

# IB IL 24 DO 32/HD

Order No.: 2860934

The illustration shows the version IB IL 24 Do 32/HD-PAC



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Inline digital output terminal block, without accessories, 32 outputs, 24 V DC, 500 mA, single-wire connection method



Commercial data	
GTIN (EAN)	4 017918 907587
sales group	K411
Pack	1 pcs.
Customs tariff	85389091
Catalog page information	Page 67 (AX-2007)

**Product notes**

WEEE/RoHS-compliant since: 11/21/2007



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## Technical data

Interface	
Name	INTERBUS local bus
Connection method	Inline data jumper
Transmission speed	500 kBaud

### Digital outputs

Output name	Digital outputs
Connection method	Spring-cage connection
	1-wire
Number of outputs	32
Protective circuit	Overload protection, short-circuit protection of outputs
Output voltage	24 V ( $U_s - 1$ V)
Nominal output voltage	24 V DC (voltage difference at $I_{nom} \leq 1$ V)
Maximum output current per channel	500 mA
Maximum output current per module	8 A
Nominal load, inductive	12 VA
Nominal load, lamp	12 W
Nominal load, ohmic	12 W

### Power supply for module electronics

Supply voltage	24 V DC (via voltage jumper)
Supply voltage range	19.2 V DC ... 30 V DC
Communications power $U_L$	7.5 V (via voltage jumper)
Current consumption	max. 130 mA (from the local bus)
Power consumption	1.05 W

### General data

Width	48.8 mm
Height	119.8 mm
Depth	71.5 mm
Note on dimensions	Housing dimensions
Weight	135 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

#### Inline potential routing

Communications power $U_L$	7.5 V DC
Current consumption from $U_L$	max. 140 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

#### Certificates / Approvals



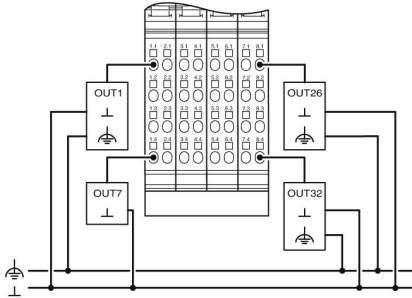
Certification	ABS, BV, CUL, DNV, GL, LR, UL
Certification Ex:	PxC-EX

#### Accessories

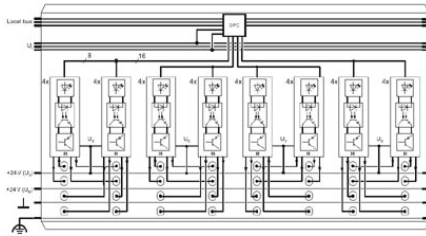
Item	Designation	Description
<b>General</b>		
2860950	IB IL DI/DO 8-PLSET	Connector set
<b>Marking</b>		
0809492	ESL 62X10	Insert strip for laser printer, lettering field: 62 x 10 mm
0809502	ESL 62X46	Insert strip for laser printer, lettering field: 62 x 46 mm
2727501	IB IL FIELD 2	Labeling field, width: 12.2 mm
2727515	IB IL FIELD 8	Labeling field, width: 48.8 mm

## Diagrams/Drawings

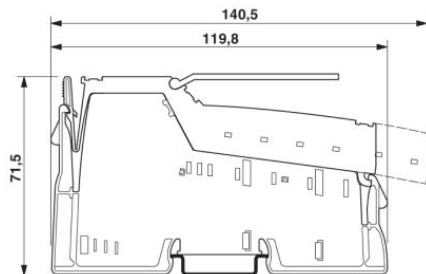
### Connection diagram



### Block diagram



### Dimensioned drawing



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