

ILC 200 UNI-PAC

Order No.: 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)



Commercial data

GTIN (EAN)	 4 017918 909116
sales group	K221
Pack	1 pcs.
Customs tariff	85371091
Catalog page information	Page 27 (AX-2009)

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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.

Technical data

Control system

Programming tool	PC WORX 3
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Mechanical design

Height	140.5 mm
Width	73 mm
Depth	71.5 mm
Weight	260 g
Degree of protection	IP20
Ambient temperature (operation)	-25 °C ... 55 °C
Ambient temperature (storage/transport)	-25 °C ... 75 °C
Permissible humidity (operation)	75 % ... 85 % (no condensation)
Permissible humidity (storage/transport)	75 % ... 85 % (no condensation)

Data interfaces

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

Power supply

Typical current consumption	250 mA (no local bus device connected during idling, bus inactive)
Supply voltage	(the power supply comes from the upstream bus coupler)
Supply voltage range	20.4 V DC ... 30 V DC
Residual ripple	± 1.5%
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
	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
Battery	Integrated (rechargeable battery buffered)
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	LED: D, TR

IEC 61131 runtime system

Programming tool	PC WORX 3
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
Realtime clock	Yes

Inline potential routing

Communications power U_L	7.5 V DC $\pm 5\%$
Current consumption from U_L	Typ. 250 mA
Main circuit supply U_M	24 V DC -15% / +20% (in acc. with EN 61131-2)
Segment supply voltage U_S	24 V DC -15% / +20% (in acc. with EN 61131-2)
Current consumption from U_S	max. 2 A
I/O supply voltage U_{ANA}	24 V DC -15% / +20%

Certificates / Approvals



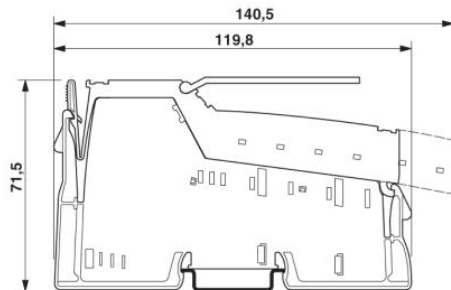
Certification	CUL, GOST, UL
Certifications applied for:	UL-EX / CUL-EX

Accessories

Item	Designation	Description
Plug/Adapter		
2729622	ILC IB-PLSET	Connector set, for Inline Remote Field Controller
2737083	ILC UNI-PLSET	Connector set for the Inline controller
2730611	PRG CAB MINI DIN	Connection cable, to connect Remote Field Controllers to a PC (RS-232) for PC WORX, 3 m in length
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

Diagrams/Drawings

Dimensioned drawing



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