IB IL PB MA-PAC - Communication module

2700630

https://www.phoenixcontact.com/us/products/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 coding switches 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

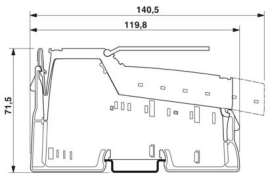
Commercial data

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

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

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

Mounting

Mounting type	DIN rail mounting

Material specifications

Color (Housing)	green (RAL 6021)

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

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

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

PROFIBUS DP

Connection method	9-pos. D-SUB socket
Stripping length	8 mm

Environmental and real-life conditions

Ambient conditions

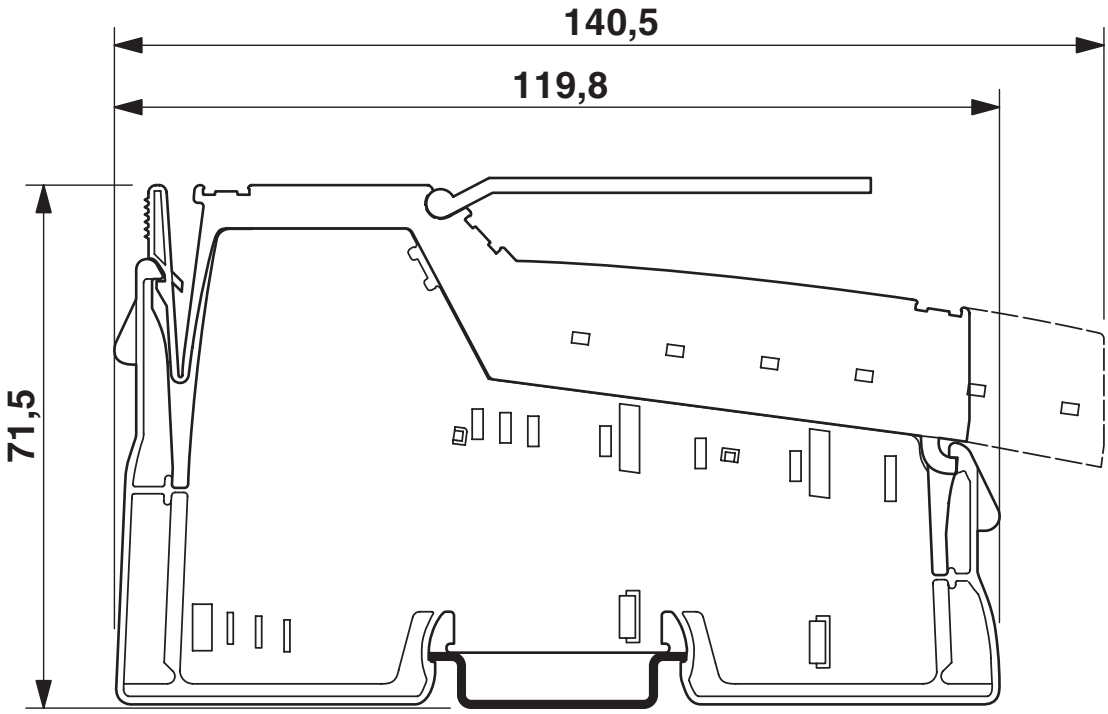
Ambient temperature (operation)	-25 °C ... 55 °C
Degree of protection	IP20
Air pressure (operation)	70 kPa ... 106 kPa (up to 3000 m above sea level)
Air pressure (storage/transport)	70 kPa ... 106 kPa (up to 3000 m above sea level)
Ambient temperature (storage/transport)	-25 °C ... 85 °C
Permissible 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)

Drawings

Dimensional drawing



Classifications

ECLASS

ECLASS-13.0	27242608
ECLASS-15.0	27242608

ETIM

ETIM 9.0	EC001604

UNSPSC

UNSPSC 21.0	32151600

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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