

# FC 350 PCI ETH - Controller



2730844

<https://www.phoenixcontact.com/us/products/2730844>

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Field controller with electrical isolation incl. Generation 4 operating system for IEC-61131 runtime system for PC Worx, PC controller board in PCI format

## Product description

### Field controllers with PCI interface

The basic version of our field controllers - FC 200 PCI - belongs to the type 200 performance class of our control solutions (ILC 200 IB, ILC 200 UNI, IBS ISA FC/I-T, IB ST 24 RFC-T). It expands the standard PC to make it a fully-fledged controller in acc. with IEC 61131-3, with parameterization memory, additional memory for remanent data, and direct I/Os

There is an option for the connection of an external 5 V power supply to ensure uninterrupted operation of the INTERBUS system.

To ensure consistent configuration and programming, the field controller is integrated into the universal control system of Phoenix Contact by means of the PC WORX 3 programming environment. The powerful slot PLC can be programmed in all five IEC 61131-3 languages.

The field controllers thus combine such important properties as realtime capability, safety and simple programming with the versatility and openness of a PC, and thus provide autonomous performance for control functions in realtime, independent of the host.

The PC system thus remains free for the visualization of the process signals and parameters connected via INTERBUS. A standardized coupling to the different visualization packages is available via the OPC interface.

## Commercial data

Item number	2730844
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	DR10
Product key	DRABBA
GTIN	4017918987213
Weight per piece (including packing)	184.8 g
Weight per piece (excluding packing)	139.73 g
Customs tariff number	85371091
Country of origin	DE

## Technical data

### Product properties

Type	PC card
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### System properties

Retentive data storage	64 kByte (NVRAM)
Operating system	Windows 2000
	Windows XP

### IEC 61131 runtime system

Program memory	typ. 1 Mbyte (85 K instructions (IL))
Data storage system	2 Mbyte
Number of control tasks	16

### INTERBUS-Master

Amount of process data (Local bus)	max. 8192 bit (INTERBUS-Master)
Amount of process data	max. 512 bit (INTERBUS-Slave)
Number of devices with parameter channel	max. 126

### System requirements

Diagnostics tool	DIAG+ from version 1.14
Driver	Windows 2000
	Windows XP

### Electrical properties

Maximum power dissipation for nominal condition	max. 5 W
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### Supply

Supply voltage	5 V DC $\pm 5\%$
Supply voltage range	4.75 V DC ... 5.25 V DC (including ripple)
Typical current consumption	1 A (please observe increased inrush current)

### Real-time clock

Realtime clock	yes
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### Potentials

Supply voltage	5 V DC -15 % / +20 % (in accordance with EN 61131-2)
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### Input data

#### Digital:

Number of inputs	5
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### Output data

#### Digital:

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Number of outputs	3
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## Interfaces

### Host system

Connection method	IBM-compatible PCI slot in acc. with PCI specification 2.1 or higher, PCI bus, 32 bit, 33 MHz, 5 V
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### INTERBUS master interface

Connection method	9-pos. D-SUB socket strip
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### Parameterization/operation/diagnostics

Connection method	RS-232-C, MINI-DIN socket; Ethernet 10/100 (RJ45), PCI bus, 32 bits, 33 MHz, 5 V
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## Dimensions

Width	168 mm
Height	107 mm
Depth	18 mm

### External dimensions

Width / Height / Depth	168 mm / 107 mm / 18 mm
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## Environmental and real-life conditions

### Ambient conditions

Degree of protection	IP20
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## Mounting

Mounting type	In the host system
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## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	6(a), 6(a)-I, 6(c), 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.)	1, 2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)(CAS: 110-71-4)
	Lead(CAS: 7439-92-1)

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