

I/O module - ILB PB 24 DI 8 DIO8 - 2863562

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, PROFIBUS DP, D-SUB-9 female connector, Digital inputs: 16, 24 V DC, connection method: 3-conductor, Digital outputs: 8, 24 V DC, 500 mA, connection method: 3-conductor, degree of protection: IP20, including Inline connector

Your advantages

- D-SUB bus connection



Key Commercial Data

| | |
|--------------------------------------|---|
| Packing unit | 1 pc |
| GTIN |  4 017918 956424 |
| GTIN | 4017918956424 |
| Weight per Piece (excluding packing) | 334.400 g |
| Custom tariff number | 85389091 |
| Country of origin | Germany |

Technical data

Note

| | |
|-------------------------|---|
| Utilization restriction | EMC: class A product, see manufacturer's declaration in the download area |
|-------------------------|---|

Dimensions

| | |
|--------------------|--|
| Caption | The figure shows the general dimensional drawing of the Inline Block IO product family |
| Width | 95 mm |
| Height | 141 mm |
| Depth | 57 mm |
| Note on dimensions | Specifications with connectors |

I/O module - ILB PB 24 DI 8 DIO8 - 2863562

Technical data

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) | 800 hPa ... 1080 hPa (up to 2000 m above sea level) |
| Air pressure (storage/transport) | 660 hPa ... 1080 hPa (up to 3500 m above sea level) |
| Degree of protection | IP20 |

General

| | |
|-------------------------------|-----------------|
| Mounting type | DIN rail |
| Net weight | 334 g |
| Note on weight specifications | with connectors |
| Mounting type | NS 35/7,5 |

Interfaces

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

Digital inputs

| | |
|---|--|
| Input name | Digital inputs |
| Description of the input | 8 fixed and 8 freely selectable |
| Connection method | Spring-cage connection |
| Connection technology | 3-conductor |
| 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 |
| Switching threshold "0" signal current | max. 0.5 mA |
| Switching threshold "1" signal, current | min. 2 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 |

I/O module - ILB PB 24 DI 8 DIO8 - 2863562

Technical data

Digital outputs

| | |
|---|---------------------------------------|
| Connection technology | 3-conductor |
| Number of outputs | 8 |
| Protective circuit | Short-circuit and overload protection |
| Output voltage | 24 V DC |
| Nominal output voltage | 24 V DC |
| Nominal load, inductive | 12 VA |
| Nominal load, lamp | 12 W |
| Nominal load, ohmic | 12 W |
| Limitation of the voltage induced on circuit interruption | approx. -36 V |

Electrical isolation

| | |
|--------------|---------------------------------------|
| Test section | I/Os / PROFIBUS 500 V AC 50 Hz 1 min. |
| | I/O area / FE 500 V AC 50 Hz 1 min. |
| | PROFIBUS / FE 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 15g |

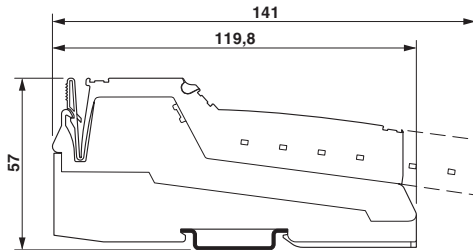
Environmental Product Compliance

| | |
|------------|---|
| REACH SVHC | Lead 7439-92-1 |
| China RoHS | Environmentally friendly use period: unlimited = EFUP-e |
| | No hazardous substances above threshold values |

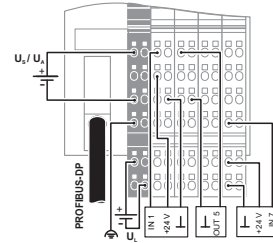
Drawings

I/O module - ILB PB 24 DI 8 DIO8 - 2863562

Dimensional drawing



Connection diagram



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 11.0 | 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 9.0 | 27242604 |

ETIM

| | |
|----------|----------|
| ETIM 2.0 | EC001430 |
| ETIM 3.0 | EC001599 |
| ETIM 4.0 | EC001599 |
| ETIM 6.0 | EC001599 |
| ETIM 7.0 | EC001599 |

UNSPSC

| | |
|---------------|----------|
| UNSPSC 6.01 | 43172015 |
| UNSPSC 7.0901 | 43201404 |
| UNSPSC 11 | 43172015 |
| UNSPSC 12.01 | 43201404 |
| UNSPSC 13.2 | 32151602 |

I/O module - ILB PB 24 DI 8 DIO8 - 2863562

Classifications

UNSPSC

| | |
|-------------|----------|
| UNSPSC 18.0 | 32151602 |
| UNSPSC 19.0 | 32151602 |
| UNSPSC 20.0 | 32151602 |
| UNSPSC 21.0 | 32151602 |

Approvals

Approvals

Approvals

PROFIBUS

Ex Approvals

Approval details

| | |
|----------|--------|
| PROFIBUS | Z00867 |
|----------|--------|
