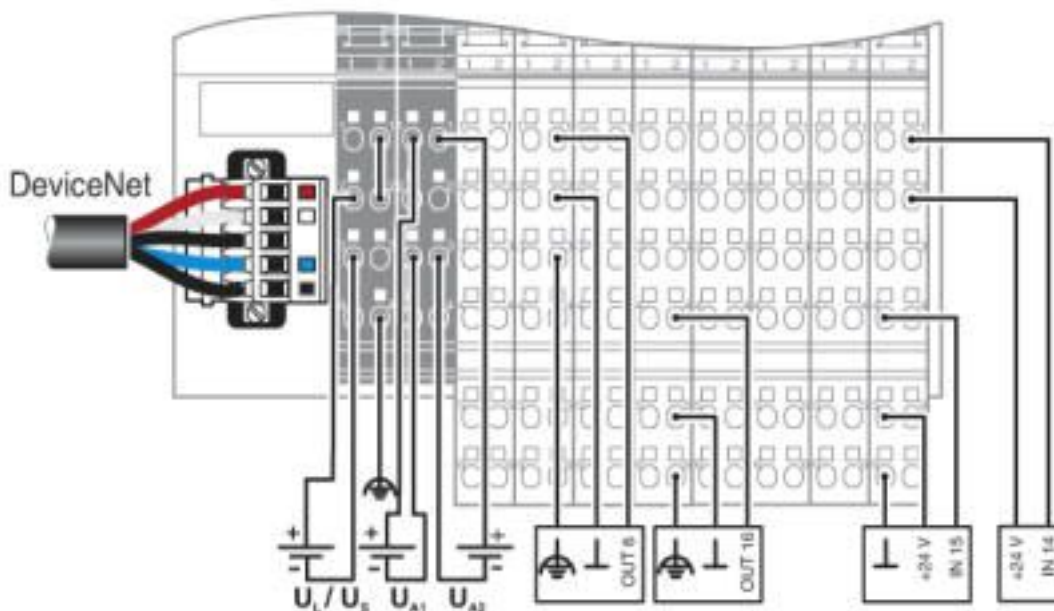
Noise emission	Industrial environment
Mechanical tests	Vibration resistance in acc. with EN 60068-2-6/IEC 60068-2-6 5g
	Shock in acc. with EN 60068-2-27/IEC 60068-2-27 25g
Connection in acc. with standard	CUL

### Environmental Product Compliance

China RoHS	Environmentally Friendly Use Period = 50 years
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

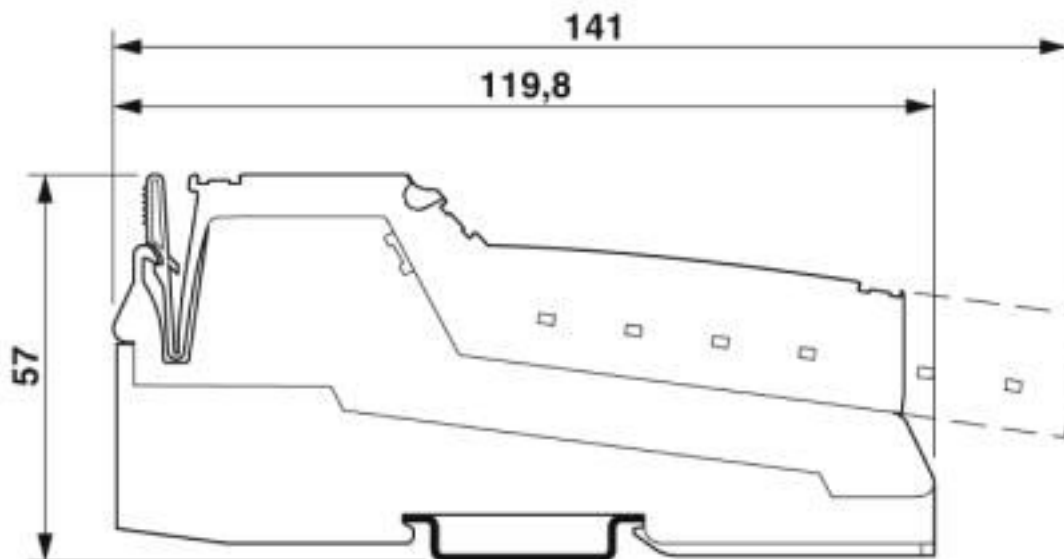
## Drawings

Connection diagram



# I/O module - ILB DN 24 DI16 DO16 - 2862602

Dimensional drawing



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

## Classifications

### eCl@ss

eCl@ss 10.0.1	27242604
eCl@ss 4.0	27250300
eCl@ss 4.1	27250300
eCl@ss 5.0	27250300
eCl@ss 5.1	27242600
eCl@ss 6.0	27242600
eCl@ss 7.0	27242604
eCl@ss 8.0	27242604
eCl@ss 9.0	27242604

### ETIM

ETIM 2.0	EC001430
ETIM 3.0	EC001599
ETIM 4.0	EC001599
ETIM 5.0	EC001599
ETIM 6.0	EC001599
ETIM 7.0	EC001599

### UNSPSC

UNSPSC 6.01	43172015
UNSPSC 7.0901	43201404
UNSPSC 11	43172015

# I/O module - ILB DN 24 DI16 DO16 - 2862602

## Classifications

### UNSPSC

UNSPSC 12.01	43201404
UNSPSC 13.2	32151602
UNSPSC 19.0	32151602

## 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

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

## I/O module - ILB DN 24 DI16 DO16 - 2862602

### Accessories

Inline connector - IB IL SCN-12-OCP - 2727624



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

---

Plug - TMSTBP 2,5/ 5-STF-5,08 GNAU CP - 2862576



TWIN-COMBICON plug for CANopen® and DeviceNet™ connection

---

### Terminal marking

Insert strip - ESL 62X10 - 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 - ZBFM 6/WH:UNBEDRUCKT - 0803618



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

---

Phoenix Contact 2020 © - all rights reserved  
<http://www.phoenixcontact.com>

PHOENIX CONTACT GmbH & Co. KG  
Flachsmarktstr. 8  
32825 Blomberg  
Germany  
Tel. +49 5235 300  
Fax +49 5235 3 41200  
<http://www.phoenixcontact.com>

## X-ON Electronics

Largest Supplier of Electrical and Electronic Components

*Click to view similar products for [I/O Modules](#) category:*

*Click to view products by [Phoenix Contact](#) manufacturer:*

Other Similar products are found below :

[70L-IDC5S](#) [70L-OAC-L](#) [70Z3289-4](#) [G21960000700](#) [G21960002700](#) [G34960002700](#) [OACU](#) [C4SWOUT](#) [PB16H](#) [G34960001700](#) [G3TA-OA101SZ-1](#) [DC24](#) [G77-S](#) [5607189](#) [DA5](#) [ODC-24A](#) [IDC5P](#) [FC6A-N16B1](#) [6421](#) [70MRCQ32-HL](#) [G3TAOD201SDC24](#) [C200H-LK201-V1](#)  
[G3TA-OA202SZ-US](#) [DC12](#) [GT1-OD16](#) [GT1-AD04CST](#) [B7AM-6BS](#) [70GRCQ24-HS](#) [6422](#) [84110410](#) [GT1-OD16MX](#) [G7VC-OC16-B7](#)  
[70MRCK24-DIN](#) [6202](#) [6402](#) [PI/NI-2D/24](#) [FC6A-J2C1](#) [FC6A-KC1C](#) [FC6A-R081](#) [FC6A-J8CU1](#) [GP32900003700](#) [641-480-5022](#) [PB16H](#)  
[84145010](#) [84110210](#) [FRUSB1601](#) [PCL-720+-BE](#) [FRRJ451601](#) [AP24MX3DB25F](#) [ADAM-5053S-AE](#) [WISE-S614-A](#) [C200H-OD211](#)