

https://www.phoenixcontact.com/us/products/2702230



Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



Inline, Bus coupler, CANopen®, MINI COMBICON, transmission speed in the local bus: 500 kbps / 2 Mbps, degree of protection: IP20, including network connector, Inline connector, and marking field

Product description

The bus coupler is intended for use within a CANopen® network. It is the link to the Inline I/O system. Up to 63 Inline devices can be connected to the bus coupler. A corresponding EDS file is available for integrating the Inline station into the programming system. This file can be downloaded via the product at www.phoenixcontact.com/products.

Your advantages

- · Automatic detection of the baud rate in the CANopen® network
- · Programmable modes for behavior in the event of an error
- · Emergency messages
- · Integrated termination resistor can be switched on or off via DIP switch
- Supports two SDO servers simultaneously
- · Trigger modes: event, timer, remote request
- · Node and life guarding
- Heartbeat
- · Connection to CANopen® with 5-pos. MINI COMBICON connector

Commercial data

Item number	2702230
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	DR01
Product key	DRI113
GTIN	4055626134949
Weight per piece (including packing)	177 g
Weight per piece (excluding packing)	168.5 g
Customs tariff number	85176200
Country of origin	DE

2702230

https://www.phoenixcontact.com/us/products/2702230



Technical data

Dimensions

Dimensional drawing	71.5 100 100 100 100 100 100 100 100 100 100
Width	40 mm
Height	119.4 mm
Depth	71.5 mm
Note on dimensions	Housing dimensions

Notes

Note on application

Note on application	Only for industrial use

Interfaces

CANopen®

Number of interfaces	1 (Connected to functional ground with a capacitor)
Connection method	MINI COMBICON
Number of positions	5
Transmission speed	1 Mbps, 800 kbps, 500 kbps, 250 kbps, 125 kbps, 50 kbps, 20 kbps, 10 kbps (Can be set via DIP switch or automatic detection)
Inline local bus	
Number of interfaces	1
Connection method	Inline data jumper

System properties

Transmission speed

System limits

Number of supported devices	max. 63 (per station)
Number of local bus devices that can be connected	max. 63
Number of devices with parameter channel	max. 16
Number of supported branch terminals with remote bus branch	0

Module

ID code (hex)	none
,	

Product properties

Product type	I/O component

500 kbps / 2 Mbps (automatic detection, no combined system)



https://www.phoenixcontact.com/us/products/2702230



Product family	Inline
Туре	modular
Scope of supply	including network connector, Inline connector, and marking fiel
Diagnostics messages	CRC error Message about the emergency object
	I/O error Message about the emergency object
	Power error Message about the emergency object
	Module change errors Message about the emergency object
	Inactive local bus Message about the emergency object
	Inline connection error Message about the emergency object
	Faulty Inline cycles Message about the emergency object
ectrical properties	
Maximum power dissipation for nominal condition	3.6 W
Potentials: Bus coupler supply U _{BK} ; Communications posoupler supply.	wer $\rm U_L$ (7.5 V) and the analog supply $\rm U_{ANA}$ (24 V) are generated from the bus
Supply voltage	24 V DC (via Inline connector)
Supply voltage range	19.2 V DC 30 V DC (including all tolerances, including ripple
Current draw	max. 0.9 A (with max. number of connected I/O terminal blocks
	typ. 51 mA (no local bus devices connected)
Potentials: Communications power (U _L)	
Supply voltage	7.5 V DC
Potentials: Supply of analog modules (U _{ANA})	
Supply voltage	24 V DC
Supply voltage range	19.2 V DC 30 V DC (including all tolerances, including ripple
Potentials: Main circuit supply (U _M)	
Supply voltage	24 V DC (via Inline connector)
Supply voltage range	19.2 V DC 30 V DC (including all tolerances, including ripple
Potentials: Segment circuit supply (U _S)	
Supply voltage	24 V DC (via Inline connector)
Supply voltage range	19.2 V DC 30 V DC (including all tolerances, including ripple
nnection data	
Connection technology	
Connection name	Inline connector
Conductor connection	
Connection method	Spring-cage connection
Conductor cross-section rigid	0.08 mm² 1.5 mm²
Conductor cross-section flexible	0.08 mm² 1.5 mm²
Conductor cross-section AWG	28 16
Stripping length	8 mm



https://www.phoenixcontact.com/us/products/2702230



Inline connector

Connection method	Spring-cage connection
Conductor cross-section, rigid	0.08 mm² 1.5 mm²
Conductor cross-section, flexible	0.08 mm² 1.5 mm²
Conductor cross-section AWG	28 16
Stripping length	8 mm

Environmental and real-life conditions

Ambient conditions

Ambient temperature (operation)	-25 °C 55 °C
Degree of protection	IP20
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)
Ambient temperature (storage/transport)	-40 °C 85 °C
Permissible humidity (operation)	10 % 95 % (non-condensing)
Permissible humidity (storage/transport)	10 % 95 % (non-condensing)

Standards and regulations

Mounting

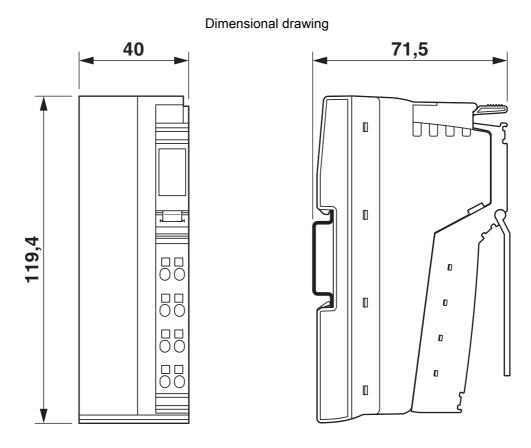
|--|

2702230

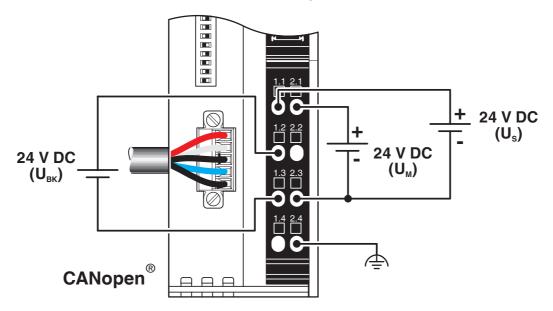
https://www.phoenixcontact.com/us/products/2702230



Drawings



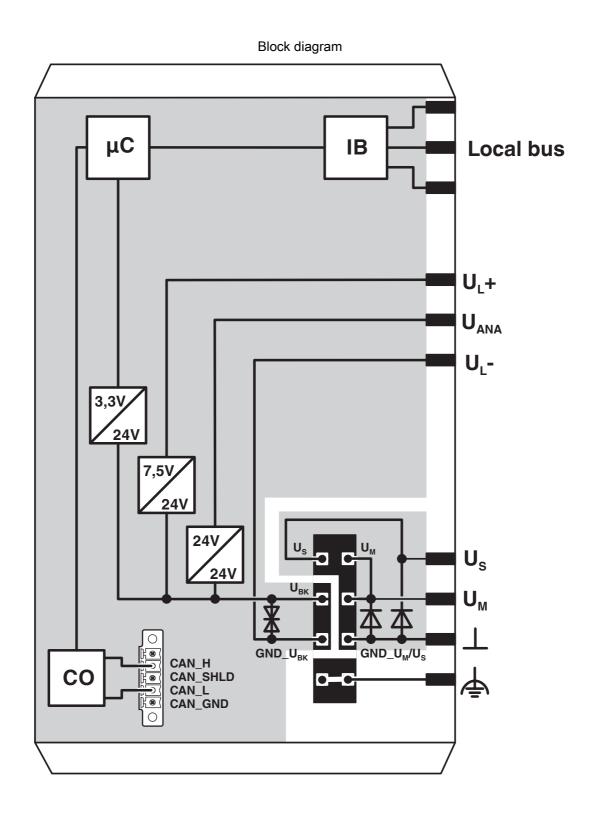
Connection diagram





https://www.phoenixcontact.com/us/products/2702230







https://www.phoenixcontact.com/us/products/2702230



Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/2702230



cULus Listed

Approval ID: E238705



https://www.phoenixcontact.com/us/products/2702230



Classifications

UNSPSC 21.0

ECLASS

	ECLASS-13.0	27242608	
	ECLASS-15.0	27242608	
ETIM			
	ETIM 9.0	EC001604	
UNSPSC			

32151600



https://www.phoenixcontact.com/us/products/2702230



Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	7(a), 7(c)-l
China RoHS	
Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.
EU REACH SVHC	
REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)
SCIP	353ac7e1-616f-44e5-aaa6-a996465c8c14

Phoenix Contact 2025 @ - all rights reserved https://www.phoenixcontact.com

Phoenix Contact USA 586 Fulling Mill Road Middletown, PA 17057, United States (+717) 944-1300 info@phoenixcon.com