

# IB IL 24/230 DOR1/W-PC - Inline terminal



2860400

<https://www.phoenixcontact.com/us/products/2860400>

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Inline digital output terminal block, without accessories, 1 relay changeover contact, 5 - 253 V AC, 3A

## Product description

The terminal is designed for use within an Inline station. It has one floating SPDT relay contact. The terminal is suitable for switching inductive and capacitive loads. The terminal can be used in the PELV area and in the AC area. Thanks to special engineering measures and tests, the terminal can be used under extreme ambient conditions. For switching voltages below 12 V or currents below 100 mA, please use the IB IL 24/230 DOR 1/W-PAC: terminal. - Safe isolation in accordance with EN 50178 - Floating connection for one actuator - Nominal current at the output: 2.2 A - Total current of the terminal: 2.6 A - Diagnostic and status indicators

## Commercial data

Item number	2860400
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	NULL
Product key	DRI133
GTIN	4017918877026
Weight per piece (including packing)	64.5 g
Weight per piece (excluding packing)	47.12 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

Connection method	Inline data jumper
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### 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

### Output data

#### Digital:

Output name	Relay output
Connection method	Spring-cage connection
Connection technology	floating changeover relay contact
Number of outputs	1
Protective circuit	Overload protection, short-circuit protection of outputs
Maximum output current per channel	2.6 A

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Maximum output current per module	2.6 A
Output voltage range	5 V AC ... 253 V AC

## Product properties

Product type	I/O component
Product family	Inline
Type	modular
No. of channels	1

## Electrical properties

### 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 <sup>2</sup> ... 1.5 mm <sup>2</sup>
Conductor cross-section, flexible	0.08 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>
Conductor cross-section AWG	28 ... 16

## 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

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Mounting type	DIN rail mounting
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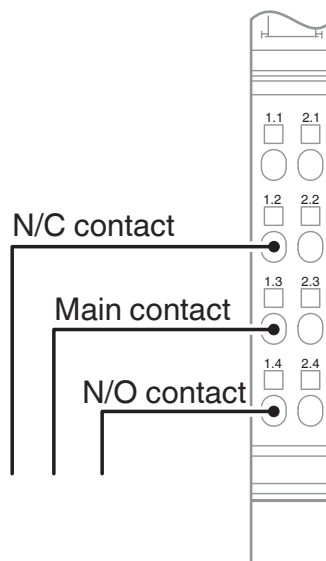
<https://www.phoenixcontact.com/us/products/2860400>

## Drawings

Dimensional drawing



Connection diagram



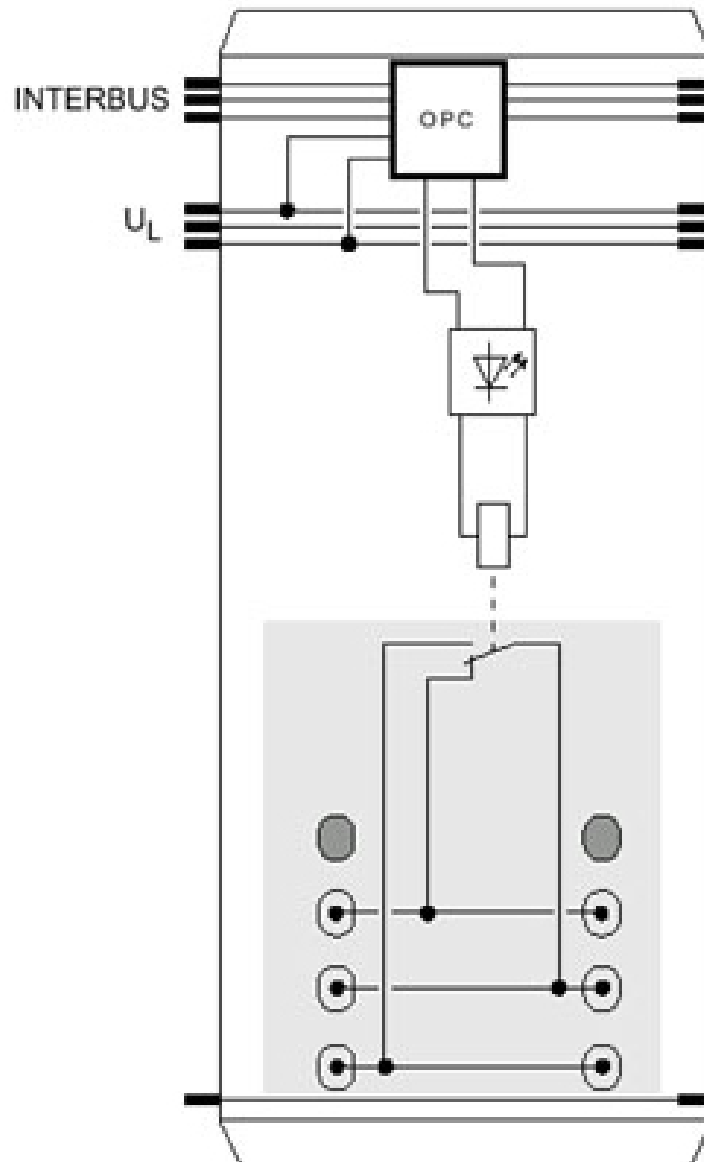
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Block diagram



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## Environmental product compliance

EU REACH SVHC

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