

ILC 131 STARTERKIT - Starter kit

2701835

<https://www.phoenixcontact.com/us/products/2701835>



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ILC 131 starter kit incl. ILC 131 ETH, control panel, power supply unit, plus accessories and cables with test application set up



Your advantages

- Integrated I/Os: 8/4
- Processing time per 1000 instructions: 90 μ s (bit data types), 1.7 ms (mixed data types)
- Program memory/data storage: 192 kB/192 kB
- Retentive data storage: 8 kB
- Supply voltage: 24 V DC

Commercial data

Item number	2701835
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	DR10
Product key	DRAAAA
GTIN	4046356858588
Weight per piece (including packing)	4,440 g
Weight per piece (excluding packing)	2,099 g
Customs tariff number	85371091
Country of origin	DE

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Set consists of

ILC 131 ETH - Controller

2700973

<https://www.phoenixcontact.com/us/products/2700973>

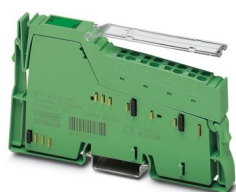


The Inline controller offers the option of communicating via PROFINET and Modbus/TCP. Programming is carried out using PC Worx Express or PC Worx (IEC 61131-3).

IB IL AI 2/SF-ME - Analog module

2863944

<https://www.phoenixcontact.com/us/products/2863944>



Inline, Analog input terminal, Analog inputs: 2, 0 V ... 10 V, -10 V ... 10 V, 0 mA ... 20 mA, 4 mA ... 20 mA, -20 mA ... 20 mA, connection technology: 2-conductor, transmission speed in the local bus: 500 kbps, degree of protection: IP20, including Inline connector and labeling field

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UM 45-IB-DI/SIM8 - Termination board

2962997

<https://www.phoenixcontact.com/us/products/2962997>



VARIOFACE switch module, with COMBICON connector, for simulation, for 8 signals, for mounting DIN rail NS 35

PC WORX EXPRESS - Programming software

2988670

<https://www.phoenixcontact.com/us/products/2988670>



PC Worx Express is an easy-to-use engineering software tool. Class 100 and class 1000 modular small-scale controllers as well as the PC WORX SRT software controller with FBD, LD, and ST IEC 61131 programming languages are supported. Projects with max. 128 kB of input and output data can be created. The software is available free of charge and does not require a license key. It is part of the AUTOMATIONWORX Software Suite, which you can download under "Downloads".

Technical data

Notes

Note on application

Note on application	Only for industrial use
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Product properties

Product type	Starter kit
Product family	Inline
Type	Inline format with alignable I/Os

System properties

Retentive data storage	8 kByte (NVRAM)
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IEC 61131 runtime system

Program memory	192 kByte
Data storage system	192 kByte
Number of control tasks	8

INTERBUS-Master

Amount of process data	max. 4096 bit (INTERBUS)
Amount of process data (INTERBUS input/output data max.)	max. 4096 bit (INTERBUS)
Amount of process data (Modbus/TCP client)	max. 8192 bit (internal Modbus /TCP client)
Number of supported devices	max. 63
Number of devices with parameter channel	max. 8

Modbus/TCP-Client

Amount of process data	max. 8192 bit (internal Modbus /TCP client)
Number of Modbus/TCP clients	max. 4 later than FW 4.42

PROFINET

Device function	PROFINET device
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Functionality

Programming languages supported	Programming in acc. with IEC 61131-3
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System requirements

Configuration tool	Config+ Version 1.01 or later
Diagnostics tool	DIAG+
Runtime system	eCLR
Application interface	OPC

Electrical properties

Real-time clock

Description realtime clock	integrated (rechargeable battery buffered)
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Potentials

Supply voltage	7.5 V DC $\pm 5\%$
Power supply	max. 0.8 A DC (observe derating)

Potentials

Supply voltage	24 V DC -15 % / +20 %
Power supply	0.5 A DC (observe derating)

Potentials

Supply voltage	24 V DC -15 % / +20 % (in accordance with EN 61131-2)
Power supply	max. 8 A DC (sum of $U_M + U_S$)
Current draw	max. 8 A DC

Potentials

Supply voltage	24 V DC -15 % / +20 % (in accordance with EN 61131-2)
Power supply	max. 8 A (sum of $U_M + U_S$)
Current draw	max. 8 A DC

Input data

Analog:

Number of inputs	2
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Digital:

Input name	Digital inputs
Description of the input	EN 61131-2 type 1 NPN/PNP
Number of inputs	8
Connection method	Inline potential distributor
Connection technology	2-, 3-, 4-conductor

Output data

Digital:

Output name	Digital outputs
Connection method	Spring-cage connection
Connection technology	2-, 3-, 4-conductor

Mounting

Mounting type	DIN rail mounting
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Classifications

ECLASS

ECLASS-13.0	27242219
ECLASS-15.0	27242219

ETIM

ETIM 10.0	EC002581
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Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	7(a), 7(c)-I

China RoHS

Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.

EU REACH SVHC

REACH candidate substance (CAS No.)	Hexahydromethylphthalic anhydride(CAS: n/a)
	Lead(CAS: 7439-92-1)

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Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com