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

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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

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

Standards and Regulations

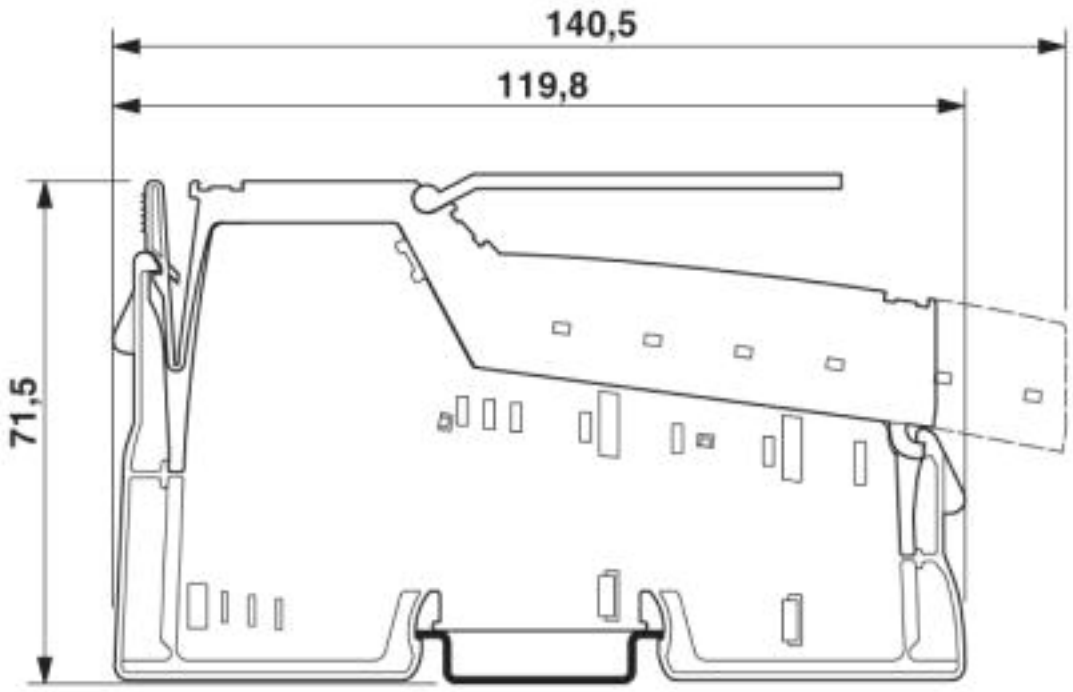
Protection class	III (IEC 61140, EN 61140, VDE 0140-1)

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		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 140324

cUL Listed		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	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