

# IB IL 24 DO 8-2A-PAC

Order No.: 2861603




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Inline digital output terminal block, complete with accessories (connecting plug and labeling field), 8 outputs, 24 V DC, 4-wire connection method



## Commercial data

GTIN (EAN)	 4 017918 894450
sales group	K411
Pack	1 pcs.
Customs tariff	85389091
Catalog page information	Page 275 (AX-2009)

## Product notes

WEEE/RoHS-compliant since:  
05/30/2007



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## Technical data

### General data

Width	48.8 mm
Height	119.8 mm
Depth	71.5 mm

Note on dimensions	Housing dimensions
Weight	130 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)	10 % ... 95 % (according to DIN EN 61131-2)
Permissible humidity (storage/transport)	10 % ... 95 % (according to DIN EN 61131-2)
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	III, 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)/24 V supply (I/O) 500 V AC 50 Hz 1 min
	24 V supply (I/O) / functional earth ground 500 V AC 50 Hz 1 min
Diagnostics messages	Short-circuit / overload of the digital outputs Error message in the diagnostic code (bus) and display (2 Hz) via the LED (D) on the module

#### Interface

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

#### Power supply for module electronics

Supply voltage	24 V DC (via voltage jumper)
Supply voltage range	19.2 V DC ... 30 V DC (including all tolerances, including ripple)
Communications power $U_L$	7.5 V (via voltage jumper)
Current consumption	max. 60 mA (from the local bus)

#### Inline potential routing

Communications power $U_L$	7.5 V DC
Current consumption from $U_L$	max. 60 mA
Main circuit supply $U_M$	24 V DC
Segment supply voltage $U_S$	24 V DC (nominal value)
Current consumption from $U_S$	max. 8 A

### Digital outputs

Output name	Digital outputs
Type of connection	Spring-cage connection
Connection method	2, 3, 4-wire
Number of outputs	8
Protective circuit	Overload protection, short-circuit protection of outputs
Output voltage	24 V DC ( $U_s - 1$ V)
Nominal output voltage	24 V DC (voltage difference at $I_{nom} \leq 1$ V)
Maximum output current per channel	2 A
Maximum output current per module	8 A
Nominal load, inductive	48 W
Nominal load, lamp	48 W
Nominal load, ohmic	48 VA

### Certificates / Approvals



Certification

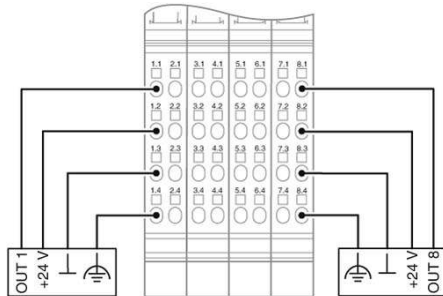
CUL, GOST, TUEV-N, TUEV-RH, UL

### Accessories

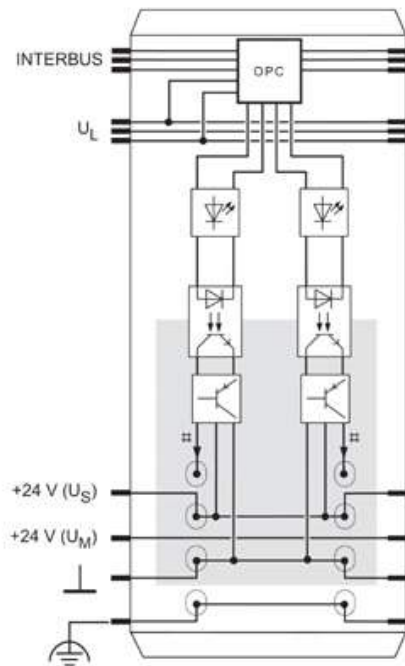
Item	Designation	Description
<b>Marking</b>		
0809492	ESL 62X10	Insert strip for laser printer, lettering field: 62 x 10 mm
0809502	ESL 62X46	Insert strip for laser printer, lettering field: 62 x 46 mm
2727501	IB IL FIELD 2	Labeling field, width: 12.2 mm
2727515	IB IL FIELD 8	Labeling field, width: 48.8 mm
<b>Plug/Adapter</b>		
2860963	IB IL DI/DO 8-PLSET/CP	Connector set, for IB IL DI/DO 8, copper, with color print.
2726337	IB IL SCN-8	Connector, for digital 1, 2 or 8-channel Inline terminals
2727608	IB IL SCN-8-CP	Inline connector, colored

## Diagrams/Drawings

### Connection diagram

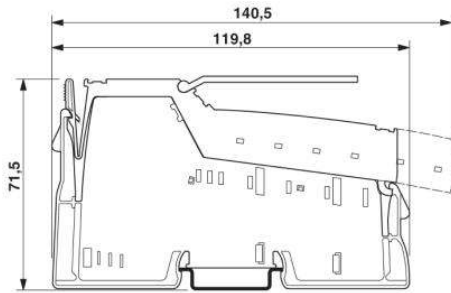


### Block diagram



Dimensioned drawing

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**Address**

PHOENIX CONTACT Deutschland GmbH  
Flachmarktstr. 8  
32825 Blomberg, Germany  
Phone +49 5235 3 12000  
Fax +49 5235 3 41200  
<http://www.phoenixcontact.de>



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