


IB IL 230 DI 1

Order No.: 2740342

<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2740342>

Inline digital input terminal block, without accessories, 1 input, 230 V AC, 3-wire connection method



| Commercial data | |
|--------------------------|--|
| GTIN (EAN) |  4 017918 575304 |
| sales group | K411 |
| Pack | 1 pcs. |
| Customs tariff | 85389091 |
| Catalog page information | Page 65 (AX-2007) |

Product notes

WEEE/RoHS-compliant since:
07/01/2006



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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.

Technical data**Interface**

| | |
|--------------------|--------------------|
| Name | Local bus |
| Connection method | Inline data jumper |
| Transmission speed | 500 kBaud |

Digital inputs

| | |
|--------------------------------|-------------------------------|
| Input name | Digital inputs |
| Description of the input | EN 61131-2 type 1 |
| Connection method | Spring-cage connection |
| | 2, 3-wire |
| Number of inputs | 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 |

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) |

General data

| | |
|--|---|
| Width | 12.2 mm |
| Height | 119.8 mm |
| Depth | 71.5 mm |
| Weight | 39 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) | 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 |
| Protection class | I, IEC 61140, EN 61140, VDE 0140-1 |
| Test section | 5 V supply incoming remote bus/7.5 V supply (bus logic) 500 V AC 50 Hz 1 min |
| | 5 V supply outgoing remote bus/7.5 V supply (bus logic) 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 |

Inline potential routing

| | |
|--------------------------------|-------------|
| 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 |

Certificates / Approvals



Certification

CUL, GOST, UL

Accessories

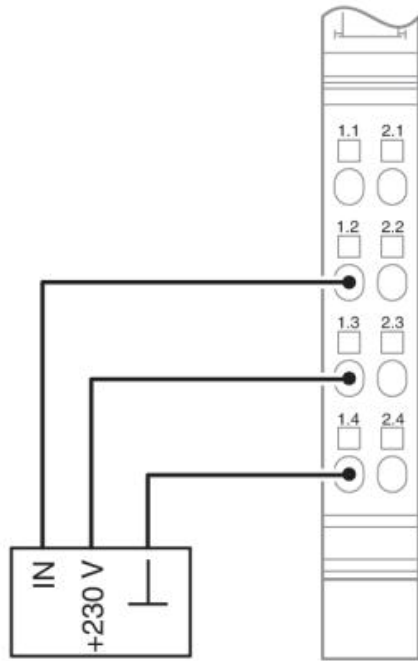
| Item | Designation | Description |
|----------------|---------------|---|
| Marking | | |
| 0809492 | ESL 62X10 | Insert strip for laser printer, lettering field: 62 x 10 mm |
| 2727501 | IB IL FIELD 2 | Labeling field, width: 12.2 mm |

Plug/Adapter

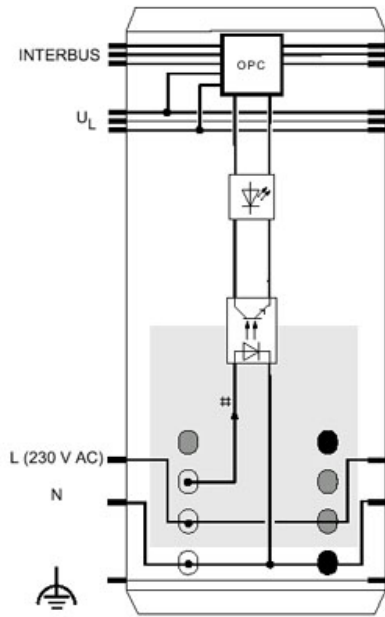
| | | |
|---------|--------------------|---|
| 2740261 | IB IL SCN-8-AC-ICP | Plug, colored identification, for digital 1, -2 or 8-channel Inline input terminal blocks with AC voltage |
|---------|--------------------|---|

Diagrams/Drawings

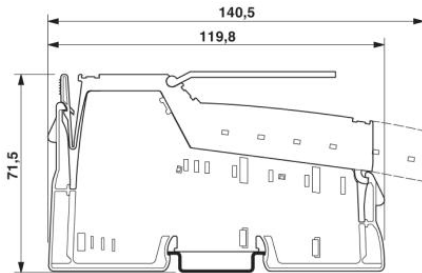
Connection diagram



Block diagram



Dimensioned drawing



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