

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 PCE
GTIN	

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Weight per Piece (excluding packing)	142.0 GRM
Weight per piece (including packing)	201.0 GRM
Custom tariff number	85389091
Country of origin	Germany
Sales Key	O1 - Automatisation Systems

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)

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Classifications

eCl@ss

eCl@ss 4.0	27240409
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	27242605

ETIM

ETIM 3.0	EC001604
ETIM 4.0	EC001601
ETIM 5.0	EC001601

UNSPSC

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

Approvals

Approvals

Approvals

UL Listed / cUL Listed / cULus Listed

Ex Approvals

Approvals submitted

Approval details

UL Listed

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Approvals

cUL Listed 

cULus Listed 

Drawings

Dimensioned drawing

