


# IL DN BK DI8 DO4-PAC

Order No.: 2897211

<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2897211>

DeviceNet™ bus coupler, 8 inputs, 24 V DC, 4 outputs, 24 V DC, 500 mA, complete with I/O connectors



Commercial data	
GTIN (EAN)	 4 046356 103015
Note	Made-to-order
sales group	K410
Pack	1 pcs.
Customs tariff	85176200
Catalog page information	Page 256 (AX-2009)

**Product notes**

WEEE/RoHS-compliant since:  
05/06/2008



<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.

**Product description**

The bus coupler for the DeviceNet has 4 digital outputs and 8 digital inputs. This package contains all the necessary inline connectors for connecting the supply and the I/Os.

For project planning, the corresponding EDS (device master data) file for the product is provided in the download center.

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

## Technical data

### General data

Width	80 mm
Height	119.8 mm
Depth	71.5 mm
Note on dimensions	Specifications with male connectors
Weight	320 g
Note on weight specifications	with male connectors
Mounting type	DIN rail
Ambient temperature (operation)	-25 °C ... 55 °C
Ambient temperature (storage/transport)	-45 °C ... 85 °C
Permissible humidity (operation)	95 % (no condensation)
Permissible humidity (storage/transport)	85 % (no condensation)
Air pressure (operation)	80 kPa ... 106 kPa (up to 3000 m above sea level)
Air pressure (storage/transport)	70 kPa ... 106 kPa (up to 3500 m above mean sea level)
Degree of protection	IP20
Mechanical tests	Vibration resistance in acc. with IEC 60068-2-6 5g
	Shock test in acc. with IEC 60068-2-27 Operation: 25 g, 11 ms duration, semi-sinusoidal shock impulse

### Interface

Fieldbus system	Lokalbus
Name	Inline local bus
Type of connection	Inline data jumper
Transmission speed	500 Kbit / 2 Mbaud
	500 kBit/s / 2 MBit/s (automatic recognition)
Fieldbus system	DeviceNet™
Name	DeviceNet™
Type of connection	2x 5-pos. TWIN-COMBICON connectors
Transmission speed	500 kBaud, 250 kBaud, 125 kBaud (Can be set via DIP switch or programmed)
Number of positions	10
Name	Supply
Type of connection	8-pos. Inline connector

### Power supply for module electronics

Supply voltage	24 V DC
----------------	---------

Supply voltage range	19.2 V DC ... 30 V DC (including all tolerances, including ripple)
Supply current	Typ. 70 mA
Current consumption	max. 0.9 A (from U <sub>BK</sub> )

#### Inline potential routing

Communications power U <sub>L</sub>	7.5 V DC ±5%
Power supply at U <sub>L</sub>	max. 0.8 A DC
Main circuit supply U <sub>M</sub>	24 V DC
Supply voltage range U <sub>M</sub>	19.2 V DC ... 30 V DC (including all tolerances, including ripple)
Power supply at U <sub>M</sub>	max. 8 A DC (Sum of U <sub>M</sub> + U <sub>S</sub> )
Current consumption from U <sub>M</sub>	max. 8 A DC
Segment supply voltage U <sub>S</sub>	24 V DC
Supply voltage range U <sub>S</sub>	19.2 V DC ... 30 V DC (including all tolerances, including ripple)
Power supply at U <sub>S</sub>	max. 8 A DC (Sum of U <sub>M</sub> + U <sub>S</sub> )
Current consumption from U <sub>S</sub>	max. 8 A DC
I/O supply voltage U <sub>ANA</sub>	24 V DC
Supply voltage range U <sub>ANA</sub>	19.2 V DC ... 30 V DC (including all tolerances, including ripple)
Power supply at U <sub>ANA</sub>	max. 0.5 A DC

#### Digital inputs

Input name	Digital inputs
Description of the input	EN 61131-2 type 1
Type of connection	Inline connectors
Connection method	2, 3-wire
Number of inputs	8
Typical response time	Approx. 500 µs
Protective circuit	Protection against polarity reversal Suppressor diode
Input voltage	24 V DC
Input voltage range "1" signal	15 V DC ... 30 V DC
Typical input current per channel	Typ. 3 mA

#### Digital outputs

Output name	Digital outputs
Type of connection	Inline connectors
Connection method	2, 3-wire
Number of outputs	4

Protective circuit	Short-circuit and overload protection Free running circuit
Output voltage	24 V DC -1 V (At nominal current)
Nominal output voltage	24 V DC
Maximum output current per channel	500 mA
Maximum output current per module / terminal block	4 A
Maximum output current per module	4 A
Nominal load, inductive	12 VA
Nominal load, lamp	12 W
Nominal load, ohmic	12 W

### Certificates / Approvals



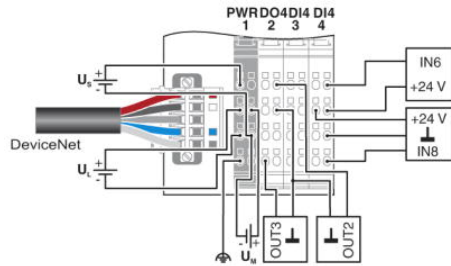
Certification	CUL, UL
Certification Ex:	CUL-EX LIS, UL-EX LIS

### Accessories

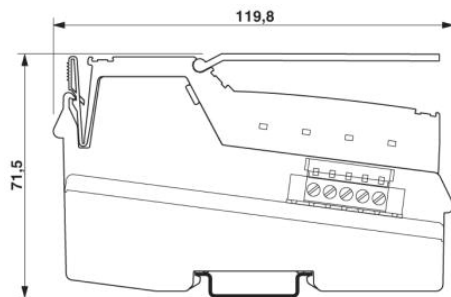
Item	Designation	Description
<b>Assembly</b>		
3022218	CLIPFIX 35	Snap-on end bracket, for 35 mm NS 35/7.5 or NS 35/15 DIN rail, can be fitted with Zack strip ZB 8 and ZB 8/27, terminal strip marker KLM 2 and KLM, width: 9.5 mm, color: gray
<b>Marking</b>		
0809492	ESL 62X10	Insert strip for laser printer, 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
<b>Plug/Adapter</b>		
2878599	IL BKDIO-PLSET	Connector set, for Inline bus coupler with I/Os mounted in rows

## Diagrams/Drawings

### Connection diagram



### Dimensioned drawing



**Address**

PHOENIX CONTACT Deutschland GmbH  
Flachmarktstr. 8  
32825 Blomberg, Germany  
Phone +49 5235 3 12000  
Fax +49 5235 3 41200  
<http://www.phoenixcontact.de>



© 2011 Phoenix Contact  
Technical modifications reserved;

Компания «Life Electronics» занимается поставками электронных компонентов импортного и отечественного производства от производителей и со складов крупных дистрибьюторов Европы, Америки и Азии.

С конца 2013 года компания активно расширяет линейку поставок компонентов по направлению коаксиальный кабель, кварцевые генераторы и конденсаторы (керамические, пленочные, электролитические), за счёт заключения дистрибьюторских договоров

Мы предлагаем:

- Конкурентоспособные цены и скидки постоянным клиентам.
- Специальные условия для постоянных клиентов.
- Подбор аналогов.
- Поставку компонентов в любых объемах, удовлетворяющих вашим потребностям.
- Приемлемые сроки поставки, возможна ускоренная поставка.
- Доставку товара в любую точку России и стран СНГ.
- Комплексную поставку.
- Работу по проектам и поставку образцов.
- Формирование склада под заказчика.
- Сертификаты соответствия на поставляемую продукцию (по желанию клиента).
- Тестирование поставляемой продукции.
- Поставку компонентов, требующих военную и космическую приемку.
- Входной контроль качества.
- Наличие сертификата ISO.

В составе нашей компании организован Конструкторский отдел, призванный помогать разработчикам, и инженерам.

Конструкторский отдел помогает осуществить:

- Регистрацию проекта у производителя компонентов.
- Техническую поддержку проекта.
- Защиту от снятия компонента с производства.
- Оценку стоимости проекта по компонентам.
- Изготовление тестовой платы монтаж и пусконаладочные работы.



Тел: +7 (812) 336 43 04 (многоканальный)

Email: [org@lifeelectronics.ru](mailto:org@lifeelectronics.ru)