

Bus coupler - IL CAN BK-TC-PAC - 2718701

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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.

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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



Key Commercial Data

Packing unit	1 pc
GTIN	 4 017918 891237
GTIN	4017918891237
Weight per Piece (excluding packing)	240.000 g
Custom tariff number	85389091
Country of origin	Germany
Note	Made to Order (non-returnable)

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Technical data

Note

Utilization restriction	EMC: class A product, see manufacturer's declaration in the download area
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Dimensions

Width	85 mm
Height	119.8 mm
Depth	71.5 mm

Ambient conditions

Ambient temperature (operation)	-25 °C ... 55 °C
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)
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

General

Mounting type	DIN rail
Color	green
Net weight	240 g
Note on weight specifications	with connectors

Interfaces

Designation	CANopen [®]
No. of channels	1
Connection method	TWIN COMBICON
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
Number of positions	10
Designation	Inline local bus
Connection method	Inline data jumper
Transmission speed	500 kbps

System limits of the bus coupler

Designation	System limits of the bus coupler
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
Number of supported branch terminals with remote bus branch	0

Inline potentials

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Inline potentials

Designation	Bus coupler supply U_{BC} ; 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 consumption	max. 1.25 A
Designation	Communications power (U_L)
Supply voltage	7.5 V DC $\pm 5\%$
Power supply unit	max. 2 A DC
Designation	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 unit	max. 0.5 A DC
Designation	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 unit	max. 8 A DC (sum of $U_M + U_S$)
Designation	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 unit	max. 8 A DC (sum of $U_M + U_S$)

Standards and Regulations

Connection in acc. with standard	CUL
Protection class	III (IEC 61140, EN 61140, VDE 0140-1)

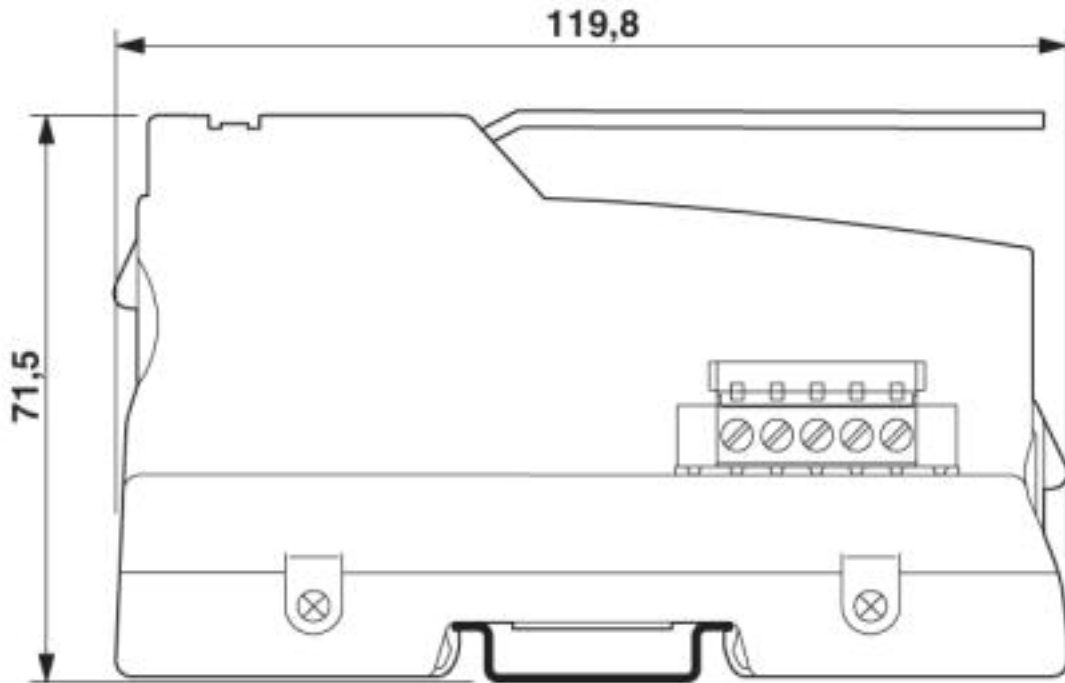
Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

Drawings

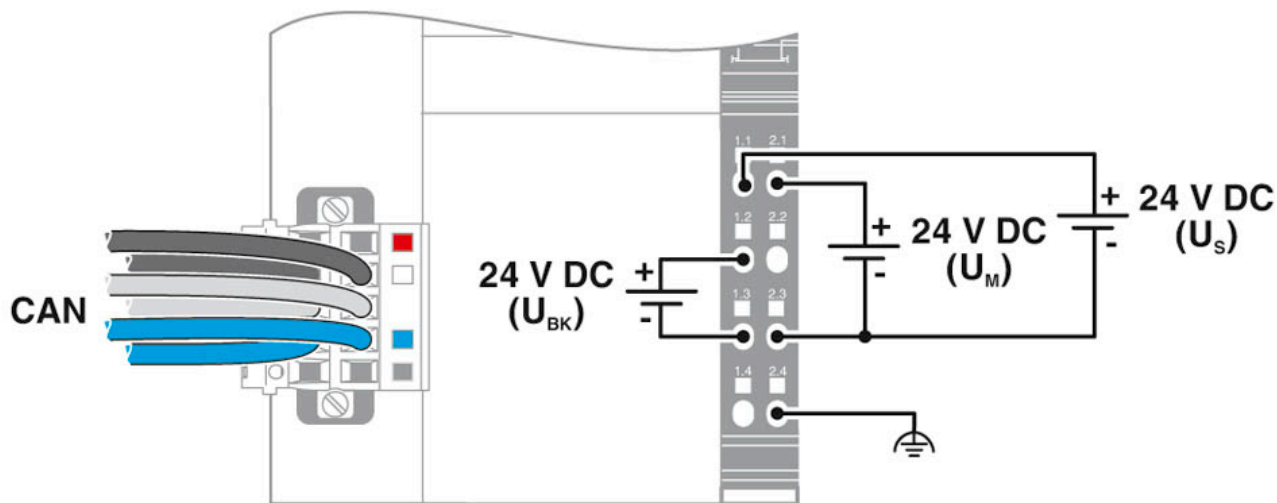
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Dimensional drawing



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Connection diagram



Classifications

eCl@ss

eCl@ss 4.0	27250203
eCl@ss 4.1	27250203
eCl@ss 5.0	27250203
eCl@ss 5.1	27242608
eCl@ss 6.0	27242608
eCl@ss 7.0	27242608
eCl@ss 8.0	27242608
eCl@ss 9.0	27242608

ETIM

ETIM 2.0	EC001434
ETIM 3.0	EC001604

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



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Classifications

ETIM

ETIM 4.0	EC001604
ETIM 5.0	EC001604
ETIM 6.0	EC001604

UNSPSC

UNSPSC 6.01	43172015
UNSPSC 7.0901	43201404
UNSPSC 11	43172015
UNSPSC 12.01	43201404
UNSPSC 13.2	32151602

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