

Inline terminal - IB IL 230 DI 1-PAC - 2861548

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Inline digital input terminal block, complete with accessories (connector and labeling field), 1 input, 230 V AC, 3-wire connection method

Product description

The digital Inline input terminals are designed for the connection of digital signals as are supplied from control switches, limit switches or proximity switches.

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 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

- Connections for one digital sensor
- Maximum permissible load current: 500 mA



Key commercial data

Packing unit	1 pc
Weight per Piece (excluding packing)	74.9 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
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Dimensions

Width	12.2 mm
Height	119.8 mm
Depth	71.5 mm

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Technical data

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)	80 kPa ... 160 kPa (up to 2000 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	39 g
Note on weight specifications	Without plug
Mounting type	DIN rail
Protection class	I, IEC 61140, EN 61140, VDE 0140-1
Test section	5 V supply, incoming remote bus/7.5 V supply (bus logics) 500 V AC 50 Hz 1 min
	5 V supply, outgoing remote bus/7.5 V supply (bus logics) 500 V AC 50 Hz 1 min
	7.5 V supply (bus logics) / I/O area 2500 V AC 50 Hz 1 min
	Routine test 1200 V AC 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	230 V AC (via voltage jumper)
Supply voltage range	12 V AC ... 253 V AC
Communications power U_L	7.5 V (via voltage jumper)
Current consumption	max. 30 mA (from the local bus)

Inline potentials

Communications power U_L	7.5 V
Current consumption from U_L	max. 30 mA
Main circuit supply U_M	230 V AC
Current consumption from U_M	max. 0.25 A

Digital inputs

Input name	Digital inputs
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Technical data

Digital inputs

Connection method	Spring-cage connection
	2, 3-wire
Number of inputs	1 (EN 61131-2 type 1)
Input voltage	230 V AC (via voltage jumper)
Input voltage range "0" signal	0 V AC ... 40 V AC
Input voltage range "1" signal	164 V AC ... 253 V AC

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

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UL Recognized / cUL Recognized / GOST / UL Recognized / cUL Recognized / GOST / cULus Recognized

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Approvals

Ex Approvals

Approvals submitted


Approval details


UL Recognized 

cUL Recognized 

GOST 

UL Recognized 

cUL Recognized 

GOST 

cULus Recognized 

Accessories

Accessories

Labeling panel

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Accessories

Labeling field - IB IL FIELD 2 - 2727501

Labeling field, width: 12.2 mm



Plug

Inline connector - IB IL SCN-8-AC-ICP - 2740261



Plug, colored identification, for digital 1, -2 or 8-channel Inline input terminal blocks with AC voltage

Terminal marking

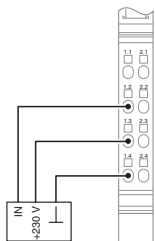
Insert strip - ESL 62X10 - 0809492

Insert strip, Sheet, white, unlabeled, can be labeled with: Office printing systems, Plotter: Laser printer, Mounting type: Insert, Lettering field: 62 x 10 mm

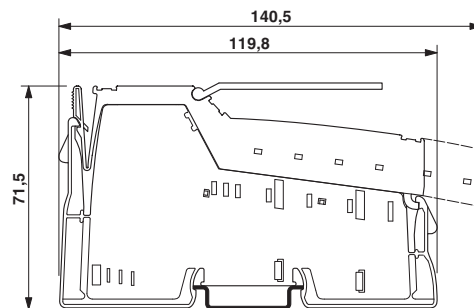


Drawings

Connection diagram

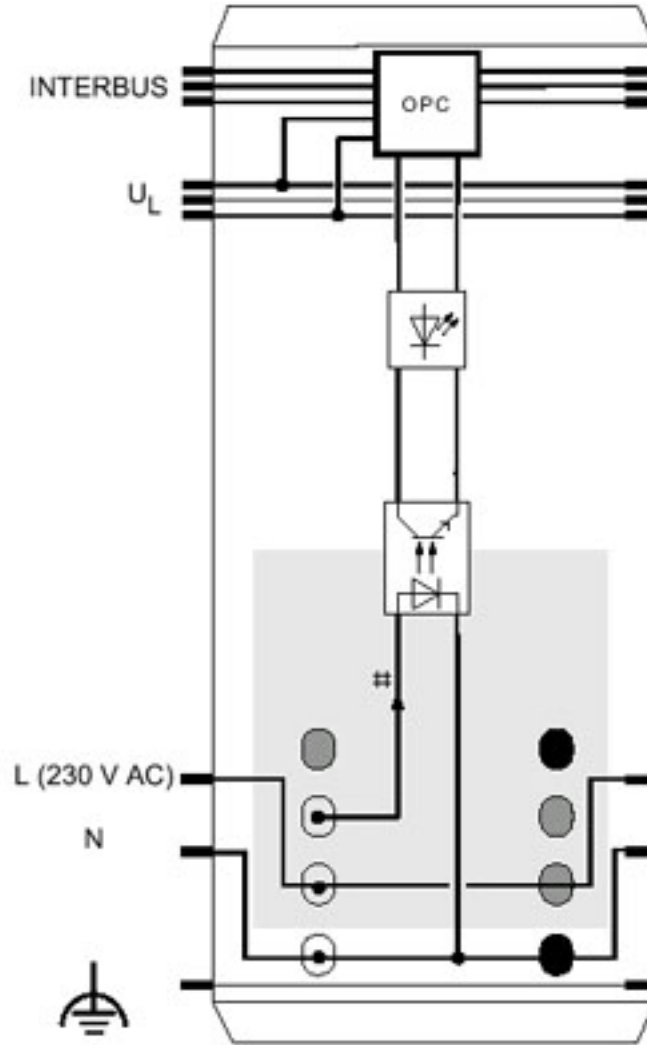


Dimensioned drawing



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Block diagram



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Catalog photo



Figure may contain other products.