

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



2862110

<https://www.phoenixcontact.com/us/products/2862110>

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Inline, Relay terminal, Relay output: 1 (floating contacts), 24 V DC, 230 V AC, for switching ohmic loads, transmission speed in the local bus: 2 Mbps, degree of protection: IP20, including Inline connector and labeling field

Product description

Inline terminals with "2 MBD" added to their item designation work with a transmission speed of 2 Mbps. These terminal blocks are discontinued or no longer in the range. If you require this transmission speed, please ask your local Phoenix Contact representative. If you can work with a transmission speed of 500 kbps, select as a replacement the corresponding variant that does not have "2MBD" added to its item designation. Please note that a uniform transmission speed must always be used within one inline station. The terminal is designed for use within an Inline station. It has one floating relay changeover contact.

Your advantages

- 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

Commercial data

Item number	2862110
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	DR01
Product key	DRI133
GTIN	4017918974732
Weight per piece (including packing)	80.7 g
Weight per piece (excluding packing)	46 g
Customs tariff number	85389091
Country of origin	DE

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Technical data

Dimensions

Dimensional drawing	
Width	12.2 mm
Height	119.8 mm
Depth	71.5 mm
Note on dimensions	Housing dimensions

Material specifications

Color	gray
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Interfaces

Inline local bus

No. of channels	2
Connection method	Inline data jumper
Transmission speed	2 Mbps

System properties

Module

ID code (dec.)	189
ID code (hex)	BD
Length code (hex)	C2
Length code (dec)	194
Process data channel	2 bit
Input address area	0 Byte
Output address area	2 bit (Only bit0 is occupied)
Register length	2 bit
Required parameter data	3 Byte
Required configuration data	4 Byte

Output data

Relay

Number of outputs	1 (floating contacts)
Connection method	Spring-cage connection
Switching voltage	max. 250 V DC

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	min. 5 V DC
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Product properties

Product type	I/O component
Product family	Inline
Type	modular
Scope of supply	including Inline connector and labeling field
No. of channels	1
Special properties	for switching ohmic loads

Electrical properties

Maximum power dissipation for nominal condition	1.2 W
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Potentials: Communications power (U_L)

Supply voltage	7.5 V DC (via voltage jumper)
Current draw	max. 60 mA

Electrical isolation/isolation of the voltage ranges

Test voltage: Relay contact / Bus logics	4 kV, 50 Hz, 1 min
Test voltage: Contact/contact	1 kV, 50 Hz, 1 min
Test voltage: Contact / PE	1 kV, 50 Hz, 1 min

Connection data

Connection technology

Connection name	Inline connector
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Inline connector

Connection method	Spring-cage connection
Conductor cross-section, rigid	0.08 mm ² ... 1.5 mm ²
Conductor cross-section, flexible	0.08 mm ² ... 1.5 mm ²
Conductor cross-section AWG	28 ... 16
Stripping length	8 mm

Environmental and real-life conditions

Ambient conditions

Ambient temperature (operation)	-25 °C ... 55 °C
Degree of protection	IP20
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)
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)

Standards and regulations

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Protection class	I (IEC 61140, EN 61140, VDE 0140-1)
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Mounting

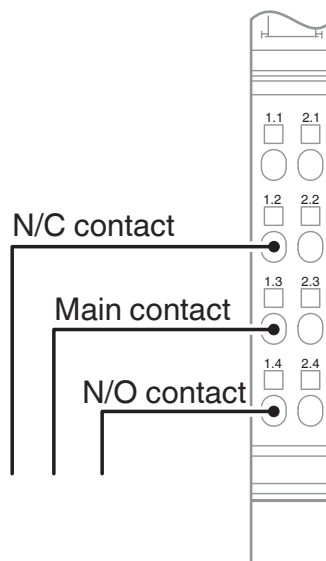
Mounting type	DIN rail mounting
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Drawings

Dimensional drawing



Connection diagram



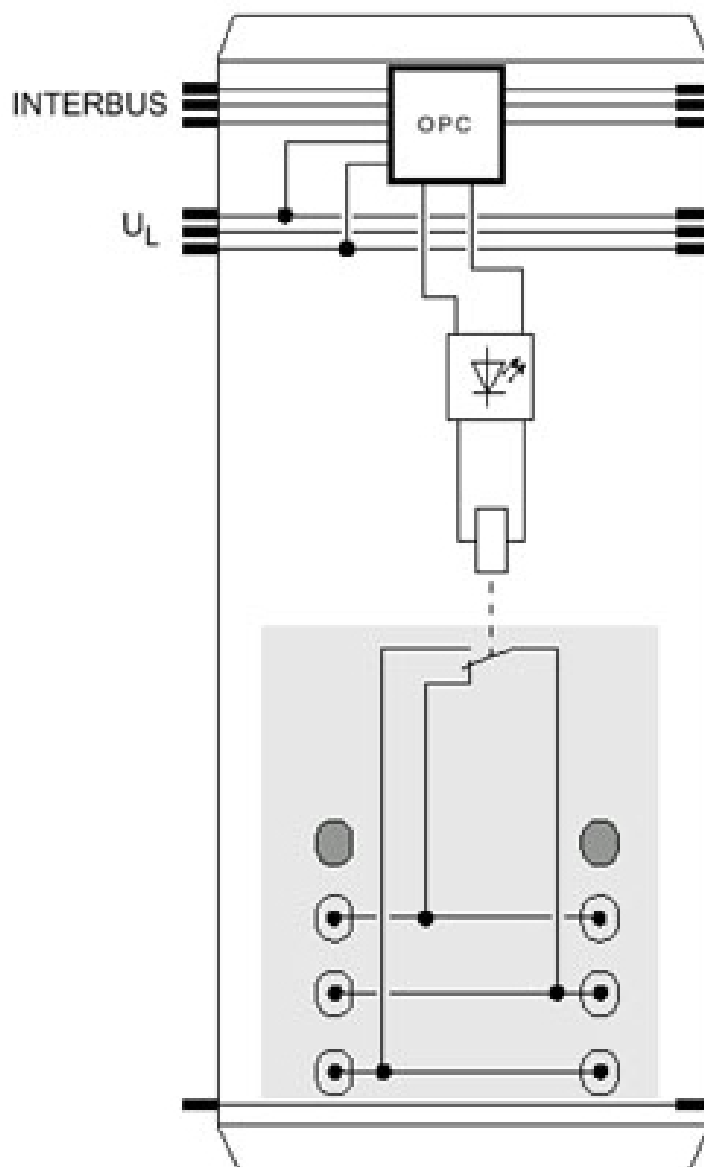
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Block diagram



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Classifications

UNSPSC

UNSPSC 21.0	32151600
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Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	7(a), 7(c)-I

China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

EU REACH SVHC

REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)
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