

Inline terminal - IB IL 24 DO 8-2MBD - 2819037

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 digital output terminal block, without accessories, 8 outputs, 24 V DC, 500 mA, transmission speed 2 Mbaud, 4-wire connection method


The illustration shows the version
IB IL 24 DO 8

Why buy this product

- 8 digital outputs
- Connection of actuators in 2, 3, and 4-wire technology
- Nominal current per output: 500 mA
- Total current of the terminal: 4 A
- Short-circuit-proof and overload-protected outputs
- Diagnostic and status indicators



Key commercial data

| | |
|--------------------------------------|---|
| Packing unit | 1 pc |
| GTIN |  4 017918 876494 |
| Weight per Piece (excluding packing) | 130.0 g |
| Custom tariff number | 85389091 |
| Country of origin | Germany |
| Note | Made to Order (non-returnable) |

Technical data

Note

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

Dimensions

| | |
|--------------------|--------------------|
| Width | 48.8 mm |
| Height | 119.8 mm |
| Depth | 71.5 mm |
| Note on dimensions | Housing dimensions |

Inline terminal - IB IL 24 DO 8-2MBD - 2819037

Technical data

Ambient conditions

| | |
|--|---|
| Ambient temperature (operation) | -25 °C ... 55 °C |
| Ambient temperature (storage/transport) | -25 °C ... 85 °C |
| Permissible humidity (operation) | 10 % ... 95 % (according to DIN EN 61131-2) |
| Permissible humidity (storage/transport) | 10 % ... 95 % (according to DIN EN 61131-2) |
| Air pressure (operation) | 70 kPa ... 106 kPa (up to 3000 m above sea level) |
| Air pressure (storage/transport) | 70 kPa ... 106 kPa (up to 3000 m above sea level) |
| Degree of protection | IP20 |

General

| | |
|-------------------------------|---|
| Weight | 130 g |
| Note on weight specifications | Without plug |
| Mounting type | DIN rail |
| Protection class | III, IEC 61140, EN 61140, VDE 0140-1 |
| Test section | 5 V supply, incoming remote bus/7.5 V supply (bus logics) 500 V AC 50 Hz 1 min |
| | 5 V supply, outgoing remote bus/7.5 V supply (bus logics) 500 V AC 50 Hz 1 min |
| | 7.5 V supply (bus logics)/24 V supply (I/O) 500 V AC 50 Hz 1 min |
| | 24 V supply (I/O) / functional earth ground 500 V AC 50 Hz 1 min |
| Diagnostics messages | Short-circuit / overload of the digital outputs Error message in the diagnostic code (bus) and display (2 Hz) via the LED (D) on the module |

Interfaces

| | |
|--------------------|--------------------|
| Designation | Inline local bus |
| Connection method | Inline data jumper |
| Transmission speed | 2 MBit/s |

Power supply for module electronics

| | |
|----------------------------|---------------------------------|
| Supply voltage | 24 V DC (via voltage jumper) |
| Supply voltage range | 19.2 V DC ... 30 V DC |
| Communications power U_L | 7.5 V (via voltage jumper) |
| Current consumption | max. 85 mA (from the local bus) |
| Power consumption | max. 0.64 W |

Inline potentials

| | |
|--------------------------------|-------------------------|
| Communications power U_L | 7.5 V DC |
| Current consumption from U_L | max. 85 mA |
| Main circuit supply U_M | 24 V DC |
| Segment supply voltage U_S | 24 V DC (nominal value) |
| Current consumption from U_S | max. 4 A |

Digital outputs

| | |
|-------------------|------------------------|
| Output name | Digital outputs |
| Connection method | Spring-cage connection |

Inline terminal - IB IL 24 DO 8-2MBD - 2819037

Technical data

Digital outputs

| | |
|------------------------------------|--|
| | 2, 3, 4-wire |
| Number of outputs | 8 |
| Protective circuit | Overload protection, short-circuit protection of outputs |
| Output voltage | 24 V DC (via voltage jumper) |
| Nominal output voltage | 24 V DC (voltage difference at $I_{nom} \leq 1$ V) |
| Maximum output current per channel | 500 mA |
| Maximum output current per module | 1 A |
| Nominal load, inductive | 12 W |
| Nominal load, lamp | 12 W |
| Nominal load, ohmic | 12 VA |

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 |

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

Approvals

Approvals

Approvals

UL Listed / cUL Listed / cULus Listed

Inline terminal - IB IL 24 DO 8-2MBD - 2819037

Approvals

Ex Approvals

Approvals submitted

Approval details

UL Listed 

cUL Listed 

cULus Listed 

Accessories

Accessories

Labeling panel

Labeling field - IB IL FIELD 8 - 2727515

Labeling field, width: 48.8 mm



Labeling field - IB IL FIELD 2 - 2727501

Labeling field, width: 12.2 mm



Plug

Inline terminal - IB IL 24 DO 8-2MBD - 2819037

Accessories

Inline connector - IB IL SCN-8 - 2726337



Connector, for digital 1, 2 or 8-channel Inline terminals

Inline connector - IB IL SCN-8-CP - 2727608



Inline connector, colored

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

Insert strip - ESL 62X46 - 0809502

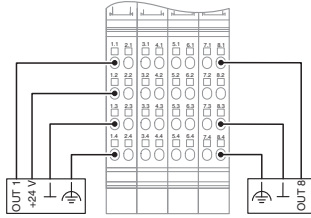


Insert strip, Sheet, white, unlabeled, can be labeled with: Office printing systems, Plotter: Laser printer, Mounting type: Insert, Lettering field: 62 x 46 mm

Drawings

Inline terminal - IB IL 24 DO 8-2MBD - 2819037

Connection diagram



Dimensioned drawing

