

## Inline function terminal - IB IL IFS-MA-PAC - 2692720

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Inline system bus master, for connecting the INTERFACE system bus, complete with accessories (connector connector and marking field)

### Product Description

The terminal is designed for use within an Inline station. It can be used to connect INTERFACE modules to the Inline station and thus the bus system used via the INTERFACE system bus.

Features:

- Easy connection of INTERFACE EEM and/or EMM modules
- Transmission speed: 500 kbps
- Data width in the local bus can be set via DIP switches or memory stick configuration depending on the number of connected INTERFACE devices
- Maximum data width from the INTERFACE system bus to the local bus: 32 words (including PCP)
- Maximum data width from the local bus to the INTERFACE system bus: 16 words
- Parameterization, configuration, and diagnostics via FDT/DTM (Field Device Tool/Device Type Manager) supported
- Serial interface (S-PORT) can be used to connect a memory stick
- Memory stick can be used for configuration backup
- Applications: motor and energy management; switching, protection, and monitoring of drives

### Your advantages

- Acquisition and output of up to 31 measured values and 16 manipulated variables
- Easy integration of up to 8 INTERFACE EMM and EEM modules with firmware 1.03 or later
- User-friendly parameterization, configuration, and diagnostics using DTMs (Device Type Managers)
- Serial interface (S port) including a memory stick for saving the configuration



### Key Commercial Data

Packing unit	1 pc
GTIN	
GTIN	4046356448932

### Technical data

#### Note

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

### Dimensions

Width	24.4 mm
Height	135 mm
Depth	71.5 mm

### Connection data

Designation	Inline connector
Connection method	Spring-cage connection
Conductor cross section solid min.	0.08 mm <sup>2</sup>
Conductor cross section solid max.	1.5 mm <sup>2</sup>
Conductor cross section flexible min.	0.08 mm <sup>2</sup>
Conductor cross section flexible max.	1.5 mm <sup>2</sup>
Conductor cross section AWG min.	28
Conductor cross section AWG max.	16
Stripping length	8 mm

### Ambient conditions

Ambient temperature (operation)	-25 °C ... 55 °C
Ambient temperature (storage/transport)	-25 °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)
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)
Degree of protection	IP20

### General

Mounting type	DIN rail
Color	green
Net weight	171.1 g

### Interfaces

Designation	Inline local bus
Connection method	Bus base module
Transmission speed	500 kbps
Interface	INTERFACE system bus
Connection method	Inline shield connector
Transmission physics	Single wire
No. of channels	1
Protocols supported	CAN
Interface	Programming interface (S port)
No. of channels	1
Protocols supported	Serial

### Inline potentials

## Inline function terminal - IB IL IFS-MA-PAC - 2692720

### Technical data

#### Inline potentials

Designation	Communications power ( $U_L$ )
Supply voltage	7.5 V DC (via voltage jumper)
Current consumption	typ. 66 mA
	max. 78 mA
Designation	Main circuit supply ( $U_M$ )
Supply voltage	24 V DC (via voltage jumper)
Supply voltage range	19.2 V DC ... 30 V DC
Current consumption	typ. 141 mA
	max. 300 mA

#### Electrical isolation

Test section	24 V supply $U_M$ , bus, logic/INTERFACE interface 500 V AC 50 Hz 1 min.
	24 V supply $U_M$ , bus, logic/functional ground 500 V AC 50 Hz 1 min.
	INTERFACE interface/functional ground 500 V AC 50 Hz 1 min.

#### Standards and Regulations

Protection class	III (IEC 61140, EN 61140, VDE 0140-1)
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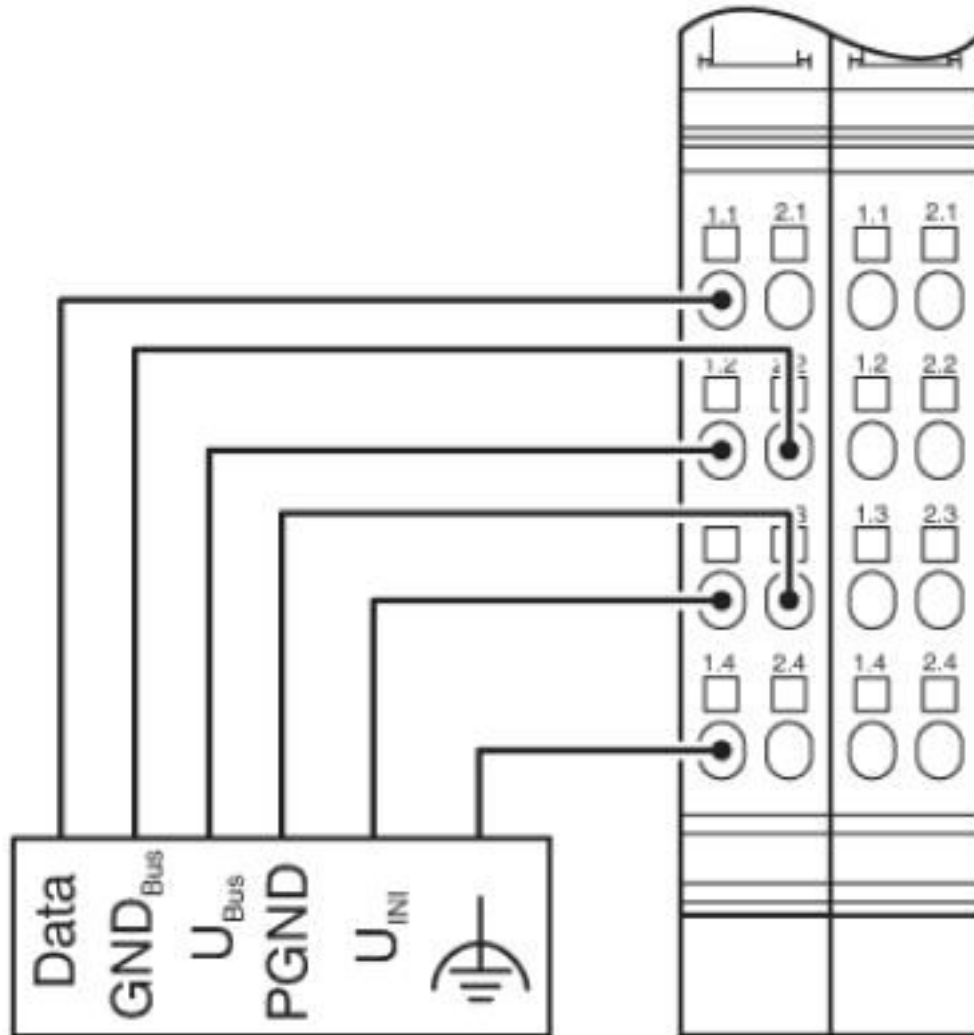
#### Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

### Drawings

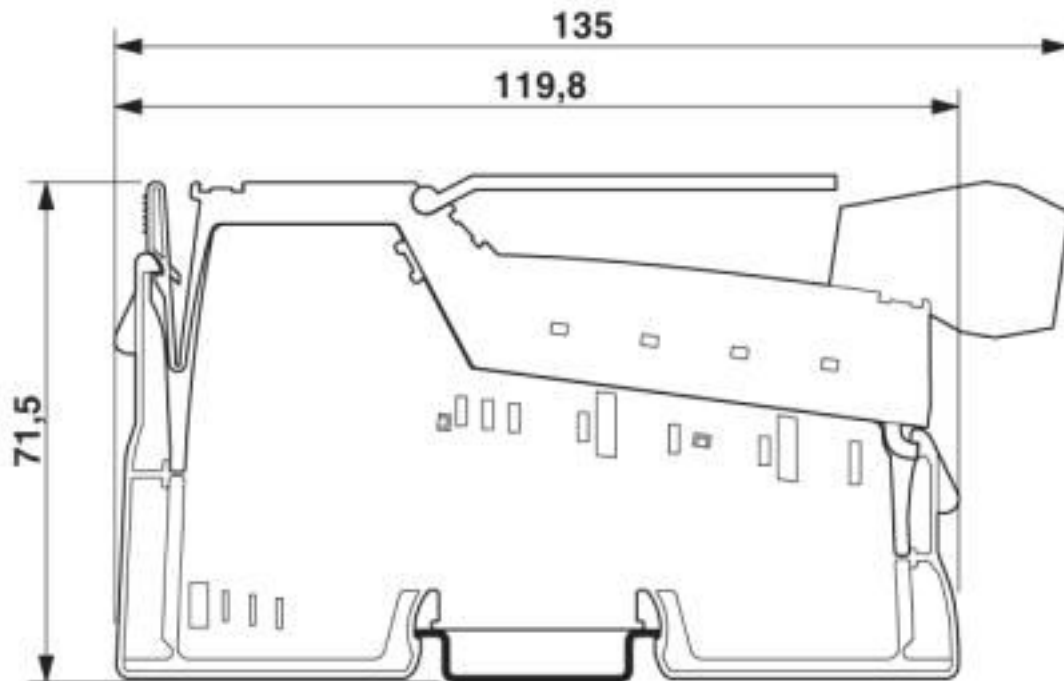
# Inline function terminal - IB IL IFS-MA-PAC - 2692720

Connection diagram



## Inline function terminal - IB IL IFS-MA-PAC - 2692720

Dimensional drawing



### Classifications

#### eCl@ss

eCl@ss 10.0.1	27242608
eCl@ss 4.0	27250300
eCl@ss 4.1	27250300
eCl@ss 5.0	27250300
eCl@ss 5.1	27242600
eCl@ss 6.0	27242600
eCl@ss 7.0	27242608
eCl@ss 8.0	27242608
eCl@ss 9.0	27242608

#### ETIM

ETIM 3.0	EC001604
ETIM 4.0	EC001601
ETIM 5.0	EC001604
ETIM 6.0	EC001604
ETIM 7.0	EC001604

#### UNSPSC

UNSPSC 6.01	43172015
UNSPSC 7.0901	43201404
UNSPSC 11	43172015

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## Classifications

### UNSPSC

UNSPSC 12.01	43201404
UNSPSC 13.2	32151602
UNSPSC 18.0	32151602
UNSPSC 19.0	32151602
UNSPSC 20.0	32151602
UNSPSC 21.0	32151602

## Approvals

### Approvals



Approvals

UL Listed / cUL Listed / cULus Listed



Ex Approvals



### Approval details

UL Listed		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	FILE E 140324
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cUL Listed		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	FILE E 140324
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cULus Listed			
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## Accessories

Accessories

Connector set

Connector set - IB IL AO/CNT-PLSET - 2732664



Connector set

## Inline function terminal - IB IL IFS-MA-PAC - 2692720

### Accessories

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Plug - IMC 1,5/ 5-ST-3,81SET IL IFS 2M - 1784729

Assembled connecting cable, IL-IFS, 2 m in length

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### Labeling panel

Labeling field - IB IL FIELD 2 - 2727501

Labeling field, width: 12.2 mm



### Memory block

Memory block - IFS-CONFSTICK - 2986122



Multi-functional memory block for the INTERFACE system for easy storage and backup of the configuration.

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### PCB plug

Printed-circuit board connector - IMC 1,5/ 5-ST-3,81 - 1857919



PCB connector, nominal current: 8 A, rated voltage (III/2): 160 V, nominal cross section: 1.5 mm<sup>2</sup>, number of positions: 5, pitch: 3.81 mm, connection method: Screw connection with tension sleeve, color: green, contact surface: Tin

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Printed-circuit board connector - MC 1,5/ 5-ST-3,81 - 1803604



PCB connector, nominal current: 8 A, rated voltage (III/2): 160 V, nominal cross section: 1.5 mm<sup>2</sup>, number of positions: 5, pitch: 3.81 mm, connection method: Screw connection with tension sleeve, color: green, contact surface: Tin

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### Terminal marking

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### Accessories

Insert strip - ESL 62X10 - 0809492



Insert strip, Sheet, white, unlabeled, can be labeled with: Office printing systems: Laser printer, mounting type: insert, lettering field size: 62 x 10 mm, Number of individual labels: 72

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