

IB IL 24/230 DOR4/W-2MBD-PAC - Inline terminal



2862039

<https://www.phoenixcontact.com/us/products/2862039>

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Inline digital output terminal block, complete with accessories (connector and marking field), 4 relay changeover contacts, gold contacts, transmission speed 2 Mbaud, 5 - 253 V AC, 3 A

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. The terminal has four floating relay changeover contacts.

Your advantages

- Total current of the terminal: 3 A
- Nominal current at the output: 3 A
- Floating connections for 4 actuators
- Safe isolation
- Diagnostic and status indicators

Commercial data

Item number	2862039
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	NULL
Product key	DRI133
GTIN	4017918974671
Weight per piece (including packing)	225.5 g
Weight per piece (excluding packing)	198.51 g
Customs tariff number	85389091
Country of origin	DE

Technical data

Product properties

Type	modular
Scope of supply	including Inline connectors and marking fields
No. of channels	4

System properties

Programming data (LocalbusSlave)

Length code (hex)	41
ID code (dec.)	189
Length code (dec)	65
Process data channel	4 bit
Input address area	0 Byte
Output address area	4 bit
Parameter channel (PCP)	0 bit
Register length (bus)	4 bit

Fieldbus data telegram

Required parameter data	3 Byte
Required configuration data	4 Byte

Electrical properties

Potentials: Communications power (U_L)

Supply voltage	7.5 V DC (via voltage jumper)
Current draw	max. 35 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

Output data

Digital:

Output name	Relay output
Connection method	Spring-cage connection
Connection technology	floating changeover relay contact
Number of outputs	4
Protective circuit	Overload protection, short-circuit protection of outputs
Maximum output current per channel	3 A
Output voltage range	5 V AC ... 253 V AC

Connection data

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Inline connector

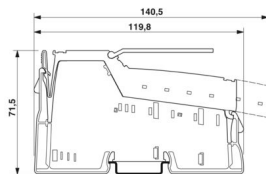
Connection method	Spring-cage connection
Conductor cross-section, rigid	0.08 mm ² ... 1.5 mm ²
Conductor cross-section, flexible	0.08 mm ² ... 1.5 mm ²
Conductor cross-section AWG	28 ... 16

Interfaces

Inline local bus

Connection method	Inline data jumper
Transmission speed	2 Mbps

Dimensions

Dimensional drawing	
Width	48.8 mm
Height	119.8 mm
Depth	71.5 mm
Note on dimensions	Housing dimensions

Material specifications

Color	gray
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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

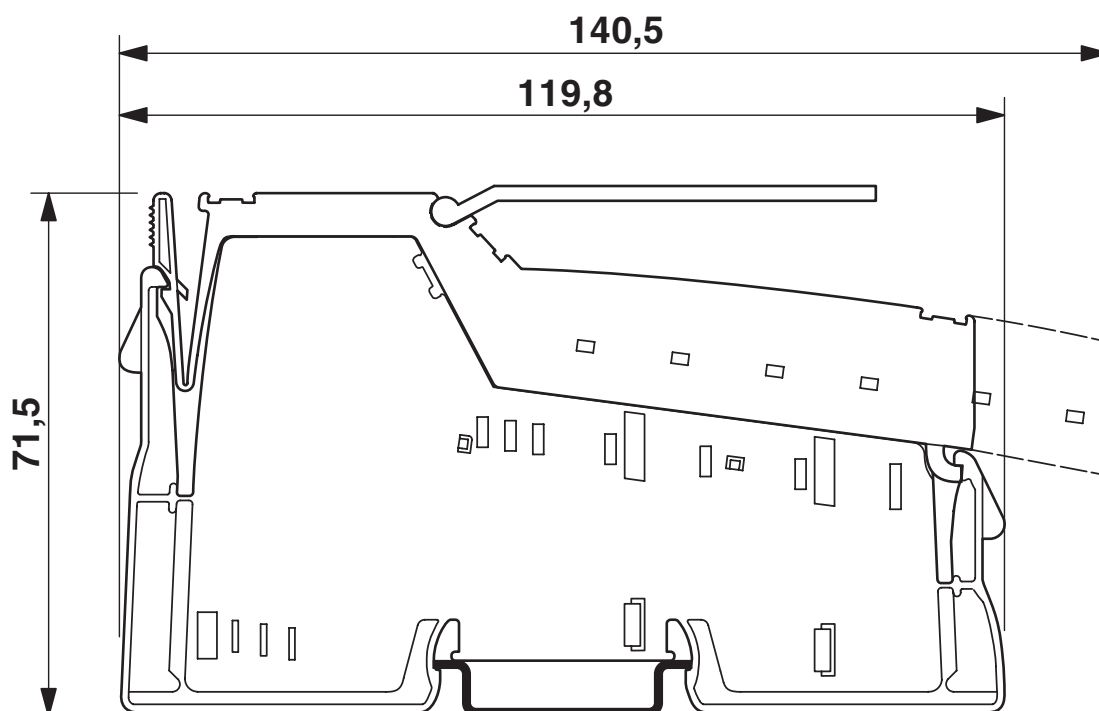
Protection class	I (IEC 61140, EN 61140, VDE 0140-1)
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Mounting

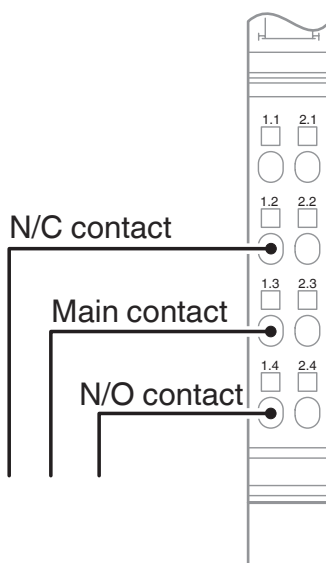
Mounting type	DIN rail mounting
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Drawings

Dimensional drawing



Connection diagram



Environmental product compliance

EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
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