

Controller - ILC 130 ETH - 2988803

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Inline Controller with Ethernet interface for coupling to other controllers and systems, with programming options according to IEC 61131-3, complete with connector and labeling field.

Product description

The ILC 130 ETH supplements the highly modular range of Inline controllers from Phoenix Contact with a powerful compact controller. This controller further extends the possible area of application of Inline controllers to smaller applications. The compact controller can be adapted to the relevant requirements in a highly modular manner thanks to direct integration in the Inline automation system. Using its integrated Ethernet interface, it can be parameterized and programmed in accordance with IEC 61131 using the PC Worx automation software; it can also exchange data with OPC servers simultaneously and communicate with TCP/IP-compatible devices.

The Inline Controller range of controllers covers a wide performance spectrum. Users can find the right controller for their application, from a starter version up to a high end controller. In the portfolio, users can choose between controllers with different computing capacities, with or without PROFINET IO controllers and with or without GL approval.

Why buy this product

- ✓ Numerous protocols supported such as: HTTP, FTP, SNTP, SNMP, SMTP, SQL, MySQL, etc.
- ✓ Free engineering with PC Worx Express (IEC 61131-3)
- ✓ Complete fieldbus master (4096 I/O points)
- ✓ Integrated web server for visualization with WebVisit
- ✓ FTP server
- ✓ Flash file system



Key commercial data

Packing unit	0
Minimum order quantity	1
Catalog page	Page 18 (AX-2011)
GTIN	 4 046356 340120
Custom tariff number	85371091
Country of origin	GERMANY

Technical data

Control system

Programming tool	PC Worx/PC Worx Express
Diagnostics tool	DIAG+

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Technical data

Mechanical design

Height	119.8 mm
Width	80 mm
Depth	71.5 mm
Weight	285 g
Degree of protection	IP20
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 mean sea level)
Air pressure (storage/transport)	70 kPa ... 106 kPa (up to 3000 m above mean sea level)
Vibration (operation)	5 g
Shock	25g, Criterion 1, according to IEC 60068-2-27

Data interfaces

Interface	INTERBUS local bus (master)
Connection method	Inline data jumper
Transmission speed	500 kBaud / 2 MBaud umschaltbar
Interface	Parameterization/operation/diagnostics
Connection method	RS-232-C, 6-pos. MINI-DIN female connector (PS/2), Ethernet 10/100 (RJ45)
Transmission speed	max. 115,2 kBit/s
Interface	Ethernet 10Base-T/100Base-TX
Connection method	RJ45 female connector
Transmission speed	10/100 MBit/s

Power supply

Typical current consumption	210 mA
Max. current consumption	870 mA (370 mA communications power + 500 mA analog voltage supply)
Supply voltage	24 V DC
Supply voltage range	19.2 V DC ... 30 V DC
Residual ripple	± 5 %

INTERBUS data

Type	INTERBUS master
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. 8
Number of supported devices	max. 63
Number of I/O nodes	max. 4096

Direct I/Os

Input name	Digital inputs
Number of inputs	8
Connection method	Inline potential distributor

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Technical data

Direct I/Os

Output name	Digital outputs
Number of outputs	4
Connection method	2, 3, 4-wire
Maximum output current per channel	500 mA

IEC 61131 runtime system

Programming tool	PC Worx/PC Worx Express
Processing speed	1.7 ms (1 K mix instructions)
Processing speed	90 µs (1 K bit instructions)
Data memory	192 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
Realtime clock	Yes

Classifications

eclass

eCl@ss 4.0	27250203
eCl@ss 4.1	27240601
eCl@ss 5.0	27242215
eCl@ss 5.1	27242207
eCl@ss 6.0	27242207
eCl@ss 7.0	27242207

etim

ETIM 2.0	EC000236
ETIM 3.0	EC000236
ETIM 4.0	EC000236

unspsc

UNSPSC 6.01	43172015
UNSPSC 7.0901	43201404
UNSPSC 11	43172018
UNSPSC 12.01	43201404
UNSPSC 13.2	43201404

Accessories

Accessories

Cable/conductor

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Accessories

Connecting cable - PRG CAB MINI DIN - 2730611



Connecting cable, for connecting the controller to a PC (RS-232) for PC Worx, 3 m in length

Software

Software - AX OPC SERVER - 2985945



AX OPC SERVER, communication interface for OPC-capable visualization with PC WORX-based controls.

Software - AX+ BASIC - 2985068



Software CD for FDT container for integrating device DTMs (free download)

Software - AX DTM LIB - 2988065



DTM library