PHŒNIX CONTACT

Inline terminal - IB IL 24/230 DOR1/W-PAC - 2861881

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Inline digital output terminal block, complete with accessories (connector and labeling field), 1 relay PDT contact gold contact, 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.

Product Features

☑ 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
Weight per Piece (excluding packing)	79.4 GRM
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

Dimensions

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Technical data

Dimensions

Width	12.2 mm
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 to 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	500 kBit/s

Power supply for module electronics

Supply voltage	24 V DC (nominal value)
Supply voltage range	19.2 V DC ... 30 V DC (including all tolerances, including ripple)
Communications power U_L	7.5 V (via voltage jumper)
Current consumption	max. 60 mA (from the local bus)
Power consumption	max. 0.45 W (from the local bus)

Inline potentials

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

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Technical data

Digital outputs

Output name	Relay output
Connection method	Spring-cage connection
	Floating SPDT relay contact
Number of outputs	1
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

Approvals

UL Recognized / cUL Recognized / GOST / LR / GL / BV / DNV / ABS / GL-SW / BSH / cULus Recognized / GL

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Approvals

Ex Approvals

UL Listed / cUL Listed / cUL Listed / cULus Listed / cULus Listed

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Approvals submitted

Approval details

UL Recognized

cUL Recognized

GOST

LR

GL

BV

DNV

ABS

GL-SW

BSH

cULus Recognized

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Approvals

GL

Accessories

Accessories

Connector set

Connector set - IB IL DOR LV-PLSET - 2742667

Connector set for distance terminal

Distance terminal

Inline terminal - IB IL DOR LV-SET - 2742641

Inline distance terminal, without accessories

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

Inline distance terminal, complete with accessories

Inline terminal - IB IL DOR LV-SET - 2742641

Inline distance terminal, without accessories

Labeling panel

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Accessories

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

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
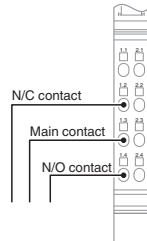
Insert strip - ESL 62X46 - 0809502

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

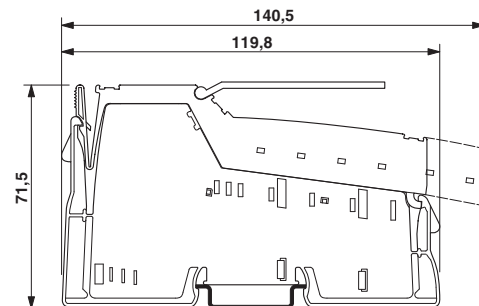# Inline terminal - IB IL 24/230 DOR1/W-PAC - 2861881
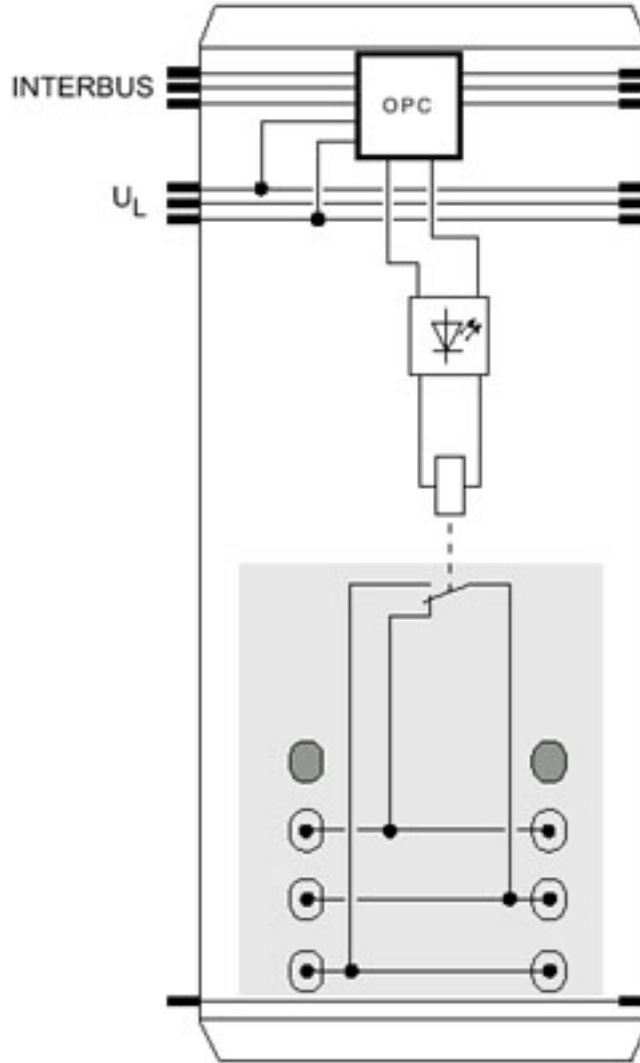
Accessories

Drawings

Connection diagram

N/C contact
Main contact
N/O contact

Dimensioned drawing

140,5
119,8
71,5

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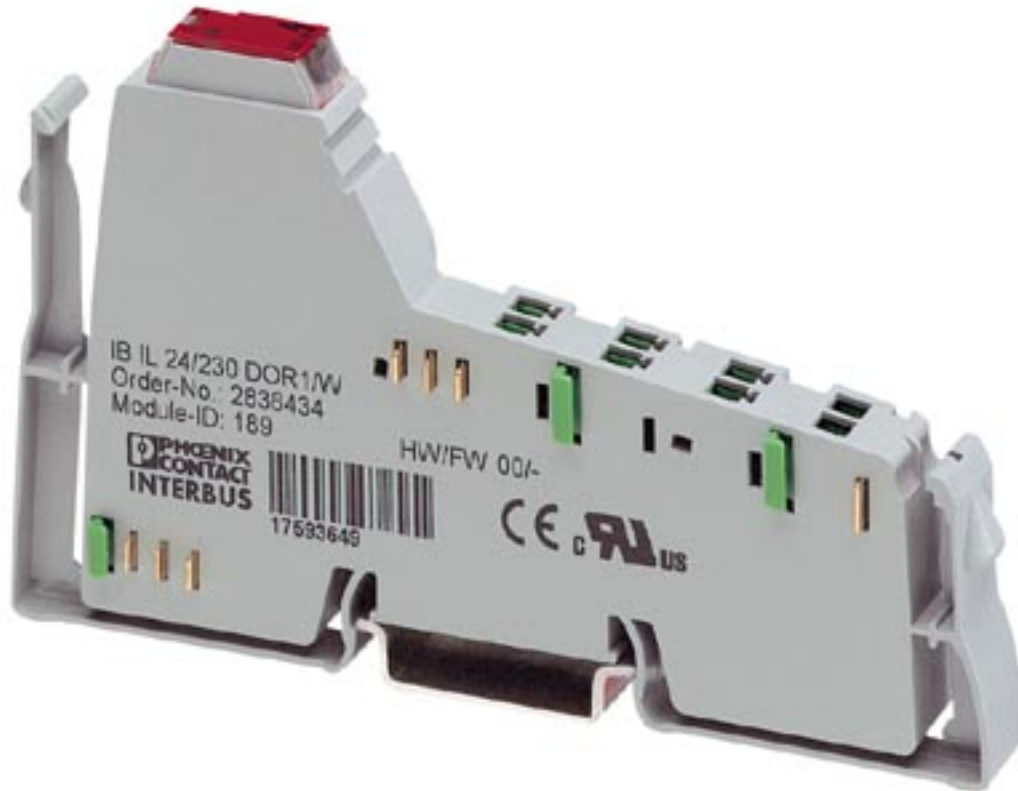
Block diagram

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Catalog photo

Figure may contain other products.