

# IB IL 24 DI 32/HD-2MBD-PAC


Order No.: 2692885

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



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2692885>

Inline digital input terminal, complete with accessories (connector and labeling field), 32 inputs, 24 V DC, transmission speed 2 Mbaud, single-wire connection method

Commercial data	
GTIN (EAN)	 4 046356 437455
sales group	K411
Pack	1 pcs.
Customs tariff	85389091
Catalog page information	Page 271 (AX-2009)

### Product notes

WEEE/RoHS-compliant since:  
11/20/2008



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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	185 g
Note on weight specifications	with male connectors
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	No None

#### Interface

Name	Local bus
Type of connection	Inline data jumper
Transmission speed	2 Mbps

#### Power supply for module electronics

Connection method	Via potential routing
Supply voltage	24 V DC (via voltage jumper)
Supply voltage range	19.2 V DC ... 30 V DC
Ripple	5%
Supply current	max. 90 mA
Derating	No derating
Communications power $U_L$	7.5 V (via voltage jumper)

#### Inline potential routing

Communications power $U_L$	7.5 V DC
Current consumption from $U_L$	max. 90 mA

Main circuit supply $U_M$	24 V DC
Current consumption from $U_M$	max. 8 A DC (UM-consumer project+)
Segment supply voltage $U_S$	24 V DC (nominal value)
Current consumption from $U_S$	0 A DC (US-consumer for project+)

#### Digital inputs

Input name	Digital inputs
Description of the input	EN 61131-2 type 1
Type of connection	Spring-cage connection
Connection method	1-wire
Number of inputs	32
Typical response time	2 ms
Protective circuit	Short-circuit and overload protection
Input voltage	24 V DC (via voltage jumper)
Input voltage range "0" signal	-3 V DC ... 5 V DC
Input voltage range "1" signal	15 V DC ... 30 V DC
Nominal input current at $U_{IN}$	Typ. 2.8 mA
Delay at signal change from 0 to 1	2 ms
Delay at signal change from 1 to 0	4 ms

#### Certificates / Approvals



Certification CUL, UL

#### Accessories

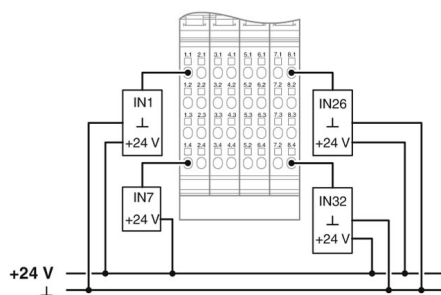
Item	Designation	Description
<b>General</b>		
2860950	IB IL DI/DO 8-PLSET	Connector set
2698724	IL SYS INST UM	User manual, German, for installing terminals from the Inline product range

**Marking**

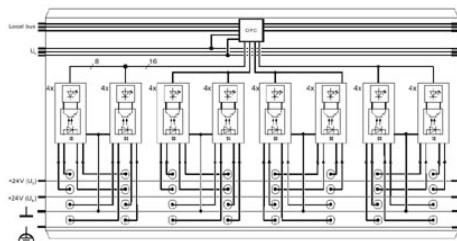
0809492	ESL 62X10	Insert strip for laser printer, lettering field: 62 x 10 mm
0809502	ESL 62X46	Insert strip for laser printer, lettering field: 62 x 46 mm
2727501	IB IL FIELD 2	Labeling field, width: 12.2 mm
2727515	IB IL FIELD 8	Labeling field, width: 48.8 mm

**Diagrams/Drawings**

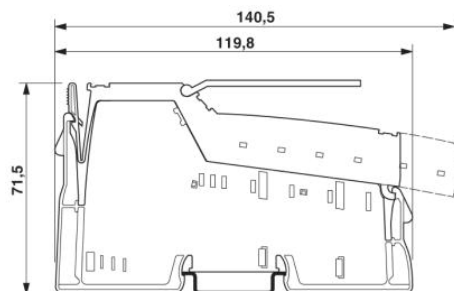
Connection diagram



Block diagram



Dimensioned drawing



**Address**

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