


IB IL 24 DO 32/HD-PAC

Order No.: 2862822

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Inline digital output terminal block, complete with accessories (plug and labeling field), 32 outputs, 24 V DC, 500 mA, single-wire connection method



Commercial data	
EAN	 4 017918 907617
sales group	K411
Pack	1 Pcs.
Customs tariff	85389091
Gross weight in pieces	0.2366 KG
Net weight per piece	0.20291 KG
Catalog page information	Page 207 (CAT-8-2013)

Product notes

WEEE/RoHS-compliant since:
11/22/2007



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Product description

The terminal is designed for use within an Inline station.

It is used to output digital signals.

Technical data

Dimensions

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

General data

Weight	195 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 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

Interface

Fieldbus system	Lokalbus
Name	Inline local bus
Connection method	Inline data jumper
Transmission speed	500 kbps
	500 kBit/s

Power supply for module electronics

Connection method	via potential routing
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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. 130 mA (from the local bus)
Power consumption	max. 1.05 W

Inline potentials

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

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 Zener diode in output chip
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 (1.2 H; 50 Ω)
Nominal load, lamp	12 W
Nominal load, ohmic	12 W (48 Ω)

Certificates / Approvals



Certification cULus Recognized, ABS, BSH, BV, DNV, GL, LR

Certification Ex: ATEX, cULus Listed

Certifications applied for:

Accessories

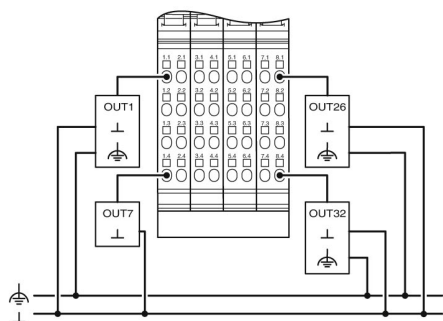
Item	Designation	Description
General		
2860950	IB IL DI/DO 8-PLSET	Connector set
2698724	IL SYS INST UM	User manual, German, for installing terminals from the Inline product range

Marking

0809492	ESL 62X10	Insert strip, Sheet, white, Unlabeled, Can be labeled with: Office printing systems, Plotter: Laser printer, Mounting type: Insert, Lettering field: 62 x 10 mm
0809502	ESL 62X46	Insert strip, Sheet, white, Unlabeled, Can be labeled with: Office printing systems, Plotter: Laser printer, Mounting type: Insert, 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

Drawings

Connection diagram



Dimensioned drawing



Address

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