

# FL IL 24 BK-PAC - Bus coupler



2862314

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Inline, Bus coupler, Modbus/TCP, RJ45 jack, degree of protection: IP20

## Your advantages

- Up to 63 I/O terminals can be connected
- EtherNet TCP/IP™
- Driver software for Sun Solaris/Windows NT

## Commercial data

Item number	2862314
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	DR01
Product key	DRI11B
GTIN	4017918894719
Weight per piece (including packing)	348.2 g
Weight per piece (excluding packing)	270 g
Customs tariff number	85389091
Country of origin	DE

# FL IL 24 BK-PAC - Bus coupler

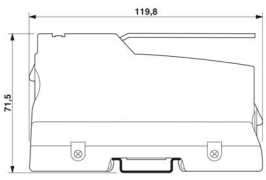


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## Technical data

### 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
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### Material specifications

Color	green
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### Interfaces

#### Modbus/TCP

No. of channels	1
Connection method	RJ45 jack
Note on the connection method	Autonegotiation
Transmission speed	10/100 Mbps
Transmission physics	Copper

#### Inline local bus

Connection method	Inline data jumper
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### System properties

#### System limits

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

#### Programming data

Register length (master)	384 Byte
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#### Functionality

Basic functions	Ethernet: Termination device, TCP/IP protocol, BootP-capable
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## Product properties

Product type	I/O component
Product family	Inline
Type	modular

## Electrical properties

Maximum power dissipation for nominal condition	36 W
Transmission medium	Twisted pair cable 0.14 mm <sup>2</sup> ... 0.22 mm <sup>2</sup>

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 (via Inline connector)
Supply voltage range	19.2 V DC ... 30 V DC (including all tolerances, including ripple)
Current draw	max. 1.5 A (with max. number of connected I/O terminal blocks) typ. 92 mA (without connected Inline I/O terminals)

Potentials: Communications power ( $U_L$ )

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

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 (observe derating)

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 $U_M + U_S$ )

## Connection data

Connection technology

Connection name	Inline connector
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Inline connector

Connection method	Spring-cage connection
Conductor cross-section, rigid	0.08 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>
Conductor cross-section, flexible	0.08 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>
Conductor cross-section AWG	28 ... 16
Stripping length	8 mm

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## Environmental and real-life conditions

### Ambient conditions

Ambient temperature (operation)	0 °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)	-20 °C ... 70 °C
Permissible humidity (operation)	95 % (non-condensing)
Permissible humidity (storage/transport)	95 % (non-condensing)

## Mounting

Mounting type	DIN rail mounting
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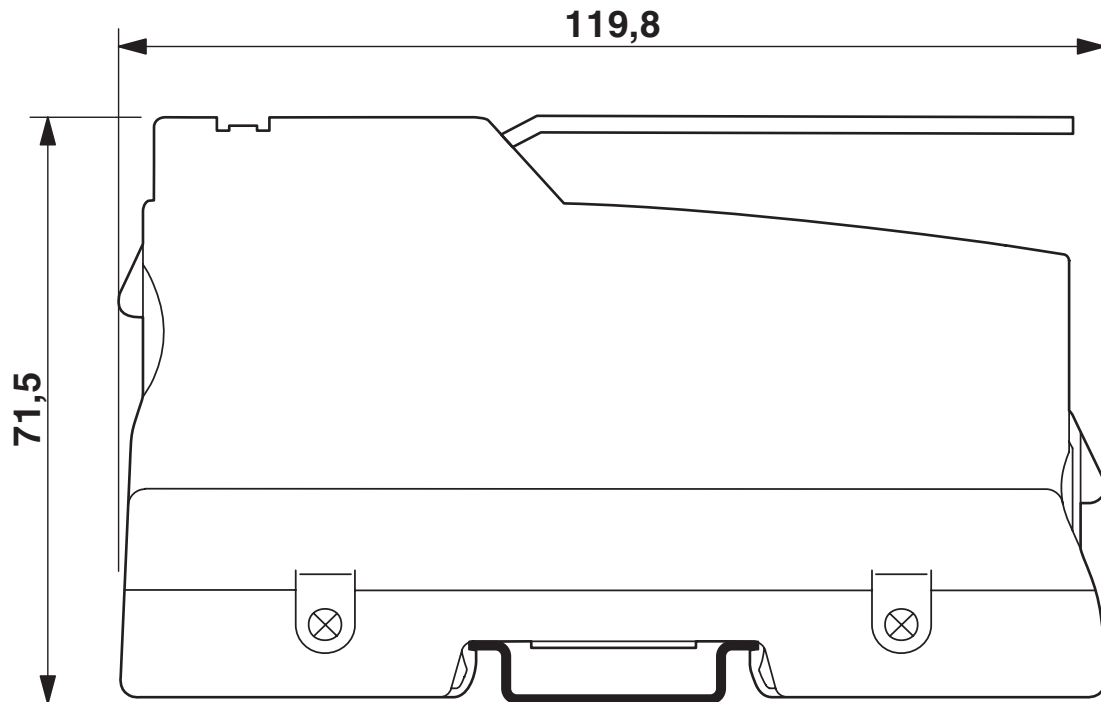
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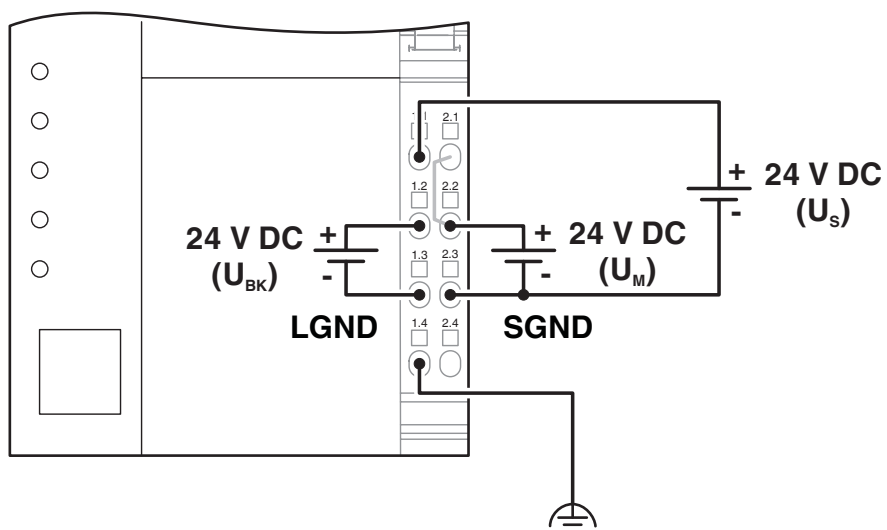
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## Drawings

Dimensional drawing



Connection diagram



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## 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%
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