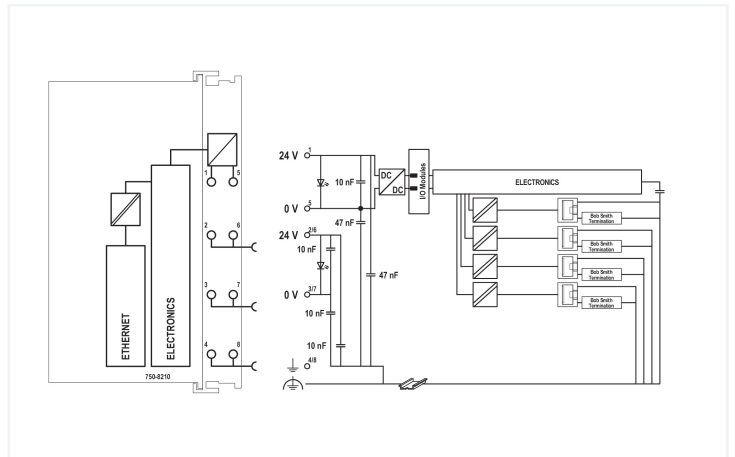


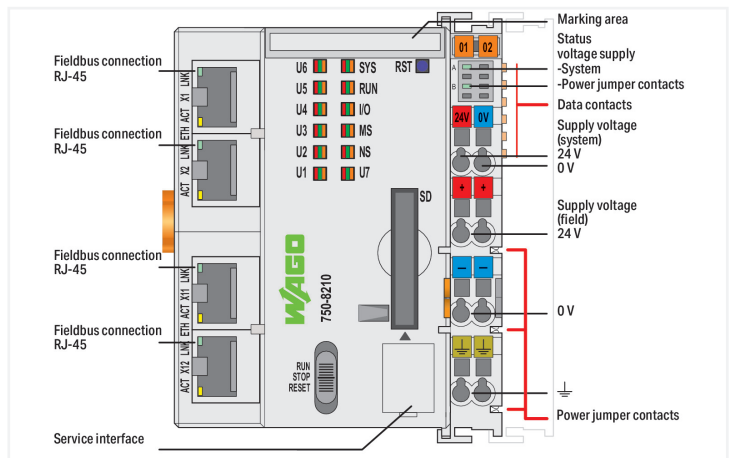


Color: ■ light gray



PFC200 Connection Options Overview

Option	Module	Ordering	Notes	Part No.	Doc. Number
1	Power supply	1000000000	Standard power supply	1000000000	1000000000
2	Power supply	1000000000	Standard power supply	1000000000	1000000000
3	Power supply	1000000000	Standard power supply	1000000000	1000000000
4	Power supply	1000000000	Standard power supply	1000000000	1000000000
5	Power supply	1000000000	Standard power supply	1000000000	1000000000
6	Power supply	1000000000	Standard power supply	1000000000	1000000000
7	Power supply	1000000000	Standard power supply	1000000000	1000000000
8	Power supply	1000000000	Standard power supply	1000000000	1000000000
9	Power supply	1000000000	Standard power supply	1000000000	1000000000
10	Power supply	1000000000	Standard power supply	1000000000	1000000000
11	Power supply	1000000000	Standard power supply	1000000000	1000000000
12	Power supply	1000000000	Standard power supply	1000000000	1000000000
13	Power supply	1000000000	Standard power supply	1000000000	1000000000
14	Power supply	1000000000	Standard power supply	1000000000	1000000000
15	Power supply	1000000000	Standard power supply	1000000000	1000000000
16	Power supply	1000000000	Standard power supply	1000000000	1000000000
17	Power supply	1000000000	Standard power supply	1000000000	1000000000
18	Power supply	1000000000	Standard power supply	1000000000	1000000000
19	Power supply	1000000000	Standard power supply	1000000000	1000000000
20	Power supply	1000000000	Standard power supply	1000000000	1000000000
21	Power supply	1000000000	Standard power supply	1000000000	1000000000
22	Power supply	1000000000	Standard power supply	1000000000	1000000000
23	Power supply	1000000000	Standard power supply	1000000000	1000000000
24	Power supply	1000000000	Standard power supply	1000000000	1000000000
25	Power supply	1000000000	Standard power supply	1000000000	1000000000
26	Power supply	1000000000	Standard power supply	1000000000	1000000000
27	Power supply	1000000000	Standard power supply	1000000000	1000000000
28	Power supply	1000000000	Standard power supply	1000000000	1000000000
29	Power supply	1000000000	Standard power supply	1000000000	1000000000
30	Power supply	1000000000	Standard power supply	1000000000	1000000000



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 interfaces and an integrated switch enable line topology wiring.
 An integrated Webserver provides user configuration options, while displaying PFC200 status information.
 Besides 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 with CODESYS V3.5 from Firmware Release 23, WAGO-I/O-PRO V2.3 or **e!COCKPIT** up to Firmware Release 22
- Direct connection of WAGO's 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

Technical data

Communication	Modbus TCP master/slave Modbus (UDP), WagoAppPlcModbus Library Modbus (RTU), WagoAppPlcModbus Library ETHERNET EtherNet/IP™ Adapter (slave) EtherNet/IP™ Scanner EtherCAT® Master OPC UA Server/Client OPC UA Pub/Sub (can be installed later) MQTT BACnet/IP, requires an additional license Telecontrol protocols, requires an additional license
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Technical data	
ETHERNET protocols	DHCP DNS NTP FTP FTPS SNMP HTTP HTTPS SSH
Telecontrol protocols	IEC 60870 (additional license as slave or master) IEC 61850 (additional license as Client or Server) DNP3 (additional license as Slave or Master)
Visualization	Web-Visu
Operating system	Real-time Linux (with RT-Preempt patch)
CPU	Cortex A8; 1 GHz
Programming languages per IEC 61131-3	Instruction List (IL) Ladder Diagram (LD) Function Block Diagram (FBD) Continuous Function Chart (CFC) Structured Text (ST) Sequential Function Chart (SFC)
Programming environment	CODESYS V3.5, Firmware Release 23 or higher e! COCKPIT (based on CODESYS V3) up to Firmware Release 22 WAGO-I/O-PRO V2.3 (based on CODESYS V2.3), up to Firmware Release 22
Configuration options	CODESYS V3 e! COCKPIT WAGO-I/O-CHECK Web-Based Management e! RUNTIME library CODESYS Library
Baud rate (communication/fieldbus 1)	10/100 Mbit/s
Baud rate	ETHERNET: 10/100 Mbit/s
Transmission medium (communication/fieldbus)	ETHERNET: Twisted pair S-UTP; 100 Ω; Cat. 5; 100 m maximum cable length
Main memory (RAM)	512 MB
Internal memory (flash)	4096 MB
Non-volatile hardware memory	128 KB
Program memory	CODESYS V2: 16 MB; CODESYS V3: 32 MB
Data memory	CODESYS V2: 64 MB; CODESYS V3: 128 MB
Non-volatile software memory	128 KB 128 KB
Type of memory card	SD and SDHC up to 32 GB (all guaranteed properties only valid with WAGO's memory card)
Memory card slot	Push-push mechanism; cover lid (sealable)
Number of modules per node (max.)	250
Number of modules without a bus extension (max.)	64
Input and output process image (internal) max.	1000 words/1000 words
Input and output process image (Modbus®) max.	CODESYS V2: 1000 words/1000 words; CODESYS V3: 32000 words/32000 words
Indicators	LED (SYS, RUN, I/O, U1 ... U7) red/green/orange: Status of system, program, local data bus, status programmable by user (can be used via CODESYS library); LED (A, C) green: Status of system power supply, field supply
Supply voltage (system)	24 VDC (-25 ... +30 %); via pluggable connector (CAGE CLAMP® connection)
Input current (typ.) at nominal load (24 V)	550 mA
Total current (system supply)	1700 mA
Supply voltage (field)	24 VDC (-25 ... +30 %); via power jumper contacts
Current carrying capacity (power jumper contacts)	10 A
Number of outgoing power jumper contacts	3
Isolation	500 V system/field

Connection data

Connection technology: communication/fieldbus	Modbus (TCP, UDP): 4 x RJ-45
Connection technology: system supply	2 x CAGE CLAMP®
Connection technology: field supply	6 x CAGE CLAMP®
Connection type 1	System/field supply
Solid conductor	0.08 ... 2.5 mm ² / 28 ... 14 AWG
Fine-stranded conductor	0.08 ... 2.5 mm ² / 28 ... 14 AWG
Strip length	8 ... 9 mm / 0.31 ... 0.35 inches
Connection technology: device configuration	1 x Male connector; 4-pole

Physical data

Width	78.6 mm / 3.094 inches
Height	100 mm / 3.937 inches
Depth	71.9 mm / 2.831 inches
Depth from upper-edge of DIN-rail	64.7 mm / 2.547 inches

Mechanical data

Weight	215.4 g
Color	light gray
Housing material	Polycarbonate; polyamide 6.6
Conformity marking	CE

Environmental requirements

Ambient temperature (operation)	0 ... +55 °C
Ambient temperature (storage)	-25 ... +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); 5000 m (max.)
Relative humidity (without condensation)	95 %
Mounting position	any
Mounting type	DIN-35 rail
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
Fire load	2.544 MJ
Permissible H ₂ S contaminant concentration at a relative humidity 75 %	10 ppm
Permissible SO ₂ contaminant concentration at a relative humidity 75 %	25 ppm

Commercial data

ETIM 8.0	EC000236
ETIM 7.0	EC000236
PU (SPU)	1 pcs
Country of origin	DE
GTIN	4055143981378
Customs tariff number	85371091990

Environmental Product Compliance

CAS-No.	1303-86-2 1317-36-8 693-98-1 7439-92-1 79-94-7
REACH Candidate List Substance	2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol 2-methylimidazole Diboron trioxide Lead Lead monoxide Perfluorobutane sulfonic acid (PFBS) and its salts
RoHS Compliance Status	Compliant,With Exemption
RoHS Exemption	6(c) 7(a) 7(c)-I 7(c)-II
SCIP notification number (Austria)	dc9d91d9-660d-4ff3-afd9-1d47b1c4db22
SCIP notification number (Belgium)	7cfc8258-17a2-4e67-ad78-d3920994dcba
SCIP notification number (Bulgaria)	bd7968c1-1c76-4bac-a9d1-3e23fd451bf5
SCIP notification number (Czech Republic)	d57b7125-570f-4220-816a-da895613054a
SCIP notification number (Denmark)	da29e0cc-8fbc-427a-a275-3e831bb84990
SCIP notification number (Finland)	5cdf7c7d-1f6e-4181-8bcb-e1305f363d19
SCIP notification number (France)	234f6839-55d0-4a9b-adb9-12e286a015ca
SCIP notification number (Germany)	ac2448b4-9ace-40cf-880f-03fc1c577665
SCIP notification number (Hungary)	bc2677ec-9534-4c90-9195-2c7e68f7b043
SCIP notification number (Italy)	39201fc2-dbc7-454b-8e5e-c8b90d123483
SCIP notification number (Netherlands)	33ec5db1-3a59-45cd-a929-05e09617b643
SCIP notification number (Poland)	edd73d07-57be-496d-be65-7ea0ea1e825f
SCIP notification number (Romania)	608bdf5d-7202-495e-a25a-72561a2c1382
SCIP notification number (Sweden)	42ea4e59-9700-4af7-ba01-b03142aa4933

Approvals / Certificates

General approvals



Approval	Standard	Certificate Name
EAC Brjansker Zertifizierungsstelle	TP TC 020/2011	EAC RU C-DE.AM02. B.00087/19
KC National Radio Research Agency	Article 58-2, Clause 3	MSIP-REM-W43-PFC750
UL Underwriters Laboratories Inc. (ORDINARY LOCATIONS)	-	E175199

Declarations of conformity and manufacturer's declarations

Approval	Standard	Certificate Name
EU-Declaration of Conformity WAGO GmbH & Co. KG	-	-

Approvals for marine applications



Approval	Standard	Certificate Name
BSH Bundesamt fuer Seeschifffahrt und Hydrographie	-	1104
BV Bureau Veritas S.A.	Rules for class. of Steel Ships	66711/A0

Approvals for marine applications

DNV DNV GL SE	DNV-CG-0339, Aug.2021	TAA0000194
KR Korean Register of Shipping	-	KR HMB05880-AC001

Subject to changes. Please also observe the further product documentation!

Current addresses can be found at: www.wago.com