

# IL SC BK-PAC - Bus coupler

2878719

<https://www.phoenixcontact.com/us/products/2878719>

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Sercos bus coupler for Inline, 24 V DC, complete with accessories (plug and labeling field)



## Commercial data

Item number	2878719
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	NULL
Product key	DRI117
GTIN	4046356048606
Weight per piece (including packing)	300.2 g
Weight per piece (excluding packing)	300.2 g
Customs tariff number	85389091
Country of origin	DE

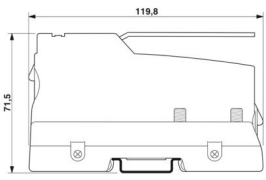
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## Technical data

### Dimensions

Dimensional drawing	
Width	85 mm
Height	119.8 mm
Depth	71.5 mm
Note on dimensions	Specifications with connectors

### Material specifications

Color	green
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### Interfaces

#### Sercos II

No. of channels	2
Connection method	F-SMA connector
Transmission speed	16 Mbps, 8 Mbps, 4 Mbps, 2 Mbps

#### Inline local bus

No. of channels	2
Connection method	Inline data jumper
Transmission physics	FO

#### Supply

Connection method	8-pos. Inline power connector
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#### Fieldbus: Local bus gateway

Max. number of local bus devices	40
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### System properties

#### System limits

Number of local bus devices that can be connected	max. 40
Number of devices with parameter channel	max. 0
Number of supported branch terminals with remote bus branch	0

#### Programming data

Register length (master)	992 bit
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### Product properties

Product type	I/O component
Product family	Inline
Type	modular

## Electrical properties

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. 1.25 A (with max. number of connected I/O terminal blocks) min. 110 mA (no local bus devices connected)

Potentials: Communications power ( $U_L$ )

Supply voltage	7.5 V DC
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 (via Inline connector)
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 (via Inline connector)
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	0.09 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>
Conductor cross-section, flexible	0.09 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>
Conductor cross-section AWG	28 ... 16

## Environmental and real-life conditions

Ambient conditions

Ambient temperature (operation)	5 °C ... 55 °C
Degree of protection	IP20

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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)	max. 85 % (non-condensing)
Permissible humidity (storage/transport)	max. 85 % (non-condensing)

## Mounting

Mounting type	DIN rail mounting
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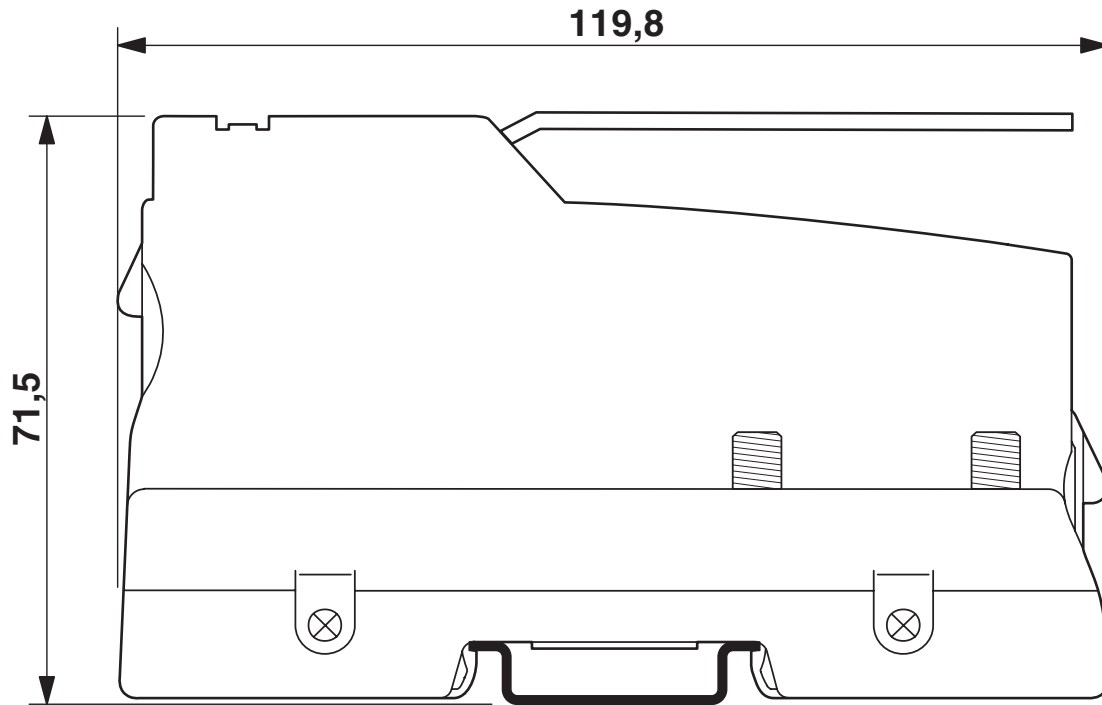
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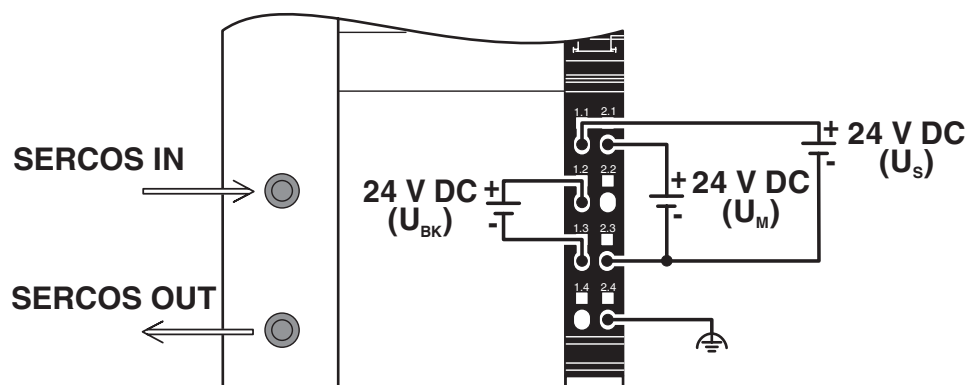


## Drawings

Dimensional drawing



Connection diagram



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## Environmental product compliance

EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
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