

Bus coupler - IL CAN BK-TC-PAC - 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's documentation. Our General Terms of Use for Downloads are valid (<http://download.phoenixcontact.com>)



CANopen® bus coupler, 24 V DC, bus interface 2 x 5-pos. TWIN-COMBICON connector, complete with accessories (plug and labeling field)

Product Description

The CANopen® fieldbus coupler enables the flexible INTERBUS Inline automation kit to be operated in 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 address of the CANopen® slave can easily be set via DIP switches from outside. The CANopen® network is connected via a Twin Combicon plug. The operating voltage for the fieldbus coupler and the electronics can be fed using a separate power plug. For the CANopen® project planning, a regularly updated EDS file (Electronica Data Sheet) is provided in the Product Information Service (see below). The CANopen® fieldbus coupler supports the proven INTERBUS Inline diagnostics as well as the typical diagnostics objects for CANopen®. Local LEDs enable precise diagnostics. Please note the following when you configure the system: The total logic current of all terminals connected to a CANopen® network must not exceed the maximum permissible total current of 2 A. Therefore, depending on your configuration, the number of terminal blocks that you can connect may be less than 63.

Product Features

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



Key commercial data

package_quantity	1
GTIN	4017918891237

Technical data

Note

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

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

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

Technical data

Ambient conditions

Permissible humidity (operation)	95 % (non-condensing)
Permissible humidity (storage/transport)	95 % (non-condensing)
Air pressure (operation)	80 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

Weight	240 g
Note on weight specifications	with connectors
Mounting type	DIN rail
Test section	CANopen/local bus 500 V

Interfaces

Fieldbus system	Lokalbus
Designation	Inline local bus
Connection method	Inline data jumper
Fieldbus system	CANopen®
Designation	CANopen®
Connection method	2x 5-pos. TWIN-COMBICON connectors
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
Designation	Supply
Connection method	8-pos. Inline connector

System limits of the bus coupler

Number of local bus devices that can be connected	max. 63
Number of devices with parameter channel	max. 8
Number of branch terminals with remote bus branch	0

Power supply for module electronics

Supply voltage	24 V DC
Supply voltage range	19.2 V DC ... 30 V DC
Current consumption	max. 1.25 A (from U _{BK})

Inline potentials

Communications power U_L	7.5 V DC ±5 %
Power supply at U_L	max. 2 A DC
Main circuit supply U_M	24 V DC -15 % / +20 % (acc. to EN 61131-2)
Power supply at U_M	max. 8 A DC (Sum of U _M + U _S)
Segment supply voltage U_S	24 V DC -15 % / +20 % (acc. to EN 61131-2)
Power supply at U_S	max. 8 A DC (Sum of U _M + U _S)
I/O supply voltage U_{ANA}	24 V DC -15 % / +20 % (acc. to EN 61131-2)
Power supply at U_{ANA}	max. 0.5 A DC

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

Technical data

Digital inputs

Connection method	Spring-cage connection
-------------------	------------------------

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

ETIM

ETIM 2.0	EC001434
ETIM 3.0	EC001604
ETIM 4.0	EC001604
ETIM 5.0	EC001604


UNSPSC

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

approvals

UL Listed / cUL Listed / cULus Listed / UL Recognized / cUL Recognized / GOST / cULus Recognized /

Approval details

UL Listed 	
Nominal voltage UN	24 V
Nominal current IN	0.06 A
mm ² /AWG/kcmil	

cUL Listed 	
---	--

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

approvals

Nominal voltage UN	24 V
Nominal current IN	0.06 A
mm ² /AWG/kcmil	

cULus Listed

UL Recognized

Nominal voltage UN	24 V
Nominal current IN	0.06 A
mm ² /AWG/kcmil	

cUL Recognized

Nominal voltage UN	24 V
Nominal current IN	0.06 A
mm ² /AWG/kcmil	

GOST

cULus Recognized

accessories

Plug

IB IL SCN-8-CP - 2727608



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

accessories

TMSTBP 2,5/ 5-STF-5,08 GNAU CP - 2862576



Labeling panel

IB IL FIELD 2 - 2727501



Terminal marking

ESL 62X10 - 0809492



End block

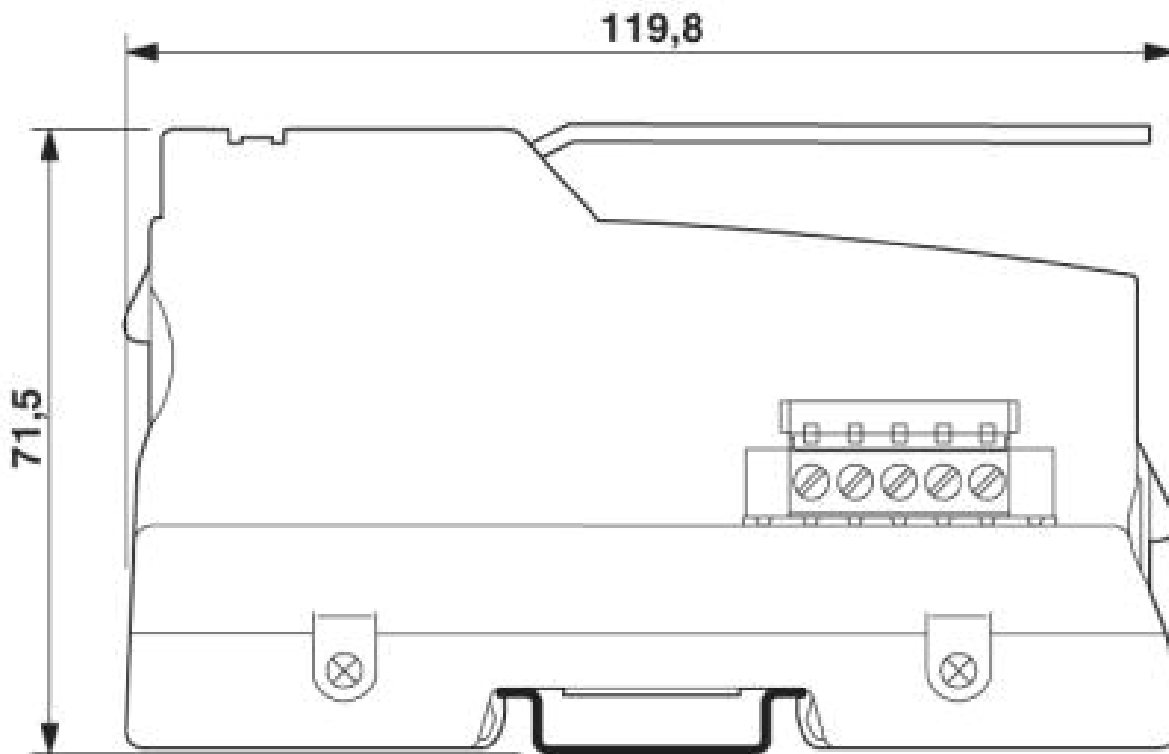
CLIPFIX 35 - 3022218



Drawings

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

Dimensioned drawing



© Phoenix Contact 2014 - all rights reserved
<http://www.phoenixcontact.com>