

# IB IL 120 DI 1-PAC


Order No.: 2861917



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Inline digital power terminal block, complete with accessories (connector and labeling field), 1 input, 120 V AC, 3-wire connection method



Commercial data	
GTIN (EAN)	 4 017918 907464
sales group	K411
Pack	1 pcs.
Customs tariff	85389091
Catalog page information	Page 273 (AX-2009)

### Product notes

WEEE/RoHS-compliant since:  
08/26/2008



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Technical data	
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

#### Interface

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

#### Power supply for module electronics

Supply voltage	120 V AC (via voltage jumper)
Supply voltage range	108 V AC ... 135 V AC
Communications power $U_L$	7.5 V (via voltage jumper)
Current consumption	max. 30 mA (from the local bus)

#### Inline potential routing

Communications power $U_L$	7.5 V
Current consumption from $U_L$	max. 30 mA
Main circuit supply $U_M$	120 V AC
Current consumption from $U_M$	max. 0.25 A

#### Digital inputs

Input name	Digital inputs
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Description of the input	EN 61131-2 type 1
Type of connection	Spring-cage connection
Connection method	2, 3-wire
Number of inputs	1
Input voltage	120 V AC (via voltage jumper)
Input voltage range "0" signal	0 V AC ... 40 V AC
Input voltage range "1" signal	77 V AC ... 135 V AC

### Certificates / Approvals



Certification CUL, GOST, UL

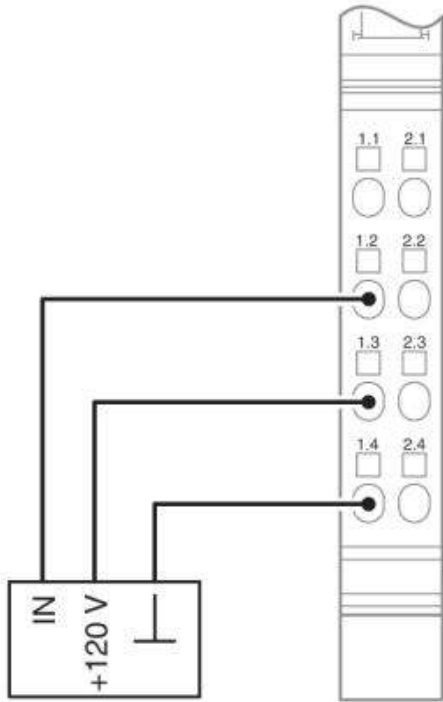
### Accessories

Item	Designation	Description
<b>Marking</b>		
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
<b>Plug/Adapter</b>		
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**

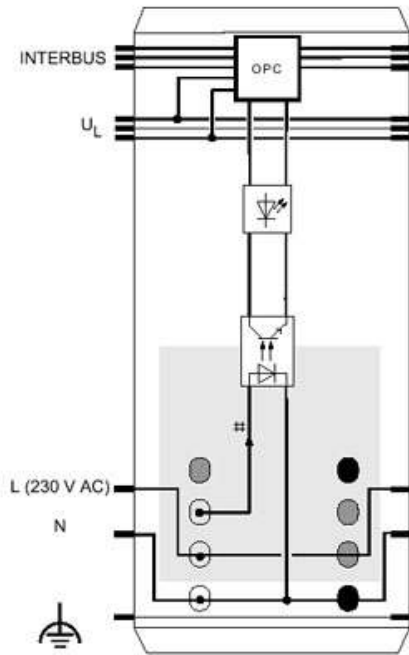
Connection diagram

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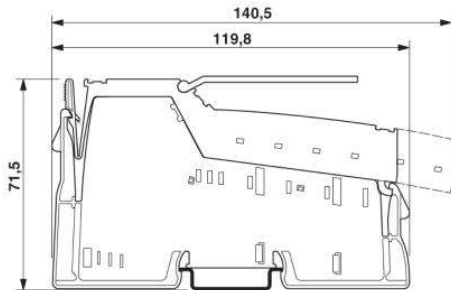
Block diagram

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Dimensioned drawing

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