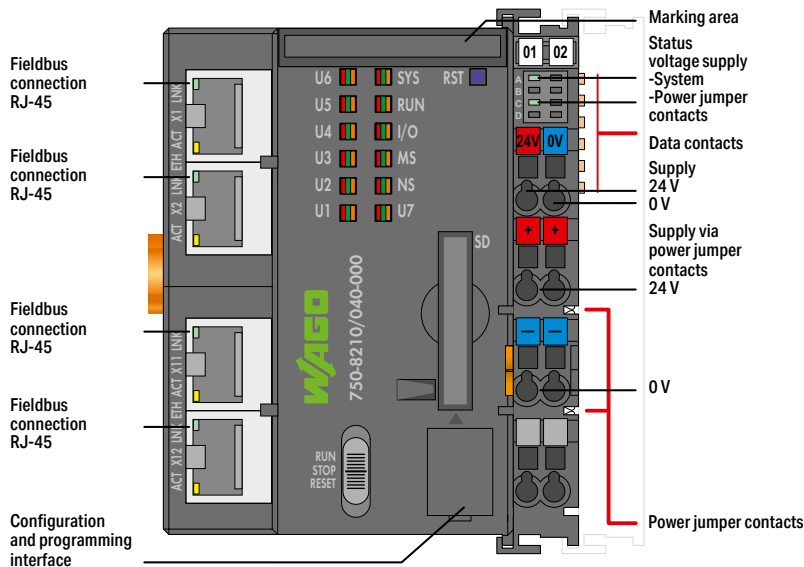


### Technical Data

Number of modules per node (max.)	250
Number of modules without bus extension (max.)	64
Configuration options	e!COCKPIT; WAGO-I/O-CHECK; Web-Based Management; e!RUNTIME library; CODESYS library
Input and output process image (internal) max.	1000 words/1000 words
Input and output process image (MODBUS) max.	1000 words/1000 words
Indicators	LED (SYS, RUN, I/O, U1 ... U7) red/green/orange: status system, program, internal data bus, status programmable by user (can be used via CODESYS library)
Supply voltage (system)	24 VDC (-25 ... 30 %); via wiring level (CAGE CLAMP® connection)
Total current (system supply)	1700 mA
Input current (typ.) at nominal load (24 V)	500 mA
Supply voltage (field)	24 VDC (-25 ... 30 %); incoming via wiring level (CAGE CLAMP® connection); 24 VDC; outgoing via power jumper contacts
Isolation	500 V (system/supply)
Number of outgoing power jumper contacts	3
Current carrying capacity (power jumper contacts)	10 A

### General Specifications

Connection technology: communication/fieldbus	Modbus TCP/UDP: 4 x RJ-45
Connection technology: system/field supply	CAGE CLAMP®
Conductor cross-sections	0.08 ... 2.5 mm <sup>2</sup> / 28 ... 14 AWG
Strip length	8 ... 9 mm / 0.31 ... 0.35 inch
Dimensions W x H x D (mm)	78.6 x 64.7 x 100;
	Height from upper-edge of DIN-rail
Mounting type	DIN-35 rail
Color	Light gray
Housing material	Polycarbonate, polyamide 6.6
Weight	214 g
Surrounding air temperature (operation)	0 ... 55 °C
Surrounding air temperature (storage)	-40 ... 85 °C
Protection type	IP20
Pollution degree	2 per IEC 61131-2
Operating altitude	Without temperature derating: 0 ... 2000 m; with temperature derating: 2000 ... 5000 m (0.5 K/100 m); maximum: 5000 m
Mounting position	Any
Relative humidity (without condensation)	95 %
Vibration resistance	4 g per IEC 60068-2-6
Shock resistance	15g per IEC 60068-2-27
EMC immunity to interference	Per EN 61000-6-2, marine applications
EMC emission of interference	Per EN 61000-6-3, marine applications
Exposure to pollutants	Per IEC 60068-2-42 and IEC 60068-2-43



The PFC200 Controller is a compact PLC for the modular WAGO I/O-SYSTEM. Besides network and fieldbus interfaces, the controller supports all digital, analog and specialty modules found within the 750/753 Series.

Four ETHERNET interface and an integrated switch enable line as well star topology wiring. An integrated Webserver provides user configuration options, while displaying PFC200 status information.

In addition to the processing industry and building automation, typical applications for the PFC200 include standard machinery and equipment control (e.g., packaging, bottling and manufacturing systems, as well as textile, metal and wood processing machines).

#### Advantages:

- Programming per IEC 61131-3
- Programmable via WAGO I/O-PRO V2.3 or *e!COCKPIT*
- Direct connection of WAGO I/O modules
- 4 x ETHERNET (configurable)
- Linux® operating system with RT-Preempt patch
- Configuration via CODESYS, *e!COCKPIT* or Web-Based Management user interface
- Maintenance-free

The device is ideal for operation in harsh environments thanks to:

- Extended temperature range
- Greater immunity to impulse voltages and electromagnetic interference
- Higher vibration and shock resistance

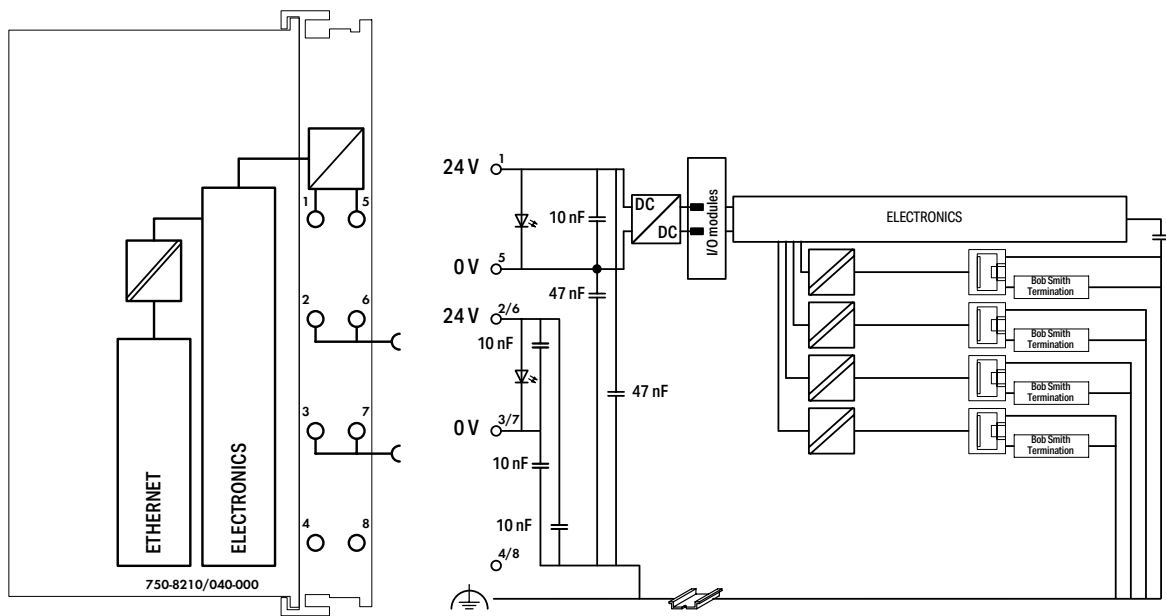
Description	Item No.	Pack. Unit
PFC200 G2 4ETH XTR	750-8210/040-000	1

Accessories	Item No.	Pack. Unit
WAGO I/O-PRO V2.3, RS-232 kit	759-333	1
<i>e!COCKPIT</i> , workstation license	2759-101/1110-2002	
SD memory card; SLC-NAND; 2 GB	758-879/000-001	1
SD memory card; pSLC-NAND; 8 GB	758-879/000-2108	1
Mini-USB Quick Marking System, plain	248-501	50

#### Approvals

Conformity marking C€  
 Ⓧ E175199 Ordinary Locations

Technical Data	
Communication	Modbus (TCP, UDP, RTU); EtherNet/IP™-Adapter via function block; Telecontrol protocol (DNP3, IEC6180, IEC60870-104) need licence
ETHERNET protocols	DHCP, DNS, NTP, FTP, FTPS, SNMP, HTTP, HTTPS, SSH
CPU	Cortex A8, 1 GHz
Operating system	Real-time Linux (with RT-Preempt patch)
Programming environment	WAGO I/O-PRO V2.3; <i>e!COCKPIT</i> (Version 1.5 or higher)
Programming languages	per IEC 61131-3 IL, LD, FBD (CFC), ST, FC
Visualization	Web-Visu
Baud rate	ETHERNET: 10/100 Mbit/s
Transmission medium	Twisted Pair S-UTP; 100 Ω; Cat. 5; 100 m maximum cable length
Type of memory card	SD and SDHC up to 32 GB (all guaranteed properties only valid with WAGO Memory Card)
SD card slot	Push-push mechanism, sealing cover lid
Main memory (RAM)	512 MB
Internal memory (flash)	4 GB
Non-volatile memory (hardware)	128 KB
Program memory	16 MB*
Data memory	64 MB*
Non-volatile memory (software)	128 KB
*For memory configuration via <i>e!RUNTIME</i> , the program and data memory together have a maximum size of 60 MB and can be distributed dynamically.	



### Technical Data

Number of modules per node (max.)	64
Configuration options	<i>e</i> /COCKPIT; WAGO-I/O-CHECK; Web-Based Management; <i>e</i> /RUNTIME library; CODESYS library
Input and output process image (internal) max.	1000 words/1000 words
Input and output process image (MODBUS) max.	1000 words/1000 words
Indicators	LED (SYS, RUN, I/O, U1 ... U7) red/green/orange: status system, program, internal data bus, status programmable by user (can be used via CODESYS library)
Supply voltage (system)	24 VDC; via pluggable connector (CAGE CLAMP® connection); Derating must be observed!
Supply voltage (field)	24 VDC; Power supply via pluggable connector (CAGE CLAMP® connection); Transmission via power jumper contacts; Derating must be observed!
Derating (supply voltage)	Surrounding air temperatures under laboratory conditions: (-25 ... +30 %); for -40 ... +55 °C: 24 V (-25 ... +20 %); for +55 ... +70 °C: 24 V (-25 ... +10 %); Lower limit in all temperature ranges: -27.5 % (including 15 % residual ripple)
Total current (system supply)	1700 mA
Input current (typ.) at nominal load (24 V)	500 mA
Rated surge voltage	1 kV
Number of outgoing power jumper contacts	2
EMC immunity to interference	acc. to EN 61000-6-1, -2, EN 61131-2, marine applications, EN 50121-3-2, -4, -5, EN 60255-26, EN 60870-2-1, EN 61850-3, IEC 61000-6-5, IEEE 1613, VDEW: 1994
EMC emission of interference	acc. to EN 61000-6-3, -4, EN 61131-2, EN 60255-26, marine applications, EN 60870-2-1, EN 61850-3, EN 50121-3-2, -4, -5

### General Specifications

Connection technology: communication/fieldbus	Modbus TCP/UDP: 4 x RJ-45
Connection technology: system/field supply	CAGE CLAMP®
Conductor cross-sections	0.08 ... 2.5 mm <sup>2</sup> / 24 ... 14 AWG
Strip length	8 ... 9 mm / 0.31 ... 0.35 inch
Dimensions W x H x D (mm)	78.6 x 64.7 x 100;
	Height from upper-edge of DIN-rail
Mounting type	DIN-35 rail
Color	Dark gray
Housing material	Polycarbonate, polyamide 6.6
Weight	217 g
Surrounding air temperature (operation)	-40 ... +70 °C
	vertical mounting position: -40 ... +65°C
Surrounding air temperature (storage)	-40 ... +85 °C
Protection type	IP20
Pollution degree	2 per IEC 61131-2
Operating altitude	Without temperature derating: 0 ... 2000 m; with temperature derating: 2000 ... 5000 m (0.5 K/100 m); maximum: 5000 m
Mounting position	Any
Relative humidity	Max. 95 %; Short-term condensation per Class 3K7/IEC EN 60721-3-3 and E DIN 40046-721-3 (except wind-driven precipitation, water and ice formation)
Vibration resistance	acc. to IEC 60068-2-6 (acceleration: 5g), EN 60870-2-2, IEC 60721-3-1, -3, EN 50155, EN 61373
Shock resistance	acc. to IEC 60068-2-27 (15g/11 ms/halfsine/1000 shocks; 25g/6 ms/1000 shocks), EN 50155, EN 61373
Exposure to pollutants	Per IEC 60068-2-42 and IEC 60068-2-43