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. The fieldbus coupler allows an INTERBUS Inline station to be inserted at any point in a 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	CNI
Product key	DRI113
Catalog page	Page 170 (C-8-2015)
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

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Technical data

Dimensions

Dimensional drawing	55 119.8 1
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

green

Inline data jumper

500 kbps

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

Fieldbus: Local bus gateway

Connection method

Transmission speed

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

System properties

ŝ	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

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Number of supported branch terminals with remote bus branch	0
Module	
ID code (hex)	none
Product properties	
Туре	modular
Product type	I/O component
Product family	Inline
Scope of delivery	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) coupler supply.	and the analog supply $U_{\text{ANA}} \left(24 \text{ V} \right)$ are generated from the bus
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,)	
Supply voltage	7.5 V DC ±5 %
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
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
Supply voltage range	19.2 V DC 30 V DC (including all tolerances, including ripple)
Electrical isolation/isolation of the voltage ranges	
Test voltage: CANopen [®] /local bus	500 V
Connection 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

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Conductor cross section AWG	28 16
Stripping length	8 mm
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)	-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

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Drawings

Connection diagram



Dimensional drawing





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Block diagram



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Environmental product compliance

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

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