

IB IL IFS-MA-PAC - Communication module



2692720

<https://www.phoenixcontact.com/us/products/2692720>

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Inline system bus master, for connecting the interface system bus, complete with accessories (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

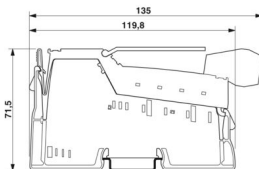
- Acquisition and output of up to 31 measured values and 16 manipulated variables
- Easy integration of up to 8 INTERFACE EMM and EEM modules with firmware 1.03 or later
- User-friendly parameterization, configuration, and diagnostics using DTMs (Device Type Managers)
- Serial interface (S port) including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

Commercial data

Item number	2692720
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	DR01
Product key	DRI153
GTIN	4046356448932
Weight per piece (including packing)	172.3 g
Weight per piece (excluding packing)	170.3 g
Customs tariff number	85371091
Country of origin	DE

Technical data

Dimensions

Dimensional drawing	
	
Width	24.4 mm
Height	135 mm
Depth	71.5 mm

Notes

Note on application

Note on application	Only for industrial use
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Interfaces

Inline local bus

Connection method	Bus base module
Transmission speed	500 kbps

INTERFACE system bus

Connection method	Inline shield connector
Transmission physics	Single wire
No. of channels	1
Protocols supported	CAN

Programming interface (S port)

Connection method	IFS-USB-PROG-ADAPTER
No. of channels	1
Protocols supported	Serial

System properties

Local diagnostics

Error messages via the bus	9 V power supply faulty
	Group error message, INTERFACE system bus error

Module

ID code (dec.)	220
ID code (hex)	DC
Length code (hex)	1E
Length code (dec)	30

Process data channel	60 Byte
Input address area	max. 60 Byte
Output address area	max. 60 Byte
Register length	64 Byte
Required parameter data	1 Byte
Required configuration data	5 Byte

Product properties

Product type	I/O component
Product family	Inline
Type	modular
Operating mode	Process data mode with up to 31 words; PCP with 1, 2, or 4 words

Electrical properties

Maximum power dissipation for nominal condition	1.25 W
Power dissipation	1.285 W (Module)

Potentials: Communications power (U_L)

Supply voltage	7.5 V DC (via voltage jumper)
Current draw	max. 78 mA typ. 66 mA

Potentials: Main circuit supply (U_M)

Supply voltage	24 V DC (via voltage jumper)
Supply voltage range	19.2 V DC ... 30 V DC
Current draw	max. 300 mA typ. 141 mA

Electrical isolation/isolation of the voltage ranges

Test voltage: 24 V supply U_M , bus, logic/INTERFACE interface	500 V AC, 50 Hz, 1 min
Test voltage: 24 V supply U_M , bus, logic/functional ground	500 V AC, 50 Hz, 1 min
Test voltage: INTERFACE interface/functional ground	500 V AC, 50 Hz, 1 min

Connection data

Connection technology

Connection name	Inline connector
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Conductor connection

Connection method	Spring-cage connection
Conductor cross-section rigid	0.08 mm ² ... 1.5 mm ²
Conductor cross-section flexible	0.08 mm ² ... 1.5 mm ²
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)	-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)

Standards and regulations

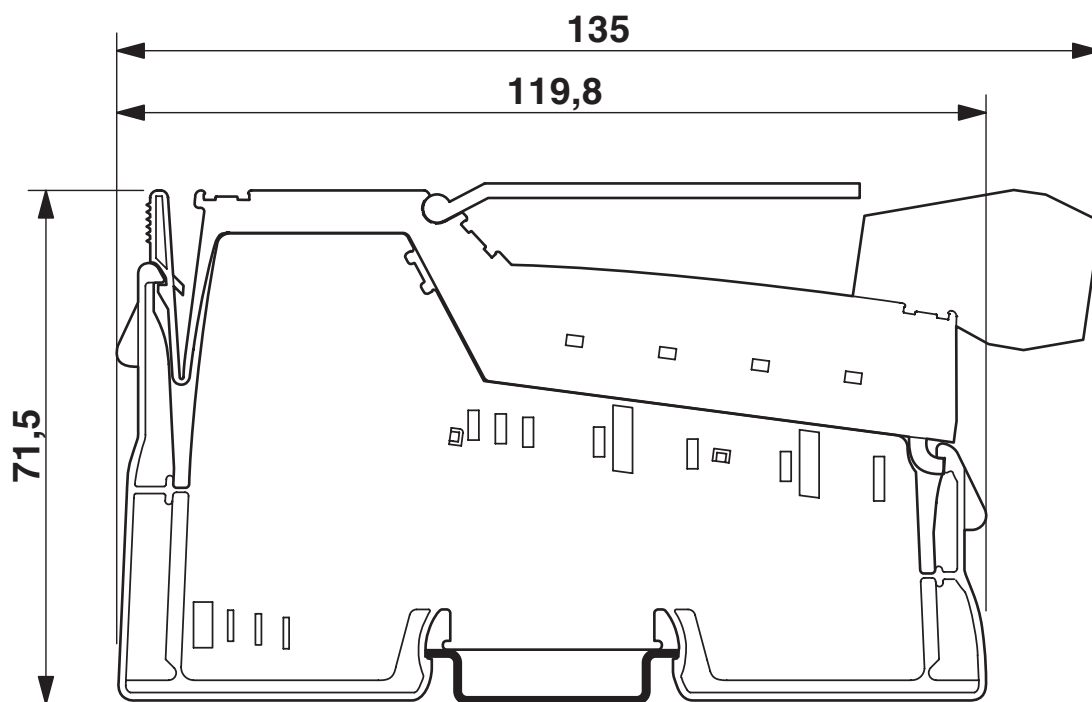
Protection class	III (IEC 61140, EN 61140, VDE 0140-1)
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Mounting

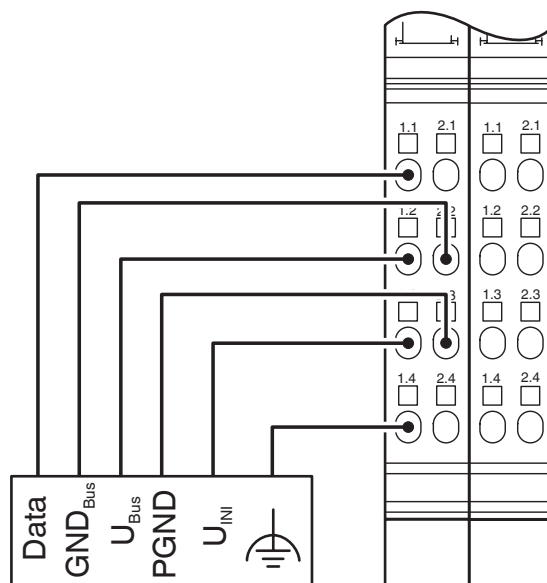
Mounting type	DIN rail mounting
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Drawings

Dimensional drawing



Connection diagram



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Approvals

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cULus Listed

Approval ID: E140324

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Classifications

ECLASS

ECLASS-13.0	27242608
ECLASS-15.0	27242608

ETIM

ETIM 9.0	EC001604
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UNSPSC

UNSPSC 21.0	32151600
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Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	7(a), 7(c)-I

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	54cbd787-e76c-471c-9d8b-c87e12e08cdc

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