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IB IL 24/230 DOR1/W

Order No.: 2836434

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

← MUX≡

Commercial data

GTIN (EAN)	4 017918 160173
sales group	K411
Pack	1 pcs.
Customs tariff	85389091
Catalog page information	Page 71 (AX-2007)

Product notes

WEEE/RoHS-compliant since: 01/29/2007

http:// www.download.phoenixcontact.com Please note that the data given here has been taken from the online catalog. For comprehensive information and data, please refer to the user documentation. The General Terms and Conditions of Use apply to Internet downloads.

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 connector, 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 connector.

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.

Technical data

Interface

Name	INTERBUS local bus
Type of connection	Inline data jumper
Transmission speed	500 kBaud

Digital outputs

Output name	Relay output
Type of connection	Spring-cage connection
Connection method	Floating SPDT relay contact
Number of outputs	1
Protective circuit	Overload protection, short-circuit protection of outputs
Maximum output current per channel	3 A
Maximum output current per module	3 A

Power supply for module electronics

Supply voltage	24 V DC (nominal value)
Supply voltage range	19.2 V DC ... 30 V DC
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)

General data

Width	12.2 mm
Height	119.8 mm
Depth	71.5 mm
Note on dimensions	Housing dimensions
Weight	46 g
Note on weight specifications	Without plug
Mounting type	DIN rail
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
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

Inline potential routing

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)
Current consumption from U_{ANA}	0 A DC

Certificates / Approvals

Certification   ABS, BV, CUL, DNV, GL, GOST, LR, UL

Certification Ex: CUL-EX LIS, UL-EX LIS

Accessories

Item	Designation	Description

General

2742641	IB IL DOR LV-SET	Inline distance terminal, without accessories
2742641	IB IL DOR LV-SET	Inline distance terminal, without accessories
2861645	IB IL DOR LV-SET-PAC	Inline distance terminal, complete with accessories

Marking

| 0809492	ESL 62X10	Insert strip for laser printer, lettering field: 62 x 10 mm
0809502	ESL 62X46	Insert strip for laser printer, lettering field: 62 x 46 mm
2727501	IB IL FIELD 2	Labeling field, width: 12.2 mm

| 2727515 | IB IL FIELD 8 | Labeling field, width: 48.8 mm |

Plug/Adapter

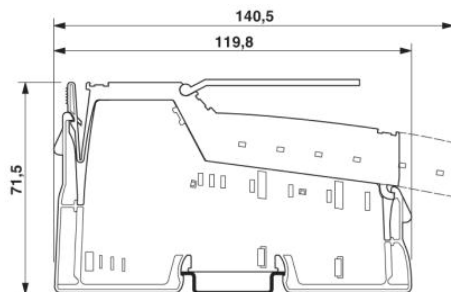| 2742667 | IB IL DOR LV-PLSET | Connector set for distance terminal |
| 2740290 | IB IL SCN-8-AC-REL | Plug, for digital 1, 2 or 8-channel Inline terminals with AC voltage |

Diagrams/Drawings

Connection diagram
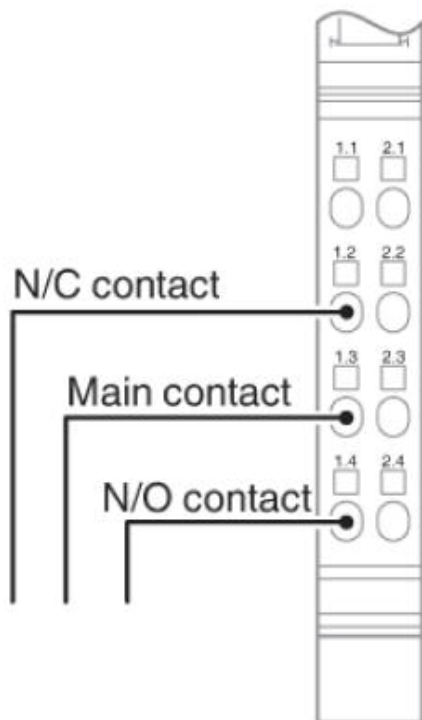
Block diagram
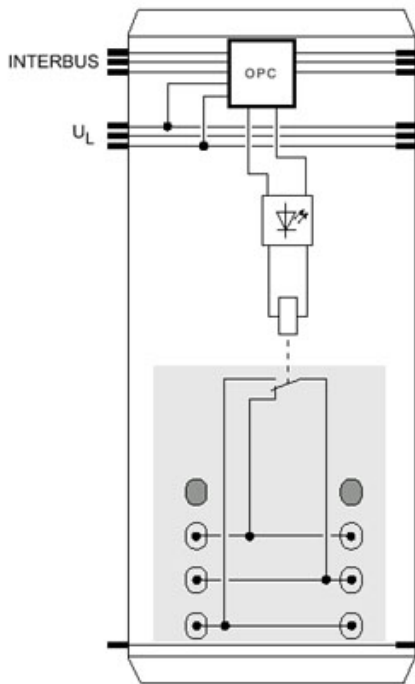
Dimensioned drawing

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