

## IB IL 230 DI 1-PAC

Order No.: 2861548



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



### Commercial data

EAN	4017918907433
Pack	1 Pcs.
Customs tariff	85389091
Weight/Piece	0.0749 KG
Catalog page information	Page 65 (AX-2007)

### Product notes

WEEE/RoHS-compliant since:  
03/22/2007



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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
Type of connection	Inline data jumper
Transmission rate	500 kBaud

##### Digital inputs

Input name	Digital inputs
Description of the input	EN 61131-2 type 1
Type of connection	Spring-cage connection
Connection system	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)
Range of supply voltages	12 V AC ... 253 V AC
Communications voltage $U_L$	7.5 V (via voltage jumper)
Current consumption	Max. 30 mA (from the local bus)

##### General data

Weight	39 g
Note on weight specifications	Without plug
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
Class of protection	III, IEC 61140

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
Mounting type	DIN rail

#### Inline potential routing

Communications voltage $U_L$	7.5 V
Current consumption from $U_L$	Max. 30 mA
Supply for main circuit $U_M$	230 V AC
Current consumption from $U_M$	Max. 0.25 A

#### Certificates / Approvals

##### Approval logo



##### requested approbations

Certification	CUL, GOST, UL
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#### Accessories

Item	Designation	Description
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##### Literature

2745554	IB IL SYS PRO UM	User Manual, German, for configuring and installing the INTERBUS Inline product range
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##### 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

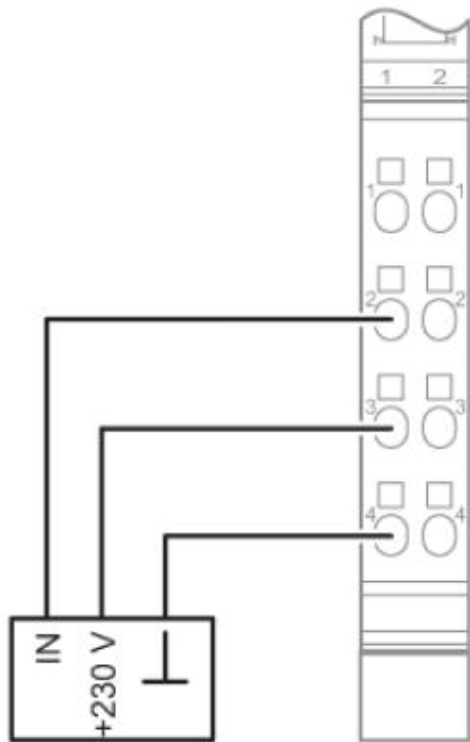
##### Plug/Adapter

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

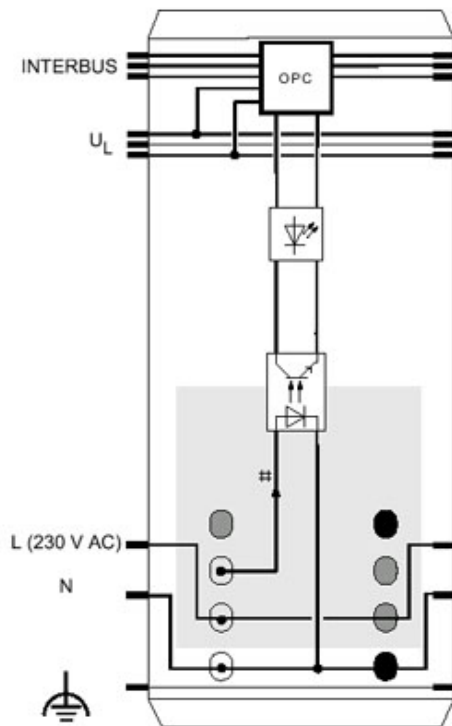
### Connection diagram

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#### Block diagram

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#### Dimensioned drawing

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