



Automatización Eléctrica
Especialistas en Automatización

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Controllers

Compact controllers

Class 100 controllers

Class 100 programmable logic controllers impress with their high function density at low prices. They support all common communication paths, such as Ethernet, mobile phone or fixed-line network.

The controllers can be easily extended with Inline I/O modules and offer an integrated web server. As the interface between the control center and I/O level, they efficiently control the data flow of your system. In short, they are ideal for small to medium-sized applications, even in distributed systems.

Your advantages:

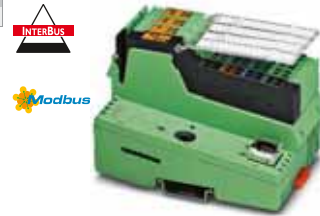
- Maximum flexibility - numerous I/Os and special function modules can be mounted side by side
- Cost-effective solution, thanks to the excellent price/performance ratio with high function density
- Optimum communication - with integrated, freely programmable web server for visualization with the WebVisit software
- Versatile use, as all common IT protocols are supported

Additional features:

- Modbus/TCP is integrated in the firmware - this increases performance and simplifies configuration. This makes communication with other Modbus devices even easier
- SD card slot: for quick memory expansion and easy enabling of software blocks
- FTP server
- Flash file system
- Complete fieldbus master (4096 I/O points)
- Numerous protocols supported such as: HTTP, FTP, SNTp, SNMP, SMTP, SQL, MySQL, etc.
- Intuitive programming using PC Worx or using the free PC Worx EXPRESS software
- The XC versions are also suitable for increased temperature requirements (-40°C to +60°C)

Notes:

1) EMC: Class A product, see page 553



Compact controller – basic device



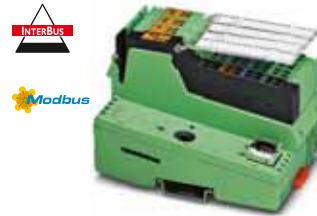
	Technical data	
	ILC 131 ETH ¹⁾	ILC 131 ETH/XC ¹⁾
Interfaces		
INTERBUS local bus (master)	Inline data jumper	
Ethernet	RJ45 socket	
Parameterization/operation/diagnostics	RS-232-C, 6-pos. MINI-DIN socket (PS/2), Ethernet 10/100 (RJ45)	
INTERBUS master		
Number of possible parameter channels	max. 8	
Number of I/O nodes	max. 4096	
Number of supported devices	max. 63	
Direct I/Os		
Number of inputs	8	
Number of outputs	4	
IEC-61131 runtime system		
Programmable under	PC WorX in IEC 61131	
Processing speed	1,7 ms (1 K mix instructions) 90 µs (1 K bit instructions)	
Program memory		
Data memory	192 kbyte (16 K instructions (IL)) 192 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	
Power supply		
Supply voltage	24 V DC	
Supply voltage range	19.2 V DC ... 30 V DC	
Typical current consumption	210 mA	
General data		
Width	80 mm	
Height	119.8 mm	
Depth	71.5 mm	
Degree of protection	IP20	
Ambient temperature (operation)	-25 °C ... 55 °C -40 °C ... 60 °C	

Description	Ordering data		
	Type	Order No.	Pcs. / Pkt.
Compact controller, complete with accessories (connector plug and marking field)	ILC 131 ETH ¹⁾	2700973	1
	ILC 131 ETH/XC ¹⁾	2701034	1

Programming cable	Accessories		
	PRG CAB MINI DIN	2730611	1
Parameterization memory, replaceable	- 256 MB		
	- 2 GB	SD FLASH 2GB	2988162 1
	- 512 MB	SD FLASH 512MB	2988146 1
	- 2 GB, with license code	SD FLASH 2GB APPLIC A	2701190 1
	- 512 MB, with license code	SD FLASH 512MB APPLIC A	2701799 1
AX OPC SERVER, communication interface for OPC-compatible visualization with PC Worx-based controllers	AX OPC SERVER	2985945	1

Controllers

Compact controllers



Compact controller with remote bus support



	Technical data	
	ILC 151 ETH ¹⁾	ILC 151 ETH/XC ¹⁾
Interfaces		
Inline data jumper	RJ45 socket	
Ethernet	RS-232-C, 6-pos. MINI-DIN socket (PS/2), Ethernet 10/100 (RJ45)	
INTERBUS master		
Number of possible parameter channels	max. 16	
Number of I/O nodes	max. 4096	
Number of supported devices	max. 128	
Direct I/Os		
Number of inputs	8	
Number of outputs	4	
IEC-61131 runtime system		
Programmable under	PC WorX in IEC 61131	
Processing speed	1,5 ms (1 K mix instructions) 90 µs (1 K bit instructions)	
Program memory		
Data memory	256 kbyte (21 K instructions (IL)) 256 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	
Power supply		
Supply voltage	24 V DC	
Supply voltage range	19.2 V DC ... 30 V DC	
Typical current consumption	210 mA	
General data		
Width	80 mm	
Height	119.8 mm	
Depth	71.5 mm	
Degree of protection	IP20	
Ambient temperature (operation)	-25 °C ... 55 °C -40 °C ... 60 °C	

Description	Ordering data		
	Type	Order No.	Pcs. / Pkt.
Compact controller, complete with accessories (connector plug and marking field)	ILC 151 ETH ¹⁾	2700974	1
	ILC 151 ETH/XC ¹⁾	2701141	1

Programming cable	Accessories		
	PRG CAB MINI DIN	2730611	1
Parameterization memory, replaceable	- 256 MB		
	- 2 GB	SD FLASH 2GB	2988162 1
	- 512 MB	SD FLASH 512MB	2988146 1
	- 2 GB, with license code	SD FLASH 2GB APPLIC A	2701190 1
	- 512 MB, with license code	SD FLASH 512MB APPLIC A	2701799 1
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Compact controller with two Ethernet ports



	Technical data	
	ILC 171 ETH 2TX	2700975
Interfaces		
Inline data jumper	RJ45 socket	
Ethernet	RS-232-C, 6-pos. MINI-DIN socket (PS/2), Ethernet 10/100 (RJ45)	
INTERBUS master		
Number of possible parameter channels	max. 24	
Number of I/O nodes	max. 4096	
Number of supported devices	max. 128	
Direct I/Os		
Number of inputs	8	
Number of outputs	4	
IEC-61131 runtime system		
Programmable under	PC WorX in IEC 61131	
Processing speed	1,5 ms (1 K mix instructions) 90 µs (1 K bit instructions)	
Program memory		
Data memory	512 kbyte (43 K instructions (IL)) 512 kbyte	
Retentive data memory	48 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	
Power supply		
Supply voltage	24 V DC	
Supply voltage range	19.2 V DC ... 30 V DC	
Typical current consumption	210 mA	
General data		
Width	80 mm	
Height	119.8 mm	
Depth	71.5 mm	
Degree of protection	IP20	
Ambient temperature (operation)	-25 °C ... 55 °C	

Description	Ordering data		
	Type	Order No.	Pcs. / Pkt.
Compact controller, complete with accessories (connector plug and marking field)	ILC 171 ETH 2TX	2700975	1

Programming cable	Accessories		
	PRG CAB MINI DIN	2730611	1
Parameterization memory, replaceable	- 256 MB		
	- 2 GB	SD FLASH 256MB	2988120 1
	- 512 MB	SD FLASH 512MB	2988162 1
	- 2 GB, with license code	SD FLASH 2GB APPLIC A	2701190 1
	- 512 MB, with license code	SD FLASH 512MB APPLIC A	2701799 1
AX OPC SERVER, communication interface for OPC-compatible visualization with PC Worx-based controllers	AX OPC SERVER	2985945	1



High-performance compact controller with integrated floating-point arithmetic



	Technical data	
	ILC 191 ETH 2TX	2700976
Interfaces		
Inline data jumper	RJ45 socket	
Ethernet	RS-232-C, 6-pos. MINI-DIN socket (PS/2), Ethernet 10/100 (RJ45)	
INTERBUS master		
Number of possible parameter channels	max. 24	
Number of I/O nodes	max. 4096	
Number of supported devices	max. 128	
Direct I/Os		
Number of inputs	8	
Number of outputs	4	
IEC-61131 runtime system		
Programmable under	PC WorX in IEC 61131	
Processing speed	1,3 ms (1 K mix instructions) 90 µs (1 K bit instructions)	
Program memory		
Data memory	1 Mbyte (86 K instructions (IL)) 1 Mbyte	
Retentive data memory	48 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	
Power supply		
Supply voltage	24 V DC	
Supply voltage range	19.2 V DC ... 30 V DC	
Typical current consumption	210 mA	
General data		
Width	80 mm	
Height	119.8 mm	
Depth	71.5 mm	
Degree of protection	IP20	
Ambient temperature (operation)	-25 °C ... 55 °C	

Description	Ordering data		
	Type	Order No.	Pcs. / Pkt.
Compact controller, complete with accessories (connector plug and marking field)	ILC 191 ETH 2TX	2700976	1

Programming cable	Accessories		
	PRG CAB MINI DIN	2730611	1
Parameterization memory, replaceable	- 256 MB		
	- 2 GB	SD FLASH 256MB	2988120 1
	- 512 MB	SD FLASH 512MB	2988162 1
	- 2 GB, with license code	SD FLASH 2GB APPLIC A	2701190 1
	- 512 MB, with license code	SD FLASH 512MB APPLIC A	2701799 1
AX OPC SERVER, communication interface for OPC-compatible visualization with PC Worx-based controllers	AX OPC SERVER	2985945	1



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- Logistics systems for the shipment of materials almost anywhere in the world.
- Purchasing management, order record and tracking of shipments.

To access the product, [click on the green button.](#)

Product	Code	Reference	Product link
Connecting cable, for connecting the controller to a PC (RS-232) for PC Worx, 3 m in length	2730611	PRG CAB MINI DIN	Buy on EAN
Program and configuration memory, plug-in, 256 MB	2988120	SD FLASH 256MB	Buy on EAN