

## Inline terminal - IB IL 24/230 DOR1/W-2MBD-PAC - 2862110

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Inline digital output terminal block, complete with accessories (connector and labeling field), 1 relay PDT contacts, gold contacts, transmission speed 2 Mbaud, 5 - 253 V AC, 3 A

### Product description

The digital 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 plug, depending on the number of channels. The multi-wire connection method is available in both cases.

The Inline relay terminal makes it possible to switch any I/O voltage up to a maximum of 230 V AC.

Therefore, a relay with a floating PDT contact is integrated in the terminal. Connection to the I/O devices is made with a simple Inline plug.

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.

### Why buy this product

- Safe isolation
- Floating connection for one actuator
- Nominal current at the output: 3 A
- Total current of the terminal: 3 A
- Diagnostic and status indicators



### Key commercial data

Packing unit	1 pc
GTIN	 4 017918 974732
Weight per Piece (excluding packing)	46.0 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
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#### Dimensions

Width	12.2 mm
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## Technical data

### Dimensions

Height	119.8 mm
Depth	71.5 mm
Note on dimensions	Housing dimensions

### Ambient conditions

Ambient temperature (operation)	-25 °C ... 55 °C
Ambient temperature (storage/transport)	-25 °C ... 85 °C
Permissible humidity (operation)	75 % ... 85 % (in the range of -25°C ... +55°C, appropriate measures against increased humidity (> 85%) must be taken.)
Permissible humidity (storage/transport)	75 % ... 85 % (slight temporary condensation may sometimes appear on the housing)
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	46 g
Note on weight specifications	Without plug
Mounting type	DIN rail
Protection class	I, IEC 61140, EN 61140, VDE 0140-1
Test section	Relay contact / Bus logics 4 kV 50 Hz 1 min
	Contact/contact 1 kV 50 Hz 1 min
	Contact / PE 1 kV 50 Hz 1 min

### 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 (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. 90 mA (from the local bus)
Power consumption	max. 0.675 W (from the local bus)

### Inline potentials

Communications power $U_L$	7.5 V DC
Current consumption from $U_L$	max. 60 mA
Segment supply voltage $U_S$	24 V DC (nominal value)

### Digital outputs

Output name	Relay output
Connection method	Spring-cage connection
	Floating SPDT relay contact

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## Technical data

### Digital outputs

Number of outputs	1
Protective circuit	Overload protection, short-circuit protection of outputs
Maximum output current per channel	3 A
Maximum output current per module	3 A

## 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

### 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

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Approvals

UL Listed / cUL Listed / cULus Listed

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Ex Approvals

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Approvals submitted

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## Approvals

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### Approval details

UL Listed 

cUL Listed 

cULus Listed 

## Accessories

### Accessories

#### Connector set

Connector set - IB IL DOR LV-PLSET - 2742667



Connector set for distance terminal

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### Distance terminal

Inline terminal - IB IL DOR LV-SET - 2742641



Inline distance terminal, without accessories

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Inline terminal - IB IL DOR LV-SET-PAC - 2861645



Inline distance terminal, complete with accessories

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## Inline terminal - IB IL 24/230 DOR1/W-2MBD-PAC - 2862110

### Accessories

Inline terminal - IB IL DOR LV-SET - 2742641



Inline distance terminal, without accessories

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### Labeling panel

Labeling field - IB IL FIELD 2 - 2727501

Labeling field, width: 12.2 mm



Labeling field - IB IL FIELD 8 - 2727515

Labeling field, width: 48.8 mm



### Plug

Inline connector - IB IL SCN-8-AC-REL - 2740290



Plug, for digital 1, 2 or 8-channel Inline terminals with AC voltage

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### 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



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## Accessories

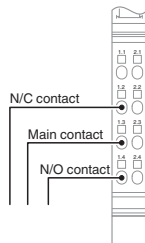
Insert strip - ESL 62X46 - 0809502

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

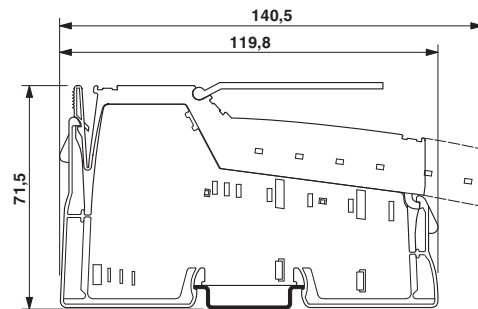


## Drawings

Connection diagram



Dimensioned drawing



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Block diagram

