

# IB IL 24 DO 2-NPN-PAC

Order No.: 2861496



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Inline digital output terminal block, complete with accessories (plug connector and labeling field), 2 outputs, 24 V DC, npn-wired, 2, 3, 4-wire connection system



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## Commercial data

EAN	4017918894412
Pack	1 Pcs.
Customs tariff	85389091
Weight/Piece	0.0763 KG
Catalog page information	Page 69 (AX-2007)

## Technical data

### Interface

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

### Digital outputs

Output name	Digital outputs
Output description	With negative logic
Type of connection	Spring-cage connection
Connection system	2, 3, 4-wire

Number of outputs	2
Maximum output current per channel	500 mA
Protective circuitry	Short circuit and overload protection
Output voltage	24 V DC ( $U_S - 1 \text{ V}$ )
Nominal output voltage	24 V DC (voltage difference at $I_{nom} \leq 1 \text{ V}$ )
Maximum output current per module	1 A
Maximum output current per channel	500 mA
Nominal load, inductive	12 VA
Nominal load, lamp	12 W
Nominal load, ohmic	12 W
<b>Power supply for module electronics</b>	
Supply voltage	24 V DC (via voltage jumper)
Range of supply voltages	19.2 V DC ... 30 V DC
Communications voltage $U_L$	7.5 V (via voltage jumper)
Current consumption	Max. 32 mA (from the local bus)
<b>General data</b>	
Weight	42 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)	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
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)/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
Mounting type	DIN rail

#### Inline potential routing

Communications voltage $U_L$	7.5 V DC
Current consumption from $U_L$	Max. 32 mA
Supply for main circuit $U_M$	24 V DC
Segment power supply voltage $U_S$	24 V DC (nominal value)
Current consumption from $U_S$	Max. 1 A

#### Certificates / Approvals

Approval logo



#### requested approbations

Certification	CUL, GOST, UL
Certification Ex:	CUL-EX LIS, UL-EX LIS

#### 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

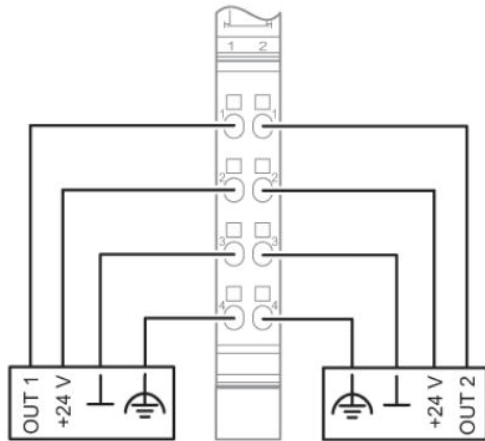
0809492	ESL 62X10	Insert strip for laser printer, lettering field: 62 x 10 mm
2727501	IB IL FIELD 2	Labeling field, width: 12.2 mm

#### Plug/Adapter

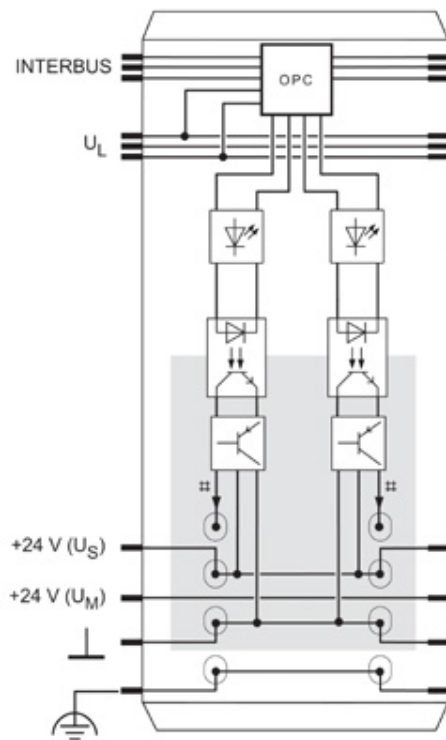
2726337	IB IL SCN-8	Connector, for digital 1, 2 or 8-channel Inline terminals
2727608	IB IL SCN-8-CP	Inline connector, colored

## Drawings

### Connection diagram



### Block diagram



Dimensioned drawing

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