

FC 200 PCI - Control panel



2730666

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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	2730666
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	DR10
Product key	DRABBA
GTIN	4017918923822
Weight per piece (including packing)	180 g
Weight per piece (excluding packing)	134.93 g
Customs tariff number	84733020
Country of origin	DE

Technical data

Product properties

Type	PC card
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System properties

Control system	IBM-compatible PCs with PCI slot, 32-bit, in acc. with PCI specification 2.1 or higher
Retentive data storage	16 kByte (NVRAM)
Operating system	Windows 2000
	Windows XP

IEC 61131 runtime system

Program memory	typ. 380 kByte (32 K instructions (IL))
Data storage system	330 kByte
Number of control tasks	8

INTERBUS-Master

Amount of process data	max. 4096 bit (INTERBUS-Master)
Number of devices with parameter channel	max. 62

Local diagnostics

Monitored function	INTERBUS operating status
Optical representation	LED: READY/RUN, FAIL, PF, BSA

Functionality

Control system	IBM-compatible PCs with PCI slot, 32-bit, in acc. with PCI specification 2.1 or higher
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System requirements

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

Electrical properties

Local diagnostics	INTERBUS operating status LED: READY/RUN, FAIL, PF, BSA
	LED: FC IEC 61131 runtime system
Transmission medium	Copper
Maximum power dissipation for nominal condition	max. 3.5 W

Supply

Supply voltage	5 V DC
Supply voltage range	4.75 V DC ... 5.25 V DC (including ripple)
Power supply connection	INTERBUS master
Residual ripple	0.25 V _{PP}
Typical current consumption	0.7 A (please observe increased inrush current)

Input data

Digital:

Description of the input	Interrupt input, fast counter, pulse generator
Number of inputs	4

Output data

Digital:

Number of outputs	2
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Connection data

Connection method	Via PCI bus
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Interfaces

INTERBUS remote bus

Connection method	D-SUB-9 female connector
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Host system

Connection method	PCI bus, 32 bit, 33 MHz, 5 V
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Parameterization/operation/diagnostics

Connection method	RS-232-C, Mini-DIN female
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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, 7(a), 7(c)-I

EU REACH SVHC

REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)
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Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com