

ILC 200 IB-PAC


Order No.: 2862288

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Inline controllers, complete with accessories (connector and labeling field). The controller is installed instead of a standard Inline bus coupler. It connects the station to the higher-level INTERBUS network in the same way as a bus coupler



Commercial data

GTIN (EAN)	 4 017918 894696
sales group	K221
Pack	1 pcs.
Customs tariff	85371091
Catalog page information	Page 27 (AX-2009)

Product notes

WEEE/RoHS-compliant since:
01/14/2008



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Product description

With the Inline Control CPU, the Inline station is transformed into a modular compact controller. The Inline controller is installed instead of the standard Inline bus terminal module. Thwe Inline Control connects the station to the higher-level network, just like a bus terminal module.

The integrated control functions can be programmed according to IEC 61131-3. These functions permit distributed and independent control of the Inline installation system. Fast inputs and outputs ensure short response times.

Use of the Inline controller or other Remote Field Controllers permits to set up pre-tested mechanical and electrical units that can be combined as desired to form a complete solution. By combining tested mechanical, electrical, I/O device and control program functional units, planning, installation and startup times are considerably reduced. Systems can also be expanded in a flexible manner by following this principle.

Programming with PC WORX

The Inline controller is programmed with PC WORX automation software. The programs are created using the international IEC 61131-3 standard. They are downloaded either over the INTERBUS interface or over the local RS-232 interface. Programs and configuration data are stored in the integrated flash memory in a non-volatile way. 8 Kbytes of non-volatile (NV)RAM is available for the remanent storage of variables and flags.

Technical data

Control system

Programming tool	PC WORX 3
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Mechanical design

Height	140.5 mm
Width	109.8 mm
Depth	71.5 mm
Weight	320 g
Degree of protection	IP20
Ambient temperature (operation)	-25 °C ... 55 °C
Ambient temperature (storage/transport)	-25 °C ... 75 °C
Permissible humidity (operation)	0 % ... 85 %

Data interfaces

Interface	INTERBUS local bus (master)
Connection method	Inline data jumper
Interface	Higher-level INTERBUS remote bus (slave)
Connection method	Inline shield connector
Interface	Parameterization/operation/diagnostics
Connection method	V.24 (RS-232-C), 6-pos. MINI-DIN female connector (PS/2)
Interface	Integrated inputs /outputs
Connection method	2 Inline connectors

Power supply

Power supply connection	8-pos. Inline connector
Typical current consumption	153 mA (no local bus device connected during idling, bus inactive)
Supply voltage	24 V DC

Supply voltage range	19.2 V DC ... 30 V DC
Residual ripple	±5%
Max. total permissible current consumption of all I/O terminal blocks	Communications power (7,5 V DC) ≤ 2 A DC
	Analog supply (24 V DC) ≤ 0.5 A

INTERBUS data

Number of Inline terminals which can be connected	63
Note on the number of Inline terminals which can be connected	observe current consumption
Number of devices with parameter channel (PCP)	max. 62
Number of PCP data	0, 1, 2 or 4 words PCP configurable
Number of supported devices	max. 512
Number of I/O nodes	max. 4096
Number of control tasks	8
Number of timers, counters	(depends on data memory)
Number of data blocks	(depends on data memory)
Data memory	330 kByte
Retentive data memory	8 kByte (NVRAM)

Local diagnostics

Monitored function	INTERBUS
Optical representation	Status display via LED
Name	BA, RC, RD, LD

IEC 61131 runtime system

Programming tool	PC WORX 3
	PC WORX 2
Processing speed	1.3 ms (1 K bit instructions)
Data memory	330 kByte
Retentive data memory	8 kByte (NVRAM)
Number of data blocks	(depends on data memory)
Number of timers, counters	(depends on data memory)
Number of control tasks	8

Inline potential routing

Communications power U_L	7.5 V DC ±5%
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Power supply at U_L	2 A DC (observe derating)
Main circuit supply U_M	24 V DC -15% / +20% (in acc. with EN 61131-2)
Power supply at U_M	8 A (maximum)
Segment supply voltage U_S	24 V DC -15% / +20% (in acc. with EN 61131-2)
Power supply at U_S	8 A (maximum)
Current consumption from U_S	max. 2 A
I/O supply voltage U_{ANA}	24 V DC -15% / +20%
Power supply at U_{ANA}	0.5 A DC (observe derating)

Certificates / Approvals



Certification

CUL, GOST, UL

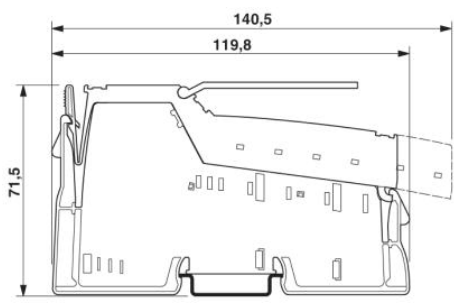
Accessories

Item	Designation	Description
Cable/conductor		
2730611	PRG CAB MINI DIN	Connection cable, to connect Remote Field Controllers to a PC (RS-232) for PC WORX, 3 m in length
Marking		
2727501	IB IL FIELD 2	Labeling field, width: 12.2 mm
Plug/Adapter		
2729622	ILC IB-PLSET	Connector set, for Inline Remote Field Controller
Software		
2729127	IBS OPC SERVER	INTERBUS OPC server, communication interface between distributed INTERBUS and Ethernet networks and visualizations.
2985275	PC WORX BASIC LIC	Software package for PC-based automation solutions, PC WORX BASIC license, contains all 5 IEC languages, without MSFC compiler, max. 256 byte input and output data, version-specific license key
2985385	PC WORX PRO LIC	Software package for PC-based automation solutions, PC WORX PRO license, contains all 5 IEC languages, with MSFC compiler, max. 128 kB input and output data, version-specific license key

2985495	PC WORX PRO-MSFC LIC	Software package for PC-based automation solutions, PC WORX PRO-MSFC license, contains all 5 IEC languages and MSFC compiler, max. 64 Kbytes IN, 64 Kbytes OUT, version-specific license key
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Diagrams/Drawings

Dimensioned drawing



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