

Controller - ILC 200 UNI-PAC - 2862291

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Inline controller with an INTERBUS local bus interface for the Inline installation system, with programming facility in acc. with IEC 61131-3, complete with accessories (connector and labeling field)

Product Description

Inline controller

ILC 200 UNI transforms every Inline station into a distributed functional unit. ILC 200 UNI is installed below an Inline bus coupler (INTERBUS, PROFIBUS, DeviceNet™, Ethernet...). It then controls all the signals of the Inline station in every fieldbus system. This ensures maximum independence from the higher-level fieldbus system.

The functions which can be executed on ILC 200 UNI range from emergency operation functions in the event of a failure of the higher-level fieldbus, to redundancy functions and process data preprocessing, through to the distributed functional unit.

Plant engineering with its constantly changing customer requirements regarding both the fieldbus system and centralized control systems is the main field of application. ILC 200 UNI makes it possible to use identical functional units even when the higher-level fieldbus changes. This saves costs during plant engineering and at startup.

Direct fast inputs and outputs which can be used flexibly in different operating modes such as interrupt input, event counting and pulse generation ensure short response times on site.


All programming of the Inline controller is carried out with PC WORX, the automation software according to IEC 61131.

Your advantages

- Fast inputs for interrupt processing, event counting, and period measurement
- 24 V high-speed outputs for pulse width modulation



Key Commercial Data

| | |
|--------------|---|
| Packing unit | 1 pc |
| GTIN |  4 017918 909116 |
| GTIN | 4017918909116 |

Technical data

Note

| | |
|-------------------------|---|
| Utilization restriction | EMC: class A product, see manufacturer's declaration in the download area |
|-------------------------|---|

Dimensions

| | |
|--------|----------|
| Width | 73 mm |
| Height | 140.5 mm |

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Dimensions

| | |
|-------|---------|
| Depth | 71.5 mm |
|-------|---------|

Ambient conditions

| | |
|--|---|
| Degree of protection | IP20 |
| Ambient temperature (operation) | -25 °C ... 55 °C |
| Ambient temperature (storage/transport) | -25 °C ... 75 °C |
| Permissible humidity (operation) | 5 % ... 85 % (non-condensing) |
| Permissible humidity (storage/transport) | 5 % ... 85 % (non-condensing) |
| Air pressure (operation) | 70 kPa ... 108 kPa (up to 3000 m above sea level) |
| Air pressure (storage/transport) | 66 kPa ... 108 kPa (up to 3500 m above sea level) |
| Shock | 25g, Criterion 1, according to IEC 60068-2-27 |
| Vibration (operation) | 2g, criterion 1 according to IEC 60068-2-6 |

Control system

| | |
|------------------|-------------------------|
| Engineering tool | PC WORX |
| Diagnostics tool | DIAG+ from version 1.14 |

Mechanical design

| | |
|-----------------------|-------|
| Weight | 260 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 | Higher-level INTERBUS local bus (slave) |
| Number | 1 |
| Connection method | Inline data jumper |
| Transmission speed | 500 kBaud |
| Interface | Parameterization/operation/diagnostics |
| Number | 1 |
| Connection method | 6-pos. MINI DIN socket (PS/2) |
| Transmission speed | 19200 Baud |

Power supply

| | |
|---|--|
| Typical current consumption | 250 mA (no local bus device connected during idling, bus inactive) |
| Supply voltage | 7.5 V DC (the power supply comes from the upstream bus coupler) |
| Supply voltage range | 19.2 V DC ... 30 V DC |
| Residual ripple | ±5 % |
| Power dissipation | max. 1.875 W |
| Max. total permissible current consumption of all I/O terminal blocks | Communications power (7,5 V DC) the power supply comes from the upstream bus coupler |

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Power supply

| | |
|--|---------------------------------|
| | Analog supply (24 V DC) = 0.5 A |
|--|---------------------------------|

Fieldbus function

| | |
|---|---------------------------------------|
| Amount of process data | max. 4096 Bit (INTERBUS-Master) |
| | 192 Bit (INTERBUS-Slave) |
| Number of parameter data | max. 8 Byte (configurable) |
| Number of supported devices | max. 512 |
| Number of local bus devices that can be connected | max. 63 (observe current consumption) |
| Number of devices with parameter channel | max. 62 |
| Number of supported branch terminals with remote bus branch | max. 15 |

Direct I/Os

| | |
|------------------------------------|--|
| Input name | Digital inputs |
| Number of inputs | 4 |
| Connection method | Inline potential distributor |
| Connection technology | 2, 3, 4-wire |
| Description of the input | Interrupt input, fast counter, pulse generator |
| Output name | Digital outputs |
| Number of outputs | 2 |
| Connection method | Spring-cage connection |
| Connection technology | 2, 3, 4-wire |
| Maximum output current per channel | 500 mA |
| Number of pulse direction outputs | 2 |
| Limit frequency | 20 kHz |
| Number of inputs | 4 |
| Input frequency | 40 kHz |

IEC 61131 runtime system

| | |
|-------------------------|---|
| Engineering tool | PC WORX |
| Program memory | typ. 384 kByte (32 K instructions (IL)) |
| Mass storage | 330 kByte |
| Retentive mass storage | 8 kByte (NVRAM) |
| Number of control tasks | 8 |
| Realtime clock | Integrated (battery backup) |

Standards and Regulations

| | |
|----------------------------------|---|
| Vibration (storage/transport) | 2g, criterion 1 according to IEC 60068-2-6 |
| Connection in acc. with standard | CUL |
| Shock | 25g, Criterion 1, according to IEC 60068-2-27 |
| Vibration (operation) | 2g, criterion 1 according to IEC 60068-2-6 |

Environmental Product Compliance

| | |
|------------|--|
| REACH SVHC | 1,2-dimethoxyethane, ethylene glycol dimethyl ether (EGDME) 110-71-4 |
|------------|--|

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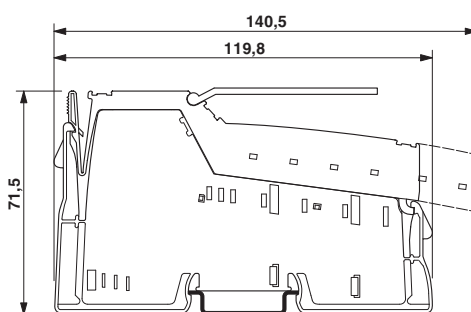
Technical data

Environmental Product Compliance

| | |
|------------|---|
| | Lead 7439-92-1 |
| China RoHS | Environmentally Friendly Use Period = 50 |
| | For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration" |

Drawings

Dimensional drawing



Approvals

Approvals

Approvals

UL Recognized / cUL Recognized / EAC / cULus Recognized

Ex Approvals

UL Recognized / cUL Recognized / cULus Recognized

Approval details

| | | | |
|---------------|--|---|---------------|
| UL Recognized | | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm | FILE E 140324 |
|---------------|--|---|---------------|

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| cUL Recognized | | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm | FILE E 140324 |
|----------------|--|---|---------------|

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Approvals

| | | |
|-----|---|--------------------------|
| EAC |  | RU *- DE.A*30.B.00238 |
|-----|---|--------------------------|

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| cULus Recognized |  |
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- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

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