

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 plug 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 controllers and with or without GL approval.

Your advantages

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



Key Commercial Data

| | |
|--------------|---------------|
| Packing unit | 1 pc |
| GTIN | |
| GTIN | 4046356340120 |

Technical data

Dimensions

| | |
|--------|----------|
| Width | 80 mm |
| Height | 119.8 mm |
| Depth | 71.5 mm |

Controller - ILC 130 ETH - 2988803

Technical data

Ambient conditions

| | |
|--|---|
| 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 sea level) |
| Air pressure (storage/transport) | 70 kPa ... 106 kPa (up to 3000 m above sea level) |
| Shock | 25g, Criterion 1, according to IEC 60068-2-27 |
| Vibration (operation) | 5g |

Control system

| | |
|--------------------|-------------------------------|
| Engineering tool | PC WORX |
| | PC WORX EXPRESS |
| Diagnostics tool | DIAG+ |
| Configuration tool | Config+ Version 1.01 or later |

Mechanical design

| | |
|-----------------------|-------|
| Weight | 285 g |
| Diagnostics display | No |
| Controller redundancy | No |

Data interfaces

| | |
|--------------------|--|
| Interface | INTERBUS local bus (master) |
| Number | 1 |
| Connection method | Inline data jumper |
| Transmission speed | 500 kBaud / 2 MBaud (can be switched) |
| Interface | Parameterization/operation/diagnostics |
| Number | 1 |
| Connection method | 6-pos. MINI DIN socket (PS/2) |
| Transmission speed | max. 115.2 kbps |
| Interface | Ethernet 10Base-T/100Base-TX |
| Number | 1 |
| Connection method | RJ45 jack |
| Transmission speed | 10/100 Mbps |

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 % |
| Power dissipation | max. 5 W |

Controller - ILC 130 ETH - 2988803

Technical data

Fieldbus function

| | |
|---|---------------------------------------|
| Amount of process data | max. 2048 Bit (INTERBUS) |
| Number of supported devices | max. 63 |
| Number of local bus devices that can be connected | max. 63 (observe current consumption) |
| Number of devices with parameter channel | max. 8 |
| Program memory | 192 kByte |

Direct I/Os

| | |
|------------------------------------|------------------------------|
| Input name | Digital inputs |
| Number of inputs | 8 |
| Connection method | Inline potential distributor |
| Connection technology | 2, 3, 4-wire |
| Output name | Digital outputs |
| Number of outputs | 4 |
| Connection method | Spring-cage connection |
| Connection technology | 2, 3, 4-wire |
| Maximum output current per channel | 500 mA |

IEC 61131 runtime system

| | |
|-------------------------|-----------------|
| Engineering tool | PC WORX |
| | PC WORX EXPRESS |
| Program memory | 192 kByte |
| Mass storage | 192 kByte |
| Retentive mass storage | 8 kByte (NVRAM) |
| Number of control tasks | 8 |
| Realtime clock | Yes |

Standards and Regulations

| | |
|-------------------------------|---|
| Vibration (storage/transport) | 5g |
| Shock | 25g, Criterion 1, according to IEC 60068-2-27 |
| Vibration (operation) | 5g |

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" |

Classifications

eCl@ss

| | |
|---------------|----------|
| eCl@ss 10.0.1 | 27242207 |
| eCl@ss 4.0 | 27250200 |
| eCl@ss 4.1 | 27240600 |

Controller - ILC 130 ETH - 2988803

Classifications

eCl@ss

| | |
|------------|----------|
| eCl@ss 5.0 | 27242700 |
| eCl@ss 5.1 | 27242700 |
| eCl@ss 6.0 | 27242200 |
| eCl@ss 7.0 | 27242207 |
| eCl@ss 8.0 | 27242207 |
| eCl@ss 9.0 | 27242207 |

ETIM

| | |
|----------|----------|
| ETIM 2.0 | EC000236 |
| ETIM 3.0 | EC000236 |
| ETIM 4.0 | EC000236 |
| ETIM 5.0 | EC001603 |
| ETIM 6.0 | EC000236 |
| ETIM 7.0 | EC000236 |

UNSPSC

| | |
|---------------|----------|
| UNSPSC 6.01 | 43172015 |
| UNSPSC 7.0901 | 43201404 |
| UNSPSC 11 | 43172018 |
| UNSPSC 12.01 | 43201404 |
| UNSPSC 13.2 | 39122114 |
| UNSPSC 18.0 | 39122114 |
| UNSPSC 19.0 | 39122114 |
| UNSPSC 20.0 | 39122114 |
| UNSPSC 21.0 | 39122114 |

Accessories

Accessories

Drivers and interfaces

Software - AX OPC SERVER - 2985945



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

Programming cable

Controller - ILC 130 ETH - 2988803

Accessories

Connecting cable - COM CAB MINI DIN - 2400127



Connecting cable, for connecting the controller to a PC (RS-232) for PC WORX with flow control, 3 m in length

Software - IPASSIGN - 2701094



IPAssign is an easy to use tool for setting the IP address of devices which rely on BOOTP. No installation or administrative rights are required to use IPAssign.

This product is free and only available from the "Downloads" tab.

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