

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

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Inline digital output terminal block, complete with accessories (plug 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

package_quantity	1
GTIN	4017918894580

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
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

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Technical data

Ambient conditions

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
Test section	Contact to contact 1 kV 50 Hz 1 min
Test section	Contact / PE 1 kV 50 Hz 1 min

Interfaces

Name	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)

Digital outputs

Output name	Relay output
Connection method	Spring-cage connection
Connection method	Floating SPDT relay contact
Number of outputs	1
Maximum output current per channel	3 A
Maximum output current per module	3 A

classifications

eCI@ss

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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
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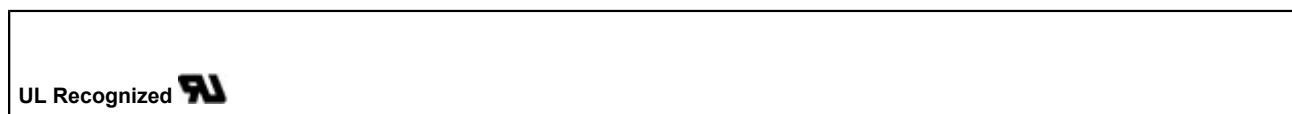
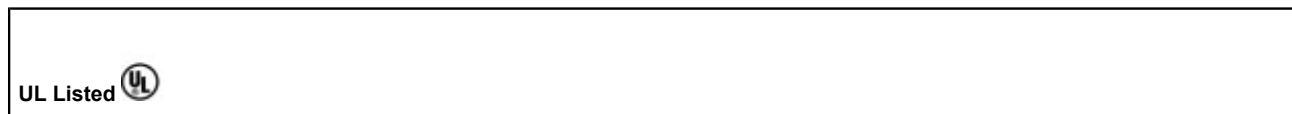
UNSPSC

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approvals

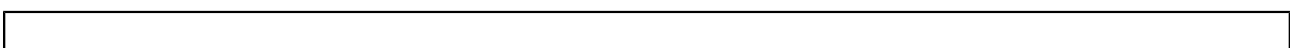
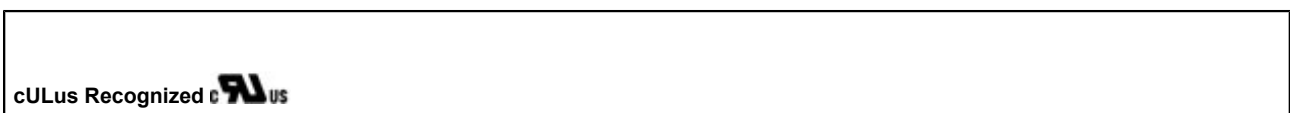
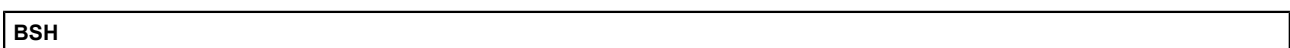
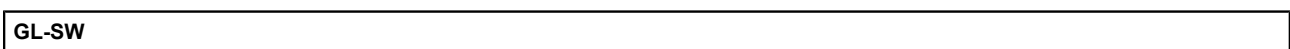
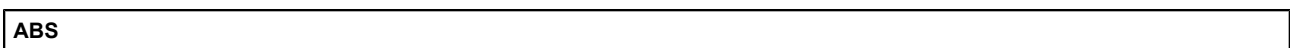
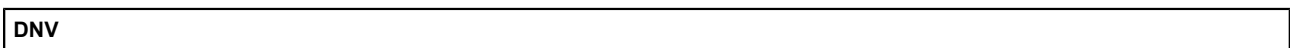
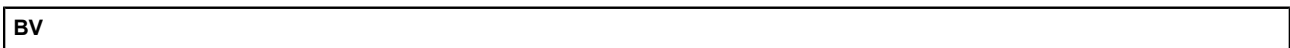
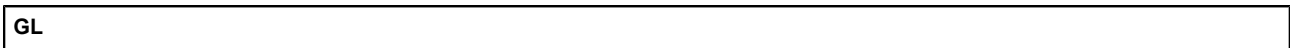
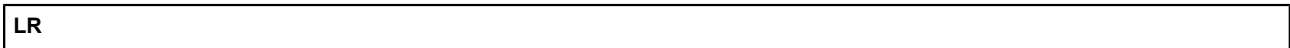
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Approval details



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accessories

Plug

IB IL SCN-8-AC-REL - 2740290



Labeling panel

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accessories

IB IL FIELD 2 - 2727501



IB IL FIELD 8 - 2727515



Terminal marking

ESL 62X10 - 0809492



ESL 62X46 - 0809502



Distance terminal

IB IL DOR LV-SET - 2742641



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IB IL DOR LV-SET-PAC - 2861645



IB IL DOR LV-SET - 2742641



Connector set

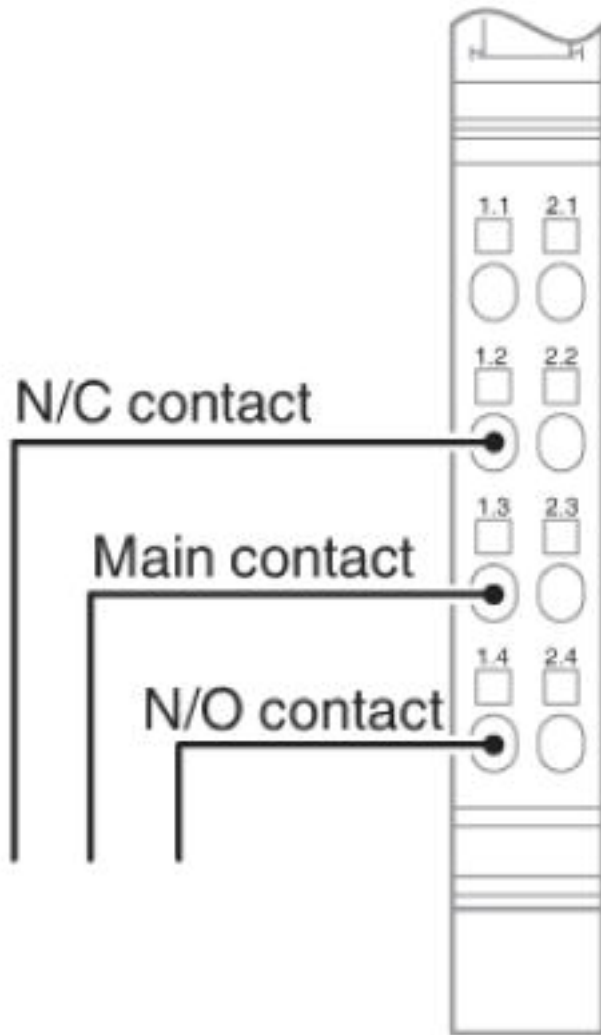
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Drawings

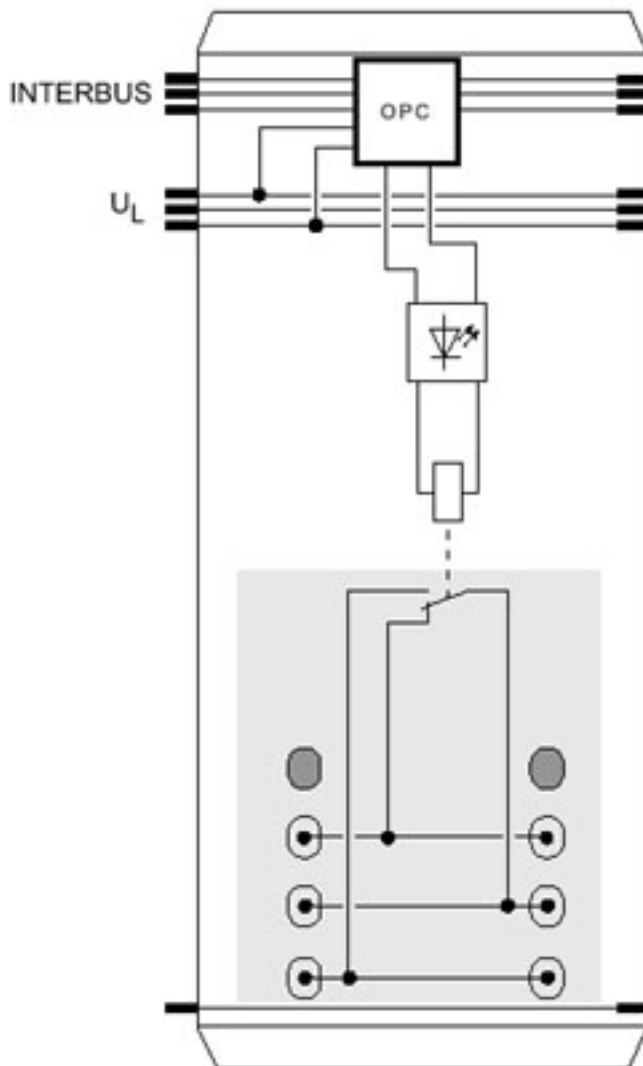
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Connection diagram



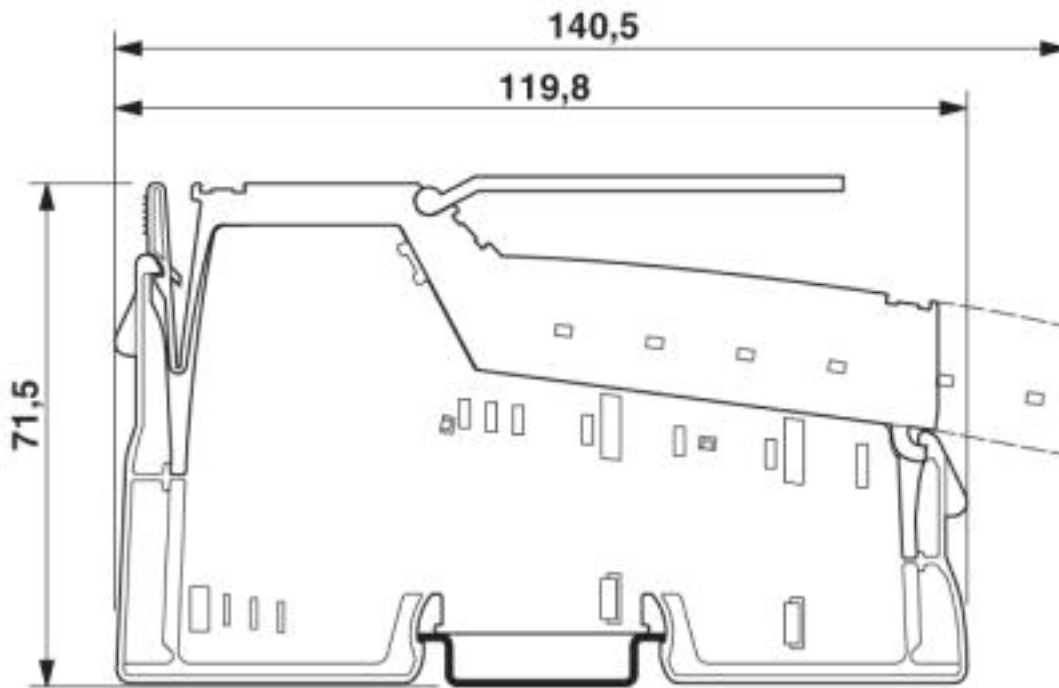
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Block diagram



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Dimensioned drawing



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