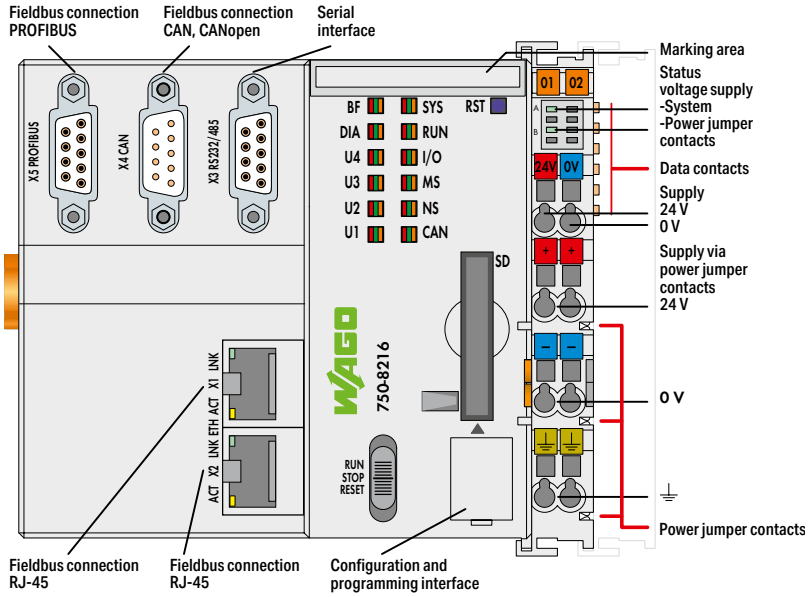
PFC200 G2 Controller; 2 x ETHERNET, RS-232/-485, CAN, CANopen, PROFIBUS Slave



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.
Two ETHERNET interfaces and an integrated switch enable line 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
- 2 x ETHERNET (configurable), RS-232/-485, CAN, CANopen, PROFIBUS DP Slave
- Linux® operating system with RT-Preempt patch
- Configuration via CODESYS, ***e!****COCKPIT* or Web-Based Management user interface
- Maintenance-free

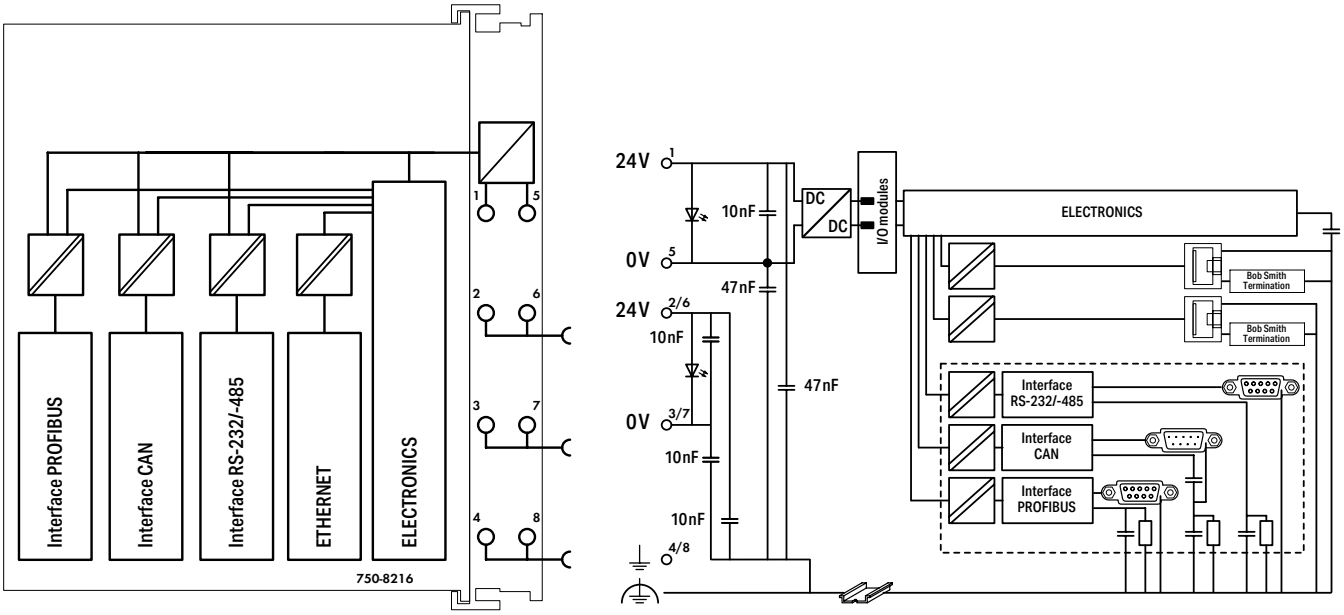
Description	Item No.	Pack. Unit
PFC200 G2 2ETH RS CAN DPS	**750-8216**	1
PFC200 G2 2ETH RS CAN DPS T	**750-8216/025-000**	1
Surrounding air temperature (operation): –20 … +60 °C		
PFC200 G2 2ETH RS CAN DPS TELE T	**750-8216/025-001**	1
Surrounding air temperature (operation): –20 … +60 °C		

Accessories	Item No.	Pack. Unit
WAGO-I/O-*PRO* V2.3, RS-232 kit	**759-333**	1
e!*COCKPIT*, workstation license	**2759-101/1110-2002**	
SD memory card, 2 GB	**758-879/000-001**	1
Mini-WSB Quick Marking System, plain	**248-501**	50

Approvals	
Conformity marking	CE
Marine applications	DNV GL
E175199 Ordinary Locations	
TÜV 14 ATEX 148929 X	II 3G Ex ec IIC T4 Gc
IECEx TUN 14.0035 X	Ex ec IIC T4 Gc
UL E198726 Hazardous Locations	Cl I, Div 2, Group A, B, C, D, T4

Technical Data	
Communication	Modbus (TCP, UDP, RTU), PROFIBUS, CANopen, telecontrol protocols (750-8216/025-001), RS-232-/-485 interface
ETHERNET protocols	DHCP, DNS, NTP, FTP, FTPS, SNMP, HTTP, HTTPS, SSH
Telecontrol protocols (750-8216/025-001)	IEC 60870-5-101/-103/-104, IEC 61850-7-4, IEC 61400-25, DNP3
CPU	Cortex A8, 1 GHz
Operating system	Real-time Linux (with RT-Preempt patch)
Programming environment	WAGO-I/O-*PRO* V2.3; ***e!****COCKPIT* (Version 1.4 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 758-879/000-001 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 ***e!****RUNTIME*, 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.)	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
Ein- und Ausgangsprozessabbild (PROFIBUS) max.	244 bytes/244 bytes
Input and output process image (CAN) max.	2000 words/2000 words
Indicators	LED (SYS, RUN, I/O, CAN, BF, DIA, U1 … U4) red/green/orange: Status system, program, internal data bus, CANopen, PROFIBUS, PROFIBUS diagnostics, status programmable by user (can be used via CODESYS library); LED (A, B) green: System power supply status, field supply
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)	550 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	PROFIBUS: 1 x D-Sub 9 socket; CANopen: 1 x D-Sub 9 plug; Modbus TCP/UDP, telecontrol protocol: 2 x RJ-45; Modbus RTU, RS-232-/-485 interface, telecontrol protocol: 1 x D-sub 9 socket
Connection technology: system/field supply	CAGE CLAMP®
Conductor cross-sections	0.08 … 2.5 mm² / 28 … 14 AWG
Strip length	8 … 9 mm / 0.31 … 0.35 inch
Dimensions W x H x D (mm)	112 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	265 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	4g 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