

2862165

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Inline, Bus coupler, INTERBUS, F-SMA connector, 45° angled FO connection, transmission speed in the local bus: 500 kbps, degree of protection: IP20, including Inline connector and labeling field

Product description

The bus coupler connects an Inline station to the INTERBUS remote bus and provides the supply voltages for the connected analog modules.

Your advantages

- · Remote bus connections using fiber optic technology
- · Optical path diagnostics

Commercial data

Item number	2862165
Packing unit	1 pc
Sales key	DR01
Product key	DRI111
GTIN	4017918894658
Weight per piece (including packing)	297.3 g
Weight per piece (excluding packing)	210 g
Customs tariff number	85389091
Country of origin	DE



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Technical data

Dimensions

Dimensional drawing	71.5 85 88 88 88 88 88
Width	85 mm
Height	119.8 mm
Depth	71.5 mm

Material specifications

Color green

Interfaces

INTERBUS

Number of interfaces	2
Connection method	F-SMA connector
Note on the connection method	slanted
Transmission speed	500 kbps
Transmission physics	FO

Inline local bus

Number of interfaces	1
Connection method	Inline data jumper
Transmission speed	500 kbps

System properties

System limits

Number of supported devices	max. 63
Number of local bus devices that can be connected	max. 63
Number of devices with parameter channel	62
Number of supported branch terminals with remote bus branch	max. 15

Module

Modulo	
ID code (dec.)	04
ID code (hex)	04
Length code (hex)	00
Length code (dec)	00
Process data channel	0 bit
Input address area	0 Byte



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Output address area	0 Byte
Register length	0 bit
oduct properties	
Product type	I/O component
Product family	Inline
Туре	modular
Scope of supply	including Inline connector and labeling field
Special properties	45° angled FO connection
ectrical properties	
Maximum power dissipation for nominal condition	30 W
Protective circuit	Reverse polarity protection
Potentials: Bus coupler supply U_{BK} ; Communications power U_L (7.5 V) coupler supply. Supply voltage	and the analog supply U _{ANA} (24 V) are generated from the bus 24 V DC (via Inline connector)
Supply voltage Supply voltage range	19.2 V DC 30 V DC (including all tolerances, including ripple)
Current draw	max. 1.25 A (with max. number of connected I/O terminal blocks
	typ. 90 mA (without connected Inline I/O terminals)
	,
Potentials: Communications power (U _L)	
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)
Electrical isolation/isolation of the voltage ranges	
Test voltage: 7.5 V communications power, 24 V analog supply, 24 V bus coupler supply/functional ground	500 V AC, 50 Hz, 1 min
onnection data	
onnection data	
Connection technology	
Connection name	Inline connector
Conductor connection	
	Spring-cage connection
Connection method	Opining dage definication
Connection method Conductor cross-section rigid	
Conductor cross-section rigid	0.08 mm² 1.5 mm²
Conductor cross-section rigid Conductor cross-section flexible Conductor cross-section AWG	0.08 mm ² 1.5 mm ² 0.08 mm ² 1.5 mm ²
Conductor cross-section rigid Conductor cross-section flexible Conductor cross-section AWG Stripping length	0.08 mm ² 1.5 mm ² 0.08 mm ² 1.5 mm ² 28 16
Conductor cross-section rigid Conductor cross-section flexible Conductor cross-section AWG Stripping length	0.08 mm ² 1.5 mm ² 0.08 mm ² 1.5 mm ² 28 16 8 mm
Conductor cross-section rigid Conductor cross-section flexible Conductor cross-section AWG Stripping length Inline connector Connection method	0.08 mm ² 1.5 mm ² 0.08 mm ² 1.5 mm ² 28 16 8 mm Spring-cage connection
Conductor cross-section rigid Conductor cross-section flexible Conductor cross-section AWG Stripping length	0.08 mm ² 1.5 mm ² 0.08 mm ² 1.5 mm ² 28 16 8 mm



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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)	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)
Ambient temperature (storage/transport)	-25 °C 85 °C
Permissible humidity (operation)	75 % 85 %
Permissible humidity (storage/transport)	75 % 85 %

Mounting

-	
Mounting type	DIN rail mounting

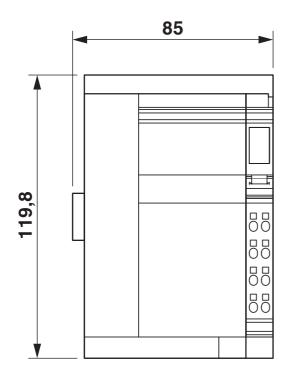


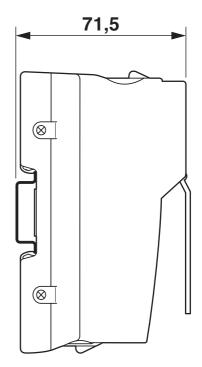
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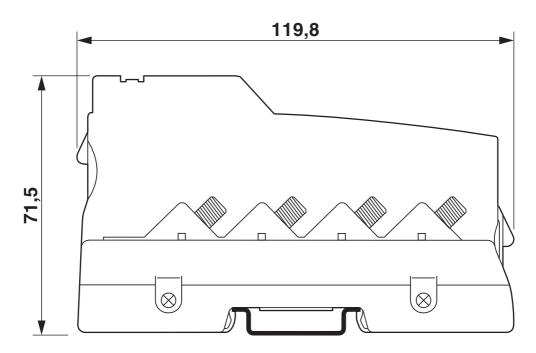
Drawings

Dimensional drawing





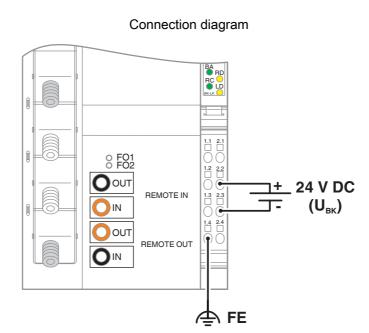
Dimensional drawing





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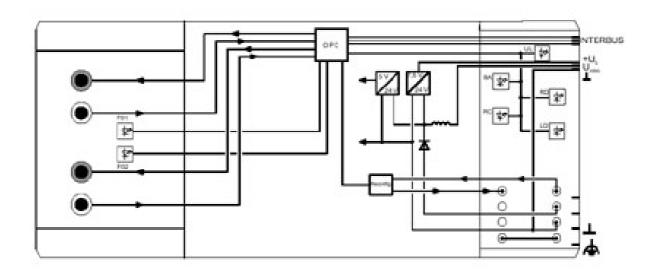




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Block diagram





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Classifications

ETIM

	ETIM 8.0	EC001604
UN	ISPSC	
	LINSPSC 21.0	32151600



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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-E
	No hazardous substances above the limits
EU REACH SVHC	
REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)
SCIP	3c72de50-4b30-4a53-8642-1cbf1b70af21

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