Extract from the online catalog

# IB IL 24 DO 2-2A-2MBD-PAC

Order No.: 2861700

The figure shows the version IB IL 24 DO 2-2A-PAC



http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2861700

Inline digital output terminal, complete with accessories (connector and labeling field), 2 outputs, 24 V DC, 2 A, transmission speed 2 Mbaud, 4-wire connection method

| Commercial data | |
|---|---|
| GTIN (EAN) | 4 017918 974602 |
| sales group | K411 |
| Pack | 1 pcs. |
| Customs tariff | 85389091 |
| Catalog page information | Page 275 (AX-2009) |

Product notes

WEEE/RoHS-compliant since: 06/28/2007

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## Product description

The digital Inline output terminals are designed for the connection of digital actuators, such as electromagnetic valves, contactors or visual indicators.

All the typical applications are covered by the standard automation terminals.

The I/O equipment is connected by a simple or an extended Inline connector, depending on the number of channels. The multi-wire connection method is available in both cases.

The Inline terminals can be labeled using hinged labeling fields. The fields have insert cards that can be labeled individually to suit the application. Additionally, there is the proven ZBFM-6... Zack strip for labeling the terminal points.

## Technical data

### General data

| | |
|---|---|
| Width | 12.2 mm |
| Height | 119.5 mm |
| Depth | 71.5 mm |
| Note on dimensions | Housing dimensions |
| Weight | 42 g |
| Note on weight specifications | Without plug |
| Mounting type | DIN rail |
| 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 |
| Protection class | III, IEC 61140, EN 61140, VDE 0140-1 |
| Test section | 5 V supply incoming remote bus/7.5 V supply (bus logic) 500 V AC 50 Hz 1 min |
| | 5 V supply outgoing remote bus/7.5 V supply (bus logic) 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 |

### Interface

| | |
|---|---|
| Name | INTERBUS local bus |
| Type of connection | Inline potential distributor |
| Transmission speed | 2 MBaud |

### Power supply for module electronics

| | |
|---|---|
| Supply voltage | 24 V DC (nominal value) |
| Supply voltage range | 19.2 V DC ... 30 V DC |
| Communications power $U_L$ | 7.5 V (via voltage jumper) |

| | |
|---|---|
| Current consumption | max. 60 mA (from the local bus) |

**Inline potential routing**

| | |
|---|---|
| Communications power $U_L$ | 7.5 V DC |
| Current consumption from $U_L$ | max. 35 mA |
| Segment supply voltage $U_S$ | 24 V DC (nominal value) |
| Current consumption from $U_S$ | max. 4 A |

**Digital outputs**

| | |
|---|---|
| Output name | Digital outputs |
| Type of connection | Spring-cage connection |
| Connection method | 2, 3, 4-wire |
| Number of outputs | 2 |
| Protective circuit | Overload protection, short-circuit protection of outputs |
| Output voltage | 24 V DC |
| Nominal output voltage | 24 V DC (voltage difference at $I_{nom} \leq 1$ V) |
| Maximum output current per channel | 2 A |
| Maximum output current per module | 4 A |
| Nominal load, inductive | 12 W |
| Nominal load, lamp | 12 W |
| Nominal load, ohmic | 12 W |

## Certificates / Approvals

| | |
|---|---|
| Certification | CUL Listed, GOST, TUEV-RH, UL Listed |
| Certification Ex: | PxC-EX |

## Accessories

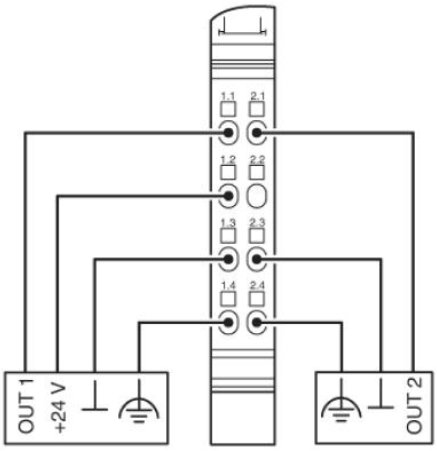
| Item | Designation | Description |
|---|---|---|
| **Marking** | | |
| 0809492 | ESL 62X10 | Insert strip for laser printer, lettering field: 62 x 10 mm |
| 2727501 | IB IL FIELD 2 | Labeling field, width: 12.2 mm |

**Plug/Adapter**

| | | |
|---|---|---|
| 2726337 | IB IL SCN-8 | Connector, for digital 1, 2 or 8-channel Inline terminals |
| 2727608 | IB IL SCN-8-CP | Inline connector, colored |

## Diagrams/Drawings

Connection diagram



## Address

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