

## 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 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



### Key Commercial Data

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

Packing unit	1 pc
GTIN	 4 046356 598958
GTIN	4046356598958

### 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

#### Connection data

Designation	PROFIBUS DP
Connection method	9-pos. D-SUB socket
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	142 g

#### Interfaces

Designation	Inline local bus
Connection method	Bus base module
Transmission speed	500 kbps / 2 Mbps
Interface	PROFIBUS DP V0 master/slave
Connection method	9-pos. D-SUB socket
No. of channels	1

#### Inline potentials

Designation	Communications power ( $U_L$ )
Supply voltage	7.5 V DC (via voltage jumper)
Current consumption	typ. 98 mA

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## Technical data

### Inline potentials

	max. 280 mA
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### Standards and Regulations

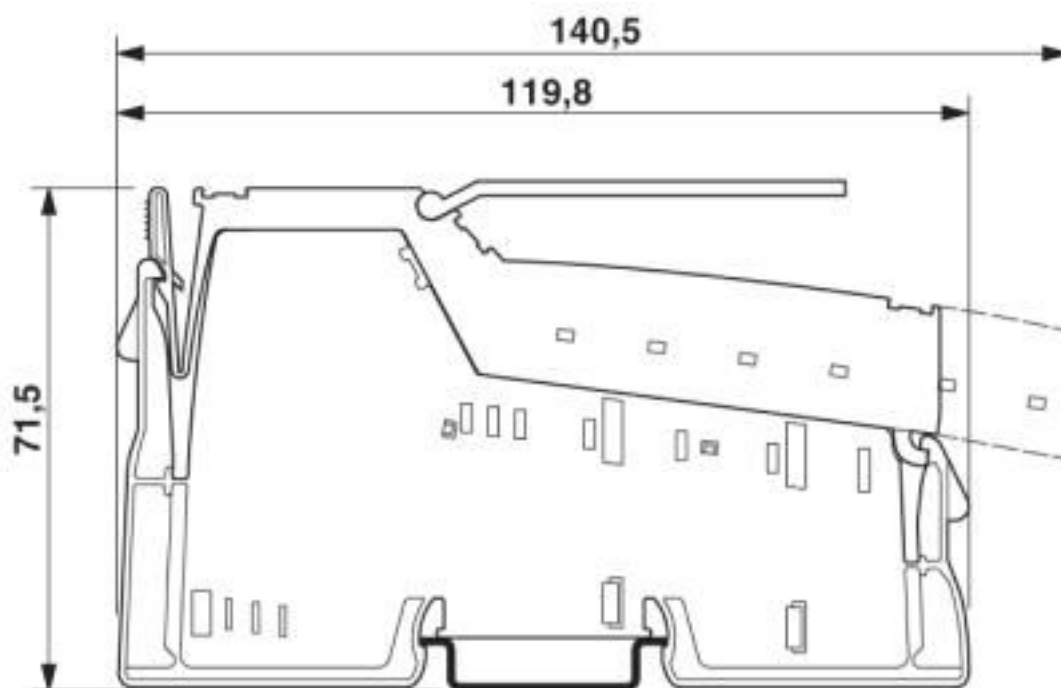
Protection class	III (IEC 61140, EN 61140, VDE 0140-1)
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### Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50 years
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

## Drawings

Dimensional drawing



## Classifications

### eCl@ss

eCl@ss 10.0.1	27242608
eCl@ss 4.0	27240400
eCl@ss 4.1	27240400
eCl@ss 5.0	27242200
eCl@ss 5.1	27242600
eCl@ss 6.0	27242600
eCl@ss 7.0	27242608

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## Classifications

### eCl@ss

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
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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### Approvals

cULus Listed



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PHOENIX CONTACT GmbH & Co. KG  
Flachsmarktstr. 8  
32825 Blomberg  
Germany  
Tel. +49 5235 300  
Fax +49 5235 3 41200  
<http://www.phoenixcontact.com>

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