

## Inline function terminal - IB IL PB MA-PAC - 2700630

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

### Product description

This 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 thus in 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.

#### 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

### Why buy this product

- 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



### Key commercial data

Packing unit	1 pc
GTIN	

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Weight per Piece (excluding packing)	142.0 g
Custom tariff number	85389091
Country of origin	Germany

### Technical data

#### Note

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

Width	48.8 mm
Height	119.8 mm
Depth	71.5 mm

#### General

Color	green
Weight	200 g
Mounting type	DIN rail
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
Protection class	III, IEC 61140, EN 61140, VDE 0140-1

#### Interfaces

Interface	Inline local bus
Connection method	Inline data jumper
Transmission speed	500 kBit/s / 2 MBit/s
Interface	PROFIBUS DP V0 master/slave
Connection method	9-pos. D-SUB socket
Transmission speed	9,6 kBit/s ... 12 MBit/s

#### Inline potentials

Communications power $U_L$	7.5 V (via voltage jumper)
Current consumption from $U_L$	typ. 98 mA
	max. 280 mA
Main circuit supply $U_M$	24 V DC (via voltage jumper)

### Classifications

#### eCl@ss

eCl@ss 4.0	27240409
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## Classifications

### eCl@ss

eCl@ss 4.1	27240409
eCl@ss 5.0	27242205
eCl@ss 5.1	27242605
eCl@ss 6.0	27242605
eCl@ss 7.0	27242605
eCl@ss 8.0	27242608

### ETIM

ETIM 3.0	EC001604
ETIM 4.0	EC001601
ETIM 5.0	EC001604

### UNSPSC

UNSPSC 6.01	43172015
UNSPSC 7.0901	43201404
UNSPSC 11	43172015
UNSPSC 12.01	43201404
UNSPSC 13.2	43201404

## Drawings

Dimensioned drawing

