

I/O module - ILB IB 24 DO16 - 2862356

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Inline, Block IO, INTERBUS remote bus, Inline shield connector, Digital outputs: 16, 24 V DC, 500 mA, 3-conductor, Degree of protection IP20, including Inline connector



The illustration shows the version ILB IB 24 DO32

Product Features

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



Key Commercial Data

| | |
|--------------------------------------|----------|
| Packing unit | 1 pc |
| Weight per Piece (excluding packing) | 360.0 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

| | |
|--------|--------|
| Width | 95 mm |
| Height | 141 mm |
| Depth | 57 mm |

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Technical data

Dimensions

| | |
|--------------------|--------------------------------|
| 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) | max. 85 % ((non-condensing)) |
| Permissible humidity (storage/transport) | 95 % (non-condensing) |
| Air pressure (operation) | 80 kPa ... 108 kPa (up to 2000 m above mean sea level) |
| Air pressure (storage/transport) | 66 kPa ... 108 kPa (up to 3500 m above mean sea level) |
| Degree of protection | IP20 |

General

| | |
|-------------------------------|-----------------|
| Mounting type | DIN rail |
| Net weight | 300 g |
| Note on weight specifications | with connectors |

Interfaces

| | |
|--------------------|-------------------------|
| Fieldbus system | INTERBUS |
| Designation | INTERBUS |
| Connection method | Inline shield connector |
| Transmission speed | 500 kBit/s |

Power supply for module electronics

| | |
|----------------------|--|
| Supply voltage | 24 V DC |
| Supply voltage range | 19.2 V DC ... 30 V DC (including all tolerances, including ripple) |
| Supply current | 80 mA |
| Current consumption | approx. 80 mA |

Digital outputs

| | |
|--|---------------------------------------|
| Output name | Digital outputs |
| Connection method | Spring-cage connection |
| | 3-conductor |
| 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 | 16 A |
| Maximum output current per module | 16 A |
| Nominal load, inductive | 12 VA |

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Digital outputs

| | |
|---------------------|------|
| Nominal load, lamp | 12 W |
| Nominal load, ohmic | 12 W |

Standards and Regulations

| | |
|----------------------------------|---|
| Conformity with EMC directives | EN55022:1998+A1:2000 Class B |
| Test section | I/Os / incoming remote bus 500 V AC 50 Hz 1 min. |
| | I/Os / outgoing remote bus 500 V AC 50 Hz 1 min. |
| | I/O area / FE 500 V AC 50 Hz 1 min. |
| | Incoming remote bus / FE 500 V AC 50 Hz 1 min. |
| | Outgoing remote bus / FE 500 V AC 50 Hz 1 min. |
| | Incoming remote bus / outgoing remote bus 500 V AC 50 Hz 1 min. |
| Noise emission | Class B (residential) |
| 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 |
| Protection class | III, IEC 61140, EN 61140, VDE 0140-1 |

Classifications

eCl@ss

| | |
|------------|----------|
| eCl@ss 4.0 | 27250302 |
| eCl@ss 4.1 | 27250302 |
| eCl@ss 5.0 | 27250302 |
| eCl@ss 5.1 | 27242604 |
| eCl@ss 6.0 | 27242604 |
| 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 |

UNSPSC

| | |
|---------------|----------|
| UNSPSC 6.01 | 43172015 |
| UNSPSC 7.0901 | 43201404 |

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Classifications

UNSPSC

| | |
|--------------|----------|
| UNSPSC 11 | 43172015 |
| UNSPSC 12.01 | 43201404 |
| UNSPSC 13.2 | 43201404 |

Approvals

Approvals

Approvals


UL Recognized / cUL Recognized / INTERBUS CLUB / cULus Recognized

Ex Approvals

UL Listed / cUL Listed / cULus Listed

Approvals submitted

Approval details

UL Recognized 

cUL Recognized 

INTERBUS CLUB

cULus Recognized 

Accessories

Accessories

End block

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Accessories

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 - ILB SCN-12-PWR IN-CP - 2863164

Long power connector, color coded, for Inline Block I/O



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

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



Inline shield connector - IB IL SCN-6 SHIELD-CP - 2863151

Shield connector, for INTERBUS connection



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Accessories

Terminal marking

Insert strip - ESL 62X10 - 0809492

Insert strip, Sheet, white, unlabeled, can be labeled with: Office printing systems, Plotter: Laser printer, Mounting type: Insert, Lettering field: 62 x 10 mm



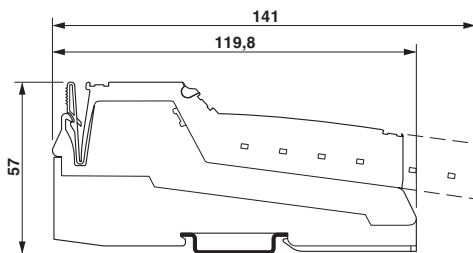
Flat zack marker sheet - ZBFM 6/WH:UNBEDRUCKT - 0803618

Flat zack marker sheet, Sheet, white, unlabeled, can be labeled with: Plotter, Mounting type: Snap into flat marker groove, for terminal block width: 6.2 mm, Lettering field: 5 x 5.5 mm

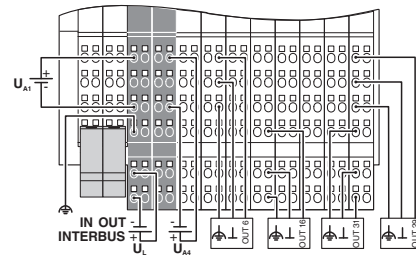


Drawings

Dimensional drawing



Connection diagram



The illustration shows the general dimensional drawing of the Inline Block I/O product family