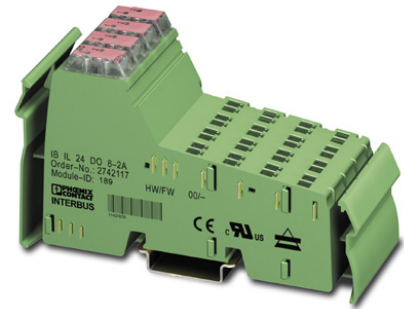


IB IL 24 DO 8-2A

Order No.: 2742117



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2742117>

Inline digital output terminal block, without accessories, 8 outputs, 24 V DC, 2 A, 4-wire connection method



Commercial data	
GTIN (EAN)	4017918818128
sales group	K411
Pack	1 pcs.
Customs tariff	85389091
Weight/Piece	0.1408 KG
Catalog page information	Page 67 (AX-2007)

Product notes

WEEE/RoHS-compliant since:
12/14/2007



<http://www.download.phoenixcontact.com>
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Product description

The digital Inline output terminals are designed for the connection of digital actuators, such as electromagnetic valves, contactors or visual indicators.

All the typical applications are covered by the standard automation terminals.

The I/O equipment is connected by a simple or an extended Inline connector, depending on the number of channels. The multi-wire connection method is available in both cases.

The Inline terminals can be labeled using hinged labeling fields. The fields have insert cards that can be labeled individually to suit the application. Additionally, there is the proven ZBFM-6... Zack strip for labeling the terminal points.

Technical data

Interface

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

Digital outputs

Output name	Digital outputs
Type of connection	Spring-cage connection
Connection method	2, 3, 4-wire
Number of outputs	8
Protective circuitry	Overload protection, short circuit protection of outputs
Output voltage	24 V DC ($U_s - 1 \text{ V}$)
Nominal output voltage	24 V DC (voltage difference at $I_{\text{nom}} \leq 1 \text{ V}$)
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

Power supply for module electronics

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. 60 mA (from the local bus)

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
Class of protection	Class 3 as per VDE 0106, IEC 61440
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

Inline potential routing

Communications voltage U_L	7.5 V DC
Current consumption from U_L	max. 60 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. 8 A

Certificates / Approvals



Certification

CUL, GOST, TUEV-N, UL

CUL

Nominal voltage U_N	24 V
Nominal current I_N	8 A

UL

Nominal voltage U_N	24 V
Nominal current I_N	8 A

Accessories

Item	Designation	Description
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Marking

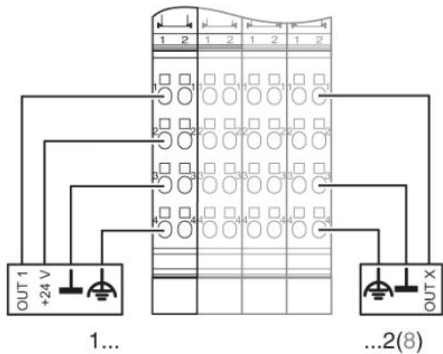
0809492	ESL 62X10	Insert strip for laser printer, lettering field: 62 x 10 mm
0809502	ESL 62X46	Insert strip for laser printer, lettering field: 62 x 46 mm
2727501	IB IL FIELD 2	Labeling field, width: 12.2 mm
2727515	IB IL FIELD 8	Labeling field, width: 48.8 mm

Plug/Adapter

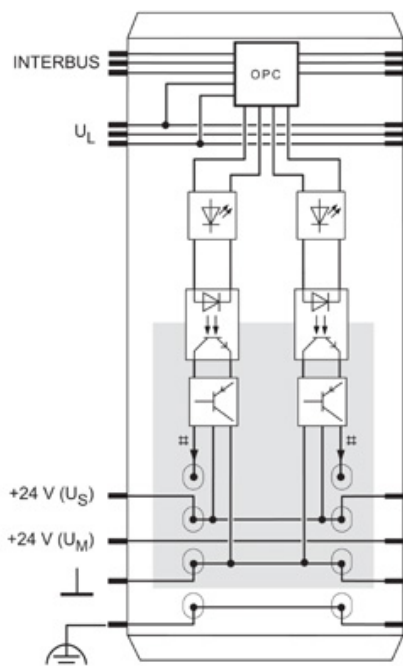
2860963	IB IL DI/DO 8-PLSET/CP	Connector set, for IB IL DI/DO 8, copper, with color print.
2726337	IB IL SCN-8	Connector, for digital 1, 2 or 8-channel Inline terminals
2727608	IB IL SCN-8-CP	Inline connector, colored

Diagrams/Drawings

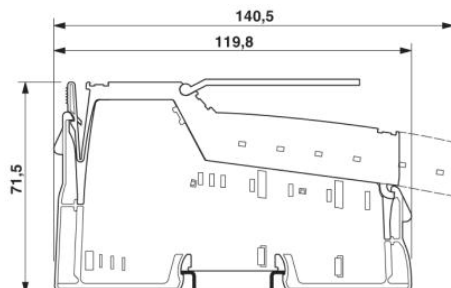
Connection diagram



Block diagram



Dimensioned drawing



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