

Communication module - IB IL MP-BUS-PAC



2702921

<https://www.phoenixcontact.com/gb/products/2702921>

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Inline, MP-Bus master terminal for connecting MP-Bus devices, transmission speed in the local bus: 500 kbps, degree of protection: IP20, including Inline connector and marking field

Product Description

Only use this terminal block in conjunction with controllers from Phoenix Contact. The terminal is designed for use within an Inline station. It enables the integration of a subordinate MP-Bus in the Inline station. Within the Inline station, the terminal acts as a master for the subordinate MP-Bus. The MP-Bus is a multi-point bus. Developed by BELIMO Automation AG (Switzerland), it replaces the traditional 0 V to 10 V interface for actuators in building automation. The MP-Bus reduces wiring costs and offers a feedback channel for sensor and status information. Bus and supply cables share a standard installation cable.

Your advantages

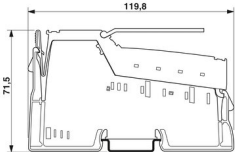
- MP-Bus master for the connection of up to 16 MP-Bus devices

Commercial Data

Item number	2702921
Packing unit	1 pc
Minimum order quantity	1 pc
Sales Key	DRHABA
Product Key	DRHABA
GTIN	4055626745749
Weight per Piece (including packing)	88 g
Weight per Piece (excluding packing)	61 g
Customs tariff number	85389099
Country of origin	DE

Technical Data

Dimensions

Dimensional drawing	
Width	12.2 mm
Height	119.8 mm
Depth	71.5 mm
Note on dimensions	Housing dimensions

Material specifications

Color	green
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Interfaces

Inline local bus

Number of interfaces	2
Connection method	Inline data jumper
Transmission speed	500 kbps

MP-Bus

Connection method	Inline connector
Note on the connection method	Signal connection: 2-wire, 3-wire with supply voltage

System properties

Module

ID code (dec.)	191
ID code (hex)	BF
Length code (hex)	08
Length code (dec)	8
Process data channel	128 Bit
Input address area	16 Byte
Output address area	16 Byte
Register length	128 Bit

Product properties

Type	modular
Product type	I/O component

Electrical properties

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Potentials: Communications power (U_L)

Supply voltage	7.5 V DC (via voltage jumper)
Current draw	max. 90 mA
	typ. 70 mA
Power consumption	max. 675 mW
	typ. 525 mW

Potentials: Main circuit supply (U_M)

Supply voltage	24 V DC (via voltage jumper)
Supply voltage range	19.2 V DC ... 30 V DC (including all tolerances, including ripple)
Current draw	max. 20 mA
	typ. 8 mA

Potentials: Segment circuit supply (U_S)

Supply voltage	24 V DC (via voltage jumper)
Supply voltage range	19.2 V DC ... 30 V DC (including all tolerances, including ripple)
Current draw	max. 8 A

Connection data

Connection technology

Connection name	Inline connector
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Conductor connection

Connection method	Spring-cage connection
Conductor cross section solid	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 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

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 % (non-condensing)

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Permissible humidity (storage/transport)	10 % ... 95 % (non-condensing)
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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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Classifications

ECLASS

ECLASS-9.0	27242605
ECLASS-10.0.1	27242605
ECLASS-11.0	27242605

ETIM

ETIM 8.0	EC001601
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UNSPSC

UNSPSC 21.0	32151600
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