

2700630

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Inline PROFIBUS master/slave, for connecting a PROFIBUS system, complete with accessories (connector and marking field), use only with PC Worx

## Product description

The terminal is designed for use within an Inline station. It can be used to integrate a lower-level PROFIBUS system into the Inline station and therefore into the bus system used. Within the Inline station, the terminal acts as a PROFIBUS master for the lower-level PROFIBUS system or as a PROFIBUS slave for a higher-level PROFIBUS system. As a PROFIBUS master, the terminal can be used to integrate standard-compliant PROFIBUS slaves into all INTERBUS or PROFINET-based controllers from Phoenix Contact. As a PROFIBUS slave, the terminal can be used to integrate a Phoenix Contact controller into any PROFIBUS-based systems (gateway). **PROFIBUS features** - PROFIBUS master/slave - Transmission speed: 12 Mbps, maximum - Diagnostic and error messages are exchanged **Local bus features** - 500 kbps and 2 Mbps transmission speed (automatic detection) - Maximum data width: 32 words **General features** - Serial interface with inserted memory stick for storing the configuration data - DIP switch for setting the data width - Direct PROFIBUS configuration in PC Worx - Integration of process variables using the connection editor - Integration of third-party devices using GSD

## Your advantages

- PROFIBUS connection via 9-pos. D-SUB socket
- Operation as DP master or slave
- PROFIBUS data transmission speed of 9.6 kbps to 12 Mbps
- Size of PROFIBUS process image: up to 48 words of input and output data (a maximum of ten PROFIBUS slaves) or 56 words (a maximum of three PROFIBUS slaves)
- Maximum of ten DP slaves supported when operated as the DP master
- When operated as the DP slave: device description via GSD file, rotary encoding switch for setting the PROFIBUS address, support for PROFIBUS addresses 1 to 125
- DIP switch for setting the operating mode, the startup behavior, the data width, and the transmission speed on the local bus
- Diagnostic and status indicators
- When operated as the DP master: the configuration data is stored on the memory stick

## Commercial data

Item number	2700630
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	DR01
Product key	DRI153
GTIN	4046356598958
Weight per piece (including packing)	193.7 g

# IB IL PB MA-PAC - Communication module



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Weight per piece (excluding packing)	142 g
Customs tariff number	85389091
Country of origin	DE

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## Technical data

### Dimensions

Dimensional drawing	
Width	48.8 mm
Height	119.8 mm
Depth	71.5 mm

### Notes

Note on application

Note on application	Only for industrial use
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### Material specifications

Color (Housing)	green (RAL 6021)
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### Interfaces

Inline local bus

Connection method	Bus base module
Transmission speed	500 kbps / 2 Mbps

PROFIBUS DP V0 master/slave

Connection method	9-pos. D-SUB socket
Transmission speed	9.6 kbps ... 12 Mbps
No. of channels	1

### System properties

Programming data (LocalbusSlave)

Length code (hex)	0C
ID code (dec.)	221
Length code (dec)	12
Process data channel	24 Byte (Default; configurable)
Input address area	24 Byte (Default)
Output address area	24 Byte (Default)
Parameter channel (PCP)	8 Byte
Register length (bus)	32 Byte (Default)

### Product properties

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Product type	I/O component
Product family	Inline
Type	modular

## Electrical properties

Maximum power dissipation for nominal condition	2.1 W
Power dissipation	Module

### Potentials: Communications power ( $U_L$ )

Supply voltage	7.5 V DC (via voltage jumper)
Current draw	max. 280 mA
	typ. 98 mA

## Connection data

### Connection technology

Connection name	PROFIBUS DP
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### PROFIBUS DP

Connection method	9-pos. D-SUB socket
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



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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	6(a), 6(a)-I, 6(c), 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	f0aafd4d-4f62-4e9d-9d27-7b0dd4f58e5e

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