

ILC 170 ETH 2TX

Order No.: 2916532



Commercial data

EAN	4046356174107
Pack	1
Customs tariff	85371091
Weight/Piece	356.10 g
Catalog page information	Page 25 (AX-2009)

Product notes

WEEE/RoHS-compliant since:
12/03/2009

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Product description

The ILC 170 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 interfaces, it can be parameterized and programmed as per 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.

Technical data**Control system**

Programming tool	PC WORX 5
Diagnostics tool	DIAG+ from version 1.14

Mechanical design

Height	119.8 mm
Width	80 mm
Weight	285 g
Ambient temperature (operation)	-25 °C ... 60 °C
Degree of protection	IP20

Data interfaces

Interface	INTERBUS local bus (master)
Type of connection	Inline data jumper
Interface	Parameterization/operation/diagnostics
Type of connection	RS-232-C, 6-pos. MINI-DIN female connector (PS/2), Ethernet 10/100 (RJ45)
Interface	Ethernet 10Base-T/100Base-TX
Type of connection	RJ45 female connector
Transmission speed	10/100 MBit/s

Power supply

Typical current consumption	210 mA (no local bus device connected during idling, bus inactive)
Max. current consumption	870 mA (370 mA communications power + 500 mA analog voltage supply)
Supply voltage	24 V DC
Range of supply voltages	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. 24
Number of supported devices	max. 128

Number of I/O nodes	max. 4096
Battery	Integrated (rechargeable battery buffered)
Number of control tasks	8
Number of timers, counters	(depending on data memory)
Number of data blocks	(depending on data memory)
Data memory	512 kByte
Retentive data memory	48 kByte (NVRAM)

IEC 61131 runtime system

Programming tool	PC WORX 5
Data memory	512 kByte
Retentive data memory	48 kByte (NVRAM)
Number of data blocks	(depending on data memory)
Number of timers, counters	(depending on data memory)
Number of control tasks	8
Realtime clock	Yes

Inline potential routing

Communications voltage U_L	7.5 V DC $\pm 5\%$
Power supply for U_L	0.8 A DC (observe derating)
Supply for main circuit U_M	24 V DC -15% / +20% (in acc. with EN 61131-2)
Power supply for U_M	max. 8 A
Segment power supply voltage U_S	24 V DC -15% / +20% (in acc. with EN 61131-2)
Power supply for U_S	max. 8 A
Current consumption from U_S	max. 8 A
I/O supply voltage U_{ANA}	24 V DC -15% / +20%
Power supply for U_{ANA}	0.5 A DC (observe derating)

Accessories

Item	Designation	Description
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Literature

2745554	IB IL SYS PRO UM	User Manual, German, for configuring and installing the INTERBUS Inline product range
2743048	IB IL SYS PRO UM E	User Manual, English, for configuring and installing the INTERBUS Inline product range
2743792	IBS SYS PRO INST UM	User Manual, German, for project planning and installation of the INTERBUS system, with collection of data sheets

2743802	IBS SYS PRO INST UM E	User Manual, English, for project planning and installation of the INTERBUS system, with collection of data sheets
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Memory

2988120	SD FLASH 256MB	Program and configuration memory, pluggable, 256 Mbyte
2988816	SD FLASH 256MB APPLIC A	Program and configuration memory, pluggable, 256 Mbyte

Software

2985945	AX OPC SERVER	AX-OPC-SERVER, communication interface for OPC-capable visualization with PC WORX-based controls
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