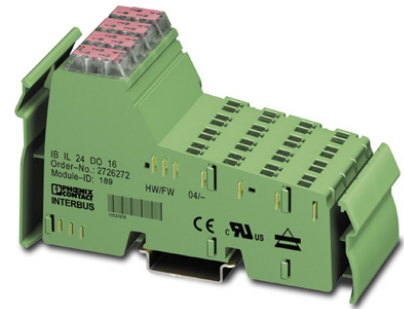


IB IL 24 DO16-2MBD

Order No.: 2855318



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2855318>


Inline digital output terminal block, without accessories, 16 outputs, 24 V DC, 500 mA, transmission speed 2 MBaud, 3-wire connection method



Commercial data	
GTIN (EAN)	4017918876906
sales group	K411
Pack	1 pcs.
Customs tariff	85389091
Weight/Piece	0.1447 KG
Catalog page information	Page 67 (AX-2007)

Product notes

WEEE/RoHS-compliant since:
06/01/2006



<http://www.download.phoenixcontact.com>
Please note that the data given here has been taken from the online catalog. For comprehensive information and data, please refer to the user documentation. The General Terms and Conditions of Use apply to Internet downloads.

Technical data

Interface	
Name	INTERBUS local bus
Type of connection	Via data marshalling
Transmission speed	2 MBaud
Digital outputs	
Output name	Digital outputs

Type of connection	Spring-cage connection
Connection method	2, 3-wire
Number of outputs	16
Protective circuitry	Overload protection, short circuit protection of outputs
Output voltage	24 V DC (via voltage jumper)
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	1 A
Nominal load, inductive	12 W
Nominal load, lamp	12 W
Nominal load, ohmic	12 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. 105 mA (from the local bus)
Power consumption	max. 0.79 W

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. 105 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 Listed, UL Listed

Accessories

Item	Designation	Description
Literature		
2745554	IB IL SYS PRO UM	User Manual, German, for configuring and installing the INTERBUS 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

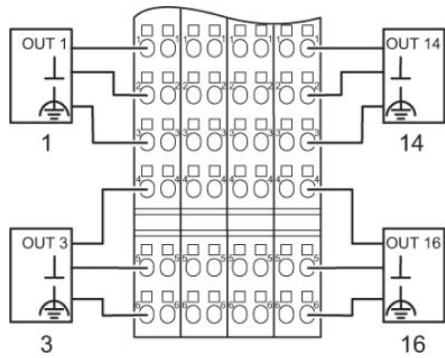
Plug/Adapter

2726340	IB IL SCN-12	Connector, for digital 4 or 16-channel Inline terminals
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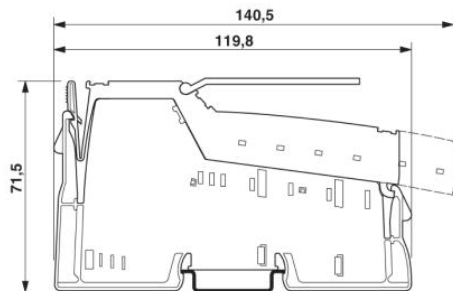
2727624	IB IL SCN-12-OCP	Connector, colored identification, for digital 4, or 16-channel Inline output terminal blocks
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Diagrams/Drawings

Connection diagram



Dimensioned drawing



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