

IL CAN BK-TC-PAC - Bus coupler



2718701

<https://www.phoenixcontact.com/us/products/2718701>

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®, TWIN COMBICON, transmission speed in the local bus: 500 kbps, degree of protection: IP20, including network connector, Inline connector, and marking field

Product description

The CANopen® fieldbus coupler enables the flexible INTERBUS Inline automation kit to be operated on CANopen® networks as well. The fieldbus coupler allows an INTERBUS Inline station to be inserted at any point in a CANopen® network. The fieldbus coupler is a slave in the CANopen® network and a master in the lower-level INTERBUS Inline local bus. The fieldbus coupler allows an INTERBUS Inline station to be inserted at any point in a CANopen® network. The fieldbus coupler is a slave in the CANopen® network and a master in the lower-level INTERBUS Inline local bus. The address of the CANopen® slave can easily be set from outside by means of DIP switches. The CANopen® network is connected via a TWIN COMBICON connector. The operating voltage for the fieldbus coupler and the electronics of the connected automation terminals can be supplied via a separate power connector. For CANopen® configuration, the latest EDS (Electronica Data Sheet) file is available in the Product Information Service (see below). The CANopen® fieldbus coupler supports the proven INTERBUS Inline diagnostics as well as the typical diagnostics for CANopen®. Locally, LEDs enable precise diagnostics. Note the following during configuration: The total logic current of all the terminals connected to a CANopen® network must not exceed the maximum permissible total current of 2 A. Depending on the station configuration, the number of terminals that can be connected may be less than 63

Your advantages

- Slave function in CANopen® network
- Address can be set via DIP switches
- CANopen® connection via TWIN-COMBICON plug
- 63 terminals can be connected
- Diagnostic and status indicators

Commercial data

Item number	2718701
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	DR01
Product key	DRI113
GTIN	4017918891237
Weight per piece (including packing)	306.3 g
Weight per piece (excluding packing)	240 g
Customs tariff number	85389091
Country of origin	DE

IL CAN BK-TC-PAC - Bus coupler

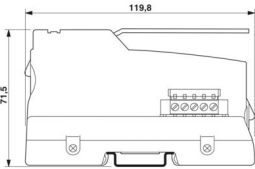


2718701

<https://www.phoenixcontact.com/us/products/2718701>

Technical data

Dimensions

Dimensional drawing	
Width	85 mm
Height	119.8 mm
Depth	71.5 mm

Notes

Utilization restriction

EMC note	EMC: class A product, see manufacturer's declaration in the download area
----------	---

Material specifications

Color	green
-------	-------

Interfaces

CANopen®

No. of channels	1
Connection method	TWIN COMBICON
Number of positions	10
Transmission speed	1 MBaud, 500 kBaud, 250 kBaud, 125 kBaud, 50 kBaud, 20 kBaud, 10 kBaud (Can be set via DIP switch or programmed)
Address area assignment	0 ... 63, can be set

Inline local bus

No. of channels	1
Connection method	Inline data jumper
Transmission speed	500 kbps

Fieldbus: Local bus gateway

Max. number of local bus devices	63 (The on-board I/Os are two devices)
----------------------------------	--

System properties

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. 8

IL CAN BK-TC-PAC - Bus coupler



2718701

<https://www.phoenixcontact.com/us/products/2718701>

Number of supported branch terminals with remote bus branch	0
---	---

Programming data

Register length (master)	254 Byte
--------------------------	----------

Product properties

Product type	I/O component
Product family	Inline
Type	modular
Scope of supply	including network connector, Inline connector, and marking field

Electrical properties

Maximum power dissipation for nominal condition	30 W
Protective circuit	Surge protection; Suppressor diode
	Reverse polarity protection; Suppressor diode

Potentials: Bus coupler supply U_{BK} ; Communications power U_L (7.5 V) and the analog supply U_{ANA} (24 V) are generated from the bus coupler supply.

Supply voltage	24 V DC
Supply voltage range	19.2 V DC ... 30 V DC (via Inline connector)
Current draw	max. 1.25 A

Potentials: Communications power (U_L)

Supply voltage	7.5 V DC $\pm 5\%$
Power supply	max. 2 A 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)
Power supply	max. 0.5 A DC

Potentials: Main circuit supply (U_M)

Supply voltage	24 V DC
Supply voltage range	19.2 V DC ... 30 V DC (including all tolerances, including ripple)
Power supply	max. 8 A DC (sum of $U_M + U_S$)

Potentials: Segment circuit supply (U_S)

Supply voltage	24 V DC
Supply voltage range	19.2 V DC ... 30 V DC (including all tolerances, including ripple)
Power supply	max. 8 A DC (sum of $U_M + U_S$)

Electrical isolation/isolation of the voltage ranges

Test voltage: CANopen®/local bus	500 V
----------------------------------	-------

Connection data

Connection technology

Connection name	Inline connector
-----------------	------------------

IL CAN BK-TC-PAC - Bus coupler



2718701

<https://www.phoenixcontact.com/us/products/2718701>

Inline connector

Connection method	Spring-cage connection
Conductor cross-section, rigid	0.08 mm ² ... 1.5 mm ²
Conductor cross-section, flexible	0.08 mm ² ... 1.5 mm ²
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)	-45 °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)

Standards and regulations

Protection class	III (IEC 61140, EN 61140, VDE 0140-1)
------------------	---------------------------------------

Mounting

Mounting type	DIN rail mounting
---------------	-------------------

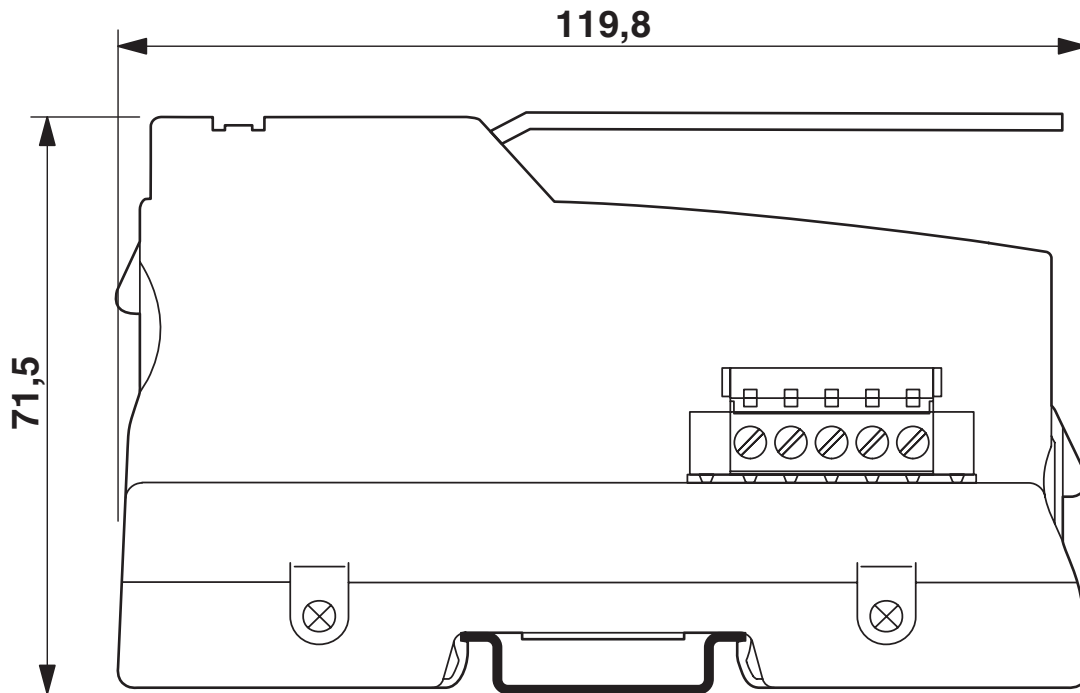
IL CAN BK-TC-PAC - Bus coupler

2718701

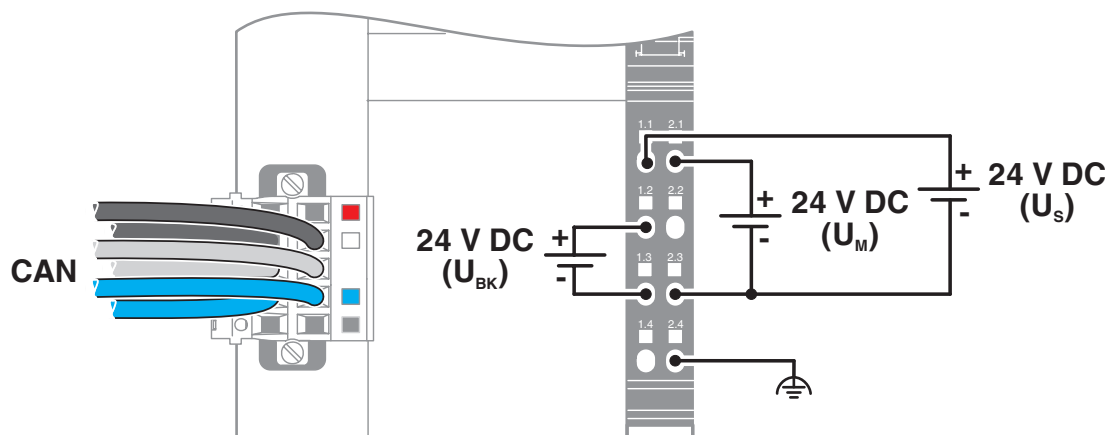
<https://www.phoenixcontact.com/us/products/2718701>

Drawings

Dimensional drawing



Connection diagram

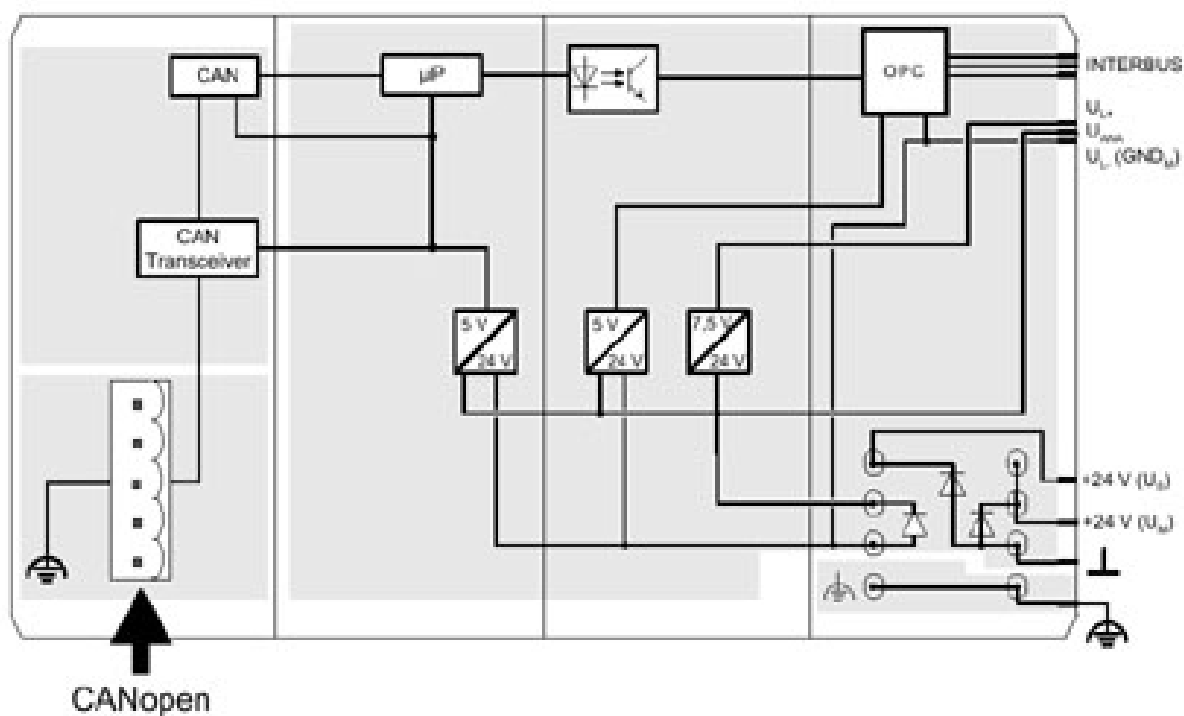


IL CAN BK-TC-PAC - Bus coupler

2718701

<https://www.phoenixcontact.com/us/products/2718701>

Block diagram



IL CAN BK-TC-PAC - Bus coupler



2718701

<https://www.phoenixcontact.com/us/products/2718701>

Environmental product compliance

China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
-------------------------------------	----------------------------

Phoenix Contact 2026 © - 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