Data sheet | Item number: 750-8206/040-001   DISCONTINUED

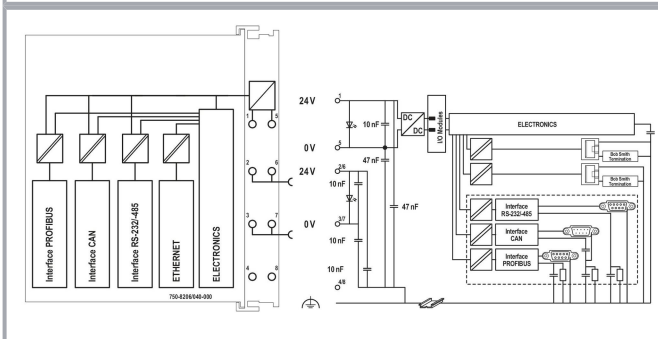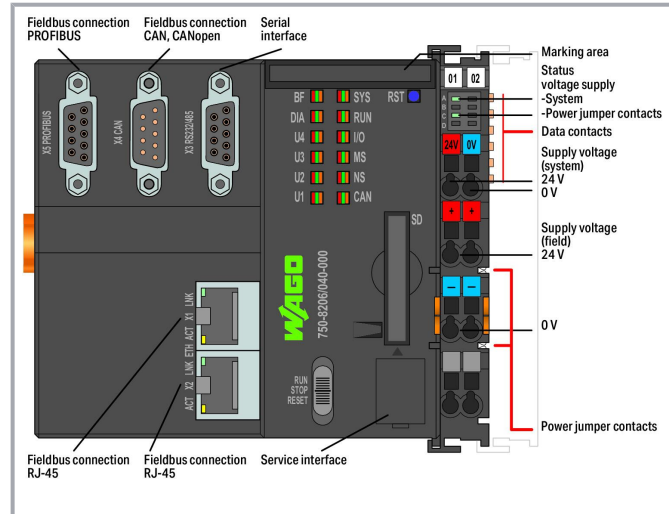## Controller PFC200; 2 x ETHERNET, RS-232/-485, CAN, CANopen, PROFIBUS Slave; Telecontrol technology; Extreme

www.wago.com/750-8206/040-001

Color:

X   This item has been discontinued and is no longer available as of 13.01.2023.

Item description

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.

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

WAGO GmbH & Co. KG
Hansastr. 27
32423 Minden
Phone: +49571 887-0 | Fax: +49571 887-169
Email: info.de@wago.com | Web: www.wago.com

Do you have any questions about our products?
We are always happy to take your call at +49 (571) 887-44222.

Two 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).

Programming per IEC 61131-3

- Programmable via WAGO-I/O-PRO V2.3
- Direct connection of WAGO's 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 or Web-Based Management interface
- Maintenance-free

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

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

Data
Technical data

Communication	PROFIBUS
	CANopen
	Modbus (TCP, UDP)
	ETHERNET
	EtherNet/IP^{TM} Adapter (slave), library for *e!RUNTIME*
	Modbus® RTU
	RS-232 serial interface
	RS-485 interface
	MQTT
	Telecontrol protocols
ETHERNET protocols	DHCP
	DNS
	NTP
	FTP
	FTPS
	SNMP
	HTTP
	HTTPS
	SSH
Telecontrol protocols	IEC 60870-5-101/-103/-104

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	IEC 61400-25
	IEC 61850-7
	DNP3
Visualization	Web-Visu
	Web Visu
Operating system	Real-time Linux (with RT-Preempt patch)
CPU	Cortex A8; 600 MHz
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	*e!COCKPIT* (based on CODESYS V3)
	WAGO-I/O-*PRO* V2.3 (based on CODESYS V2.3)
Configuration options	*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)	256 MB
Internal memory (flash)	256 MB
Non-volatile hardware memory	128 Kbytes
Program memory	CODESYS V2: 16 MB; CODESYS V3: 60 MB (Program and data memory (dynamically distributed))
Data memory	CODESYS V2: 64 MB; CODESYS V3: 60 MB Program and data memory (dynamically distributed)
Non-volatile software memory	128 Kbytes
Non-volatile software memory	128. Kbytes
Type of memory card	SD and SDHC up to 32 GB (all guaranteed properties only valid with WAGO Memory Card)
Memory card slot	Push-push mechanism; Cover lid (sealable)
Number of modules per node (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
Input and output process image (PROFIBUS) max.	244 bytes/244 bytes
Input and output process image (CAN) max.	2000 words/2000 words

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

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
Derating	Derating (supply voltage): Ambient 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)
Supply voltage (system)	24 VDC; via pluggable connector (CAGE CLAMP® connection); Derating must be observed!
Input current (typ.) at nominal load (24 V)	550 mA
Power supply efficiency (typ.) at nominal load (24 V)	90 %
Current consumption (5 V system supply)	600 mA
Total current (system supply)	1,700 mA
Supply voltage (actuator)	N/A N/A
Supply voltage (field)	24 VDC; Power supply via pluggable connector (CAGE CLAMP® connection); Transmission via power jumper contacts; Derating must be observed!
Current carrying capacity (power jumper contacts)	10 A
Number of outgoing power jumper contacts	2
Ratings per	IEC/EN 60664-1
Rated surge voltage	1 kV

Connection data

Connection technology: communication/fieldbus	PROFIBUS: 1 x D-sub 9 socket; CANopen: 1 x D-sub 9 plug; Modbus (TCP, UDP): 2 x RJ-45; Modbus® RTU: 1 x D-sub 9 socket; RS-232 serial interface: 1 x D-sub 9 socket; RS-485 interface: 1 x D-sub 9 socket; Telecontrol protocol IEC 60870-5-101/-103: 1 x D-sub 9 socket; Telecontrol protocol IEC 60870-5-104: 1 x RJ-45; Telecontrol protocol IEC 61850: 1 x RJ-45; Telecontrol protocol DNP3: 1 x RJ-45 or D-sub 9 socket
Connection technology: system supply	2 x CAGE CLAMP®
Connection technology: field supply	4 x CAGE CLAMP®
Connection type 1	System/field supply
Solid conductor	0.25 … 2.5 mm² / 24 … 14 AWG
Fine-stranded conductor	0.25 … 2.5 mm² / 24 … 14 AWG
Strip length	8 … 9 mm / 0.31 … 0.35 inches
Connection technology: device configuration	1 x Male connector; 4-pole

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

Physical data

Width	112 mm / 4.409 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	262 g
Color	dark gray
Housing material	Polycarbonate; polyamide 6.6
Conformity marking	CE

Environmental requirements

Ambient temperature (operation)	-40 … +70 °C
Ambient 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); 5000 m (max.)
Relative humidity (without condensation)	95 %
Relative humidity (with condensation)	Short-term condensation per Class 3K7/IEC EN 60721-3-3 and E-DIN 40046-721-3 (except for wind-driven precipitation, water and ice formation)
Mounting position	horizontal (standing/lying); vertical
Mounting type	DIN-35 rail
Vibration resistance	per IEC 60068-2-6 (acceleration: 5g), EN 60870-2-2, IEC 60721-3-1, -3, EN 50155; EN 61373
Shock resistance	per IEC 60068-2-27 (15g/11 ms/half-sine/1,000 shocks; 25g/6 ms/1,000 shocks), EN 50155, EN 61373
EMC immunity to interference	per EN 61000-6-1, -2; EN 61131-2; marine applications; EN 50121-3-2; EN 50121-4, -5; EN 60255-26; EN 60870-2-1; EN 61850-3; IEC 61000-6-5; IEEE 1613; VDEW: 1994
EMC emission of interference	per EN 61000-6-3, -4, EN 61131-2, EN 60255-26, marine applications, EN 60870-2-1, EN 61850-3, EN 50121-3-2, EN 50121-4, -5
Exposure to pollutants	Per IEC 60068-2-42 and IEC 60068-2-43
Fire load	3.303 MJ
Permissible H_2S contaminant concentration at a relative humidity 75 %	10 ppm

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

Permissible SO_2 contaminant concentration at a relative humidity 75 %	25 ppm

Commercial data

eCl@ss 10.0	27-24-26-07
eCl@ss 9.0	27-24-26-07
ETIM 8.0	EC000236
ETIM 7.0	EC000236
PU (SPU)	1 pcs
Packaging type	box
Country of origin	DE
GTIN	4055143353601
Customs tariff number	85371091990
End of Sale	2023-01-13
End of Production	2023-01-16
End of Delivery	2023-02-28
End of Service and Repair	2025-02-28

Environmental Product Compliance

CAS-No.	1303-86-2
	1314-23-4
	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
	Zirconium Oxide
RoHS Exemption	6(c)
	7(a)
	7(c)-I
	7(c)-II
SCIP notification number (Austria)	156d1ced-2ab0-4c26-9cbd-93192d73982e
SCIP notification number (Belgium)	025c8bbc-2a8a-44d3-9b8b-0c26b982a694
SCIP notification number (Bulgaria)	d551665b-6cf4-4adb-87bb-1e1d5a6484ff
SCIP notification number (Czech Republic)	65f52ef3-755b-4a2d-b249-ac058ad30e18

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

SCIP notification number (Denmark)	0f781a92-b226-434a-8813-8877baf36bcb
SCIP notification number (Finland)	9819fc64-b234-498f-9d5f-183465d5c2b1
SCIP notification number (France)	3bf3368e-7170-4dfc-ab33-947b39adaaed
SCIP notification number (Germany)	8c752272-fe3b-40e6-9e58-538f14fda1da
SCIP notification number (Hungary)	8acaafbf-d037-4302-bc52-1bf4128b0591
SCIP notification number (Italy)	e82bd53d-741a-4dd3-91ae-5d69b3b49422
SCIP notification number (Netherlands)	2b38f48b-80b4-49d7-884a-3162e545a091
SCIP notification number (Poland)	c8cecd17-e9fa-43a7-bea1-2ae3f3d1fc50
SCIP notification number (Romania)	da5bf30f-b18b-4917-8b18-ab0ea87c4e14
SCIP notification number (Sweden)	3c8be863-4bf1-403f-b738-46c780666d30

Approvals / Certificates

General approvals

Logo	Approval	Additional Approval Text	Certificate name
	CCC CNEX	CNCA-C23-01	2020312310000214 (Ex ec IIC T4 Gc)
	EAC Brjansker Zertifizierungsstelle	TP TC 020/2011	EAC RU C-DE.AM02. B.00087/19
	IEC DNV GL Netherlands B.V.	IEC 60870-5-104 ed.2 Client	10035055-INC 17-1995
	IEC DNV GL Netherlands B.V.	IEC 60870-5-104 ed.2 Server	10017175-OPE/INC 16-2021
	KC National Radio Research Agency	Article 58-2, Clause 3	MSIP-REM-W43-PFC750
	UL Underwriters Laboratories Inc. (ORDINARY LOCATIONS)	UL 508	E175199 Sec.1

Declarations of conformity and manufacturer's declarations

Logo	Approval	Additional Approval Text	Certificate name
	EU-Declaration of Conformity WAGO GmbH & Co. KG	-	-

Approvals for marine applications

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

Do you have any questions about our products?
We are always happy to take your call at +49 (571) 887-44222.

Logo	Approval	Additional Approval Text	Certificate name
	ABS American Bureau of Shipping	-	22-2208829-PDA
	DNV DNV Germany GmbH	DNV-CG-0339,Aug.2021	TAA00000Y7
	PRS Polski Rejestr Statków	-	TE/2215 /880590/18

Approvals for hazardous areas

Logo	Approval	Additional Approval Text	Certificate name
PTB 0102	**ATEX** TUEV Nord Cert GmbH	EN 60079-0	TUEV 17 ATEX 193969X (II 3 G Ex ec IIC T4 Gc)
	CCC CNEX	CNCA-C23-01	2020312310000214 (Ex ec IIC T4 Gc)
EAC Ex	**EAC** Brjansker Zertifizierungsstelle	TP TC 012/2011	EAC RU C-DE.AM02.B.00163 /19 (2Ex e IIC T4 Gc X)
IECEx	**IECEx** TUEV Nord Cert GmbH	IEC 60079-0	IECEx TUN 16.0046X (Ex ec IIC T4 Gc)
DEKRA 85OS UKEX	**UKEx** WAGO GmbH & Co. KG	EN 60079-0	UKCA_WAGO22UKEX005X_ec
UL	**UL** Underwriters Laboratories Inc. (HAZARDOUS LOCATIONS)	UL 121201	E198726 Sec.1

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

Required accessories

Memory card

Memory card

	Item no.: 758-879/000-001 Memory Card SD; SLC-NAND; 2 GByte; Temperature from -40 to 90 °C	www.wago.com/758-879 /000-001
	Item no.: 758-879/000-2108 Memory Card SD; pSLC-NAND; 8 GB; Temperature range: -40 to 90°C	www.wago.com/758-879 /000-2108

Optional accessories

Carrier rail

Mounting accessories

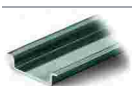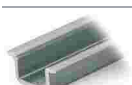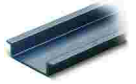|		
	Item no.: 210-197 Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; slotted; similar to EN 60715; silver-colored	www.wago.com/210-197
	Item no.: 210-198 Copper carrier rail; 35 x 15 mm; 2.3 mm thick; 2 m long; unslotted; according to EN 60715; copper-colored	www.wago.com/210-198
	Item no.: 210-504 Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; galvanized; according to EN 60715; silver-colored	www.wago.com/210-504
	Item no.: 210-505 Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; unslotted; galvanized; according to EN 60715; silver-colored	www.wago.com/210-505
	Item no.: 210-506 Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; unslotted; galvanized; similar to EN 60715; silver-colored	www.wago.com/210-506
	Item no.: 210-508 Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; slotted; galvanized; similar to EN 60715; silver-colored	www.wago.com/210-508
	Item no.: 210-113 Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; unslotted; according to EN 60715; silver-colored	www.wago.com/210-113
	Item no.: 210-118 Steel carrier rail; 35 x 15 mm; 2.3 mm thick; 2 m long; unslotted; according to EN 60715; silver-colored	www.wago.com/210-118
	Item no.: 210-112 Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; according to EN 60715; "Hole width 25 mm; silver-colored	www.wago.com/210-112
	Item no.: 210-114 Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; unslotted; similar to EN 60715; silver-colored	www.wago.com/210-114

Item no.: 210-115

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

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Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; according to EN 60715; "Hole width 18 mm; silver-colored   www.wago.com/210-115

Item no.: 210-196

Aluminum carrier rail; 35 x 8.2 mm; 1.6 mm thick; 2 m long; unslotted; similar to EN 60715; silver-colored   www.wago.com/210-196

Marking accessories

Marker carrier

Item no.: 750-103

Group marker carrier   www.wago.com/750-103

Marker

Item no.: 2009-145/000-006

Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; blue   www.wago.com/2009-145 /000-006

Item no.: 2009-145

Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white   www.wago.com/2009-145

Item no.: 2009-145/000-002

Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; yellow   www.wago.com/2009-145 /000-002

Item no.: 2009-145/000-007

Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; gray   www.wago.com/2009-145 /000-007

Item no.: 2009-145/000-005

Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; red   www.wago.com/2009-145 /000-005

Item no.: 2009-145/000-012

Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; orange   www.wago.com/2009-145 /000-012

Item no.: 2009-145/000-023

Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; green   www.wago.com/2009-145 /000-023

Item no.: 2009-145/000-024

Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; violet   www.wago.com/2009-145 /000-024

Item no.: 248-501/000-006

Mini-WSB marking card; as card; not stretchable; plain; snap-on type; blue   www.wago.com/248-501 /000-006

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

	Item no.: 248-501/000-007 Mini-WSB marking card; as card; not stretchable; plain; snap-on type; gray	www.wago.com/248-501 /000-007
	Item no.: 248-501/000-002 Mini-WSB marking card; as card; not stretchable; plain; snap-on type; yellow	www.wago.com/248-501 /000-002
	Item no.: 248-501/000-012 Mini-WSB marking card; as card; not stretchable; plain; snap-on type; orange	www.wago.com/248-501 /000-012
	Item no.: 248-501 Mini-WSB marking card; as card; not stretchable; plain; snap-on type; white	www.wago.com/248-501
	Item no.: 248-501/000-017 Mini-WSB marking card; as card; not stretchable; plain; snap-on type; light green	www.wago.com/248-501 /000-017
	Item no.: 248-501/000-005 Mini-WSB marking card; as card; not stretchable; plain; snap-on type; red	www.wago.com/248-501 /000-005
	Item no.: 248-501/000-024 Mini-WSB marking card; as card; not stretchable; plain; snap-on type; violet	www.wago.com/248-501 /000-024
	Item no.: 248-501/000-023 Mini-WSB marking card; as card; not stretchable; plain; snap-on type; green	www.wago.com/248-501 /000-023

Group marker carrier

	Item no.: 750-107 Group marker carrier	www.wago.com/750-107

Software

Basic version

	Item no.: 759-333 WAGO-I/O-PRO	www.wago.com/759-333
	Item no.: 759-333/000-923 WAGO-I/O-PRO; USB-Set	www.wago.com/759-333 /000-923
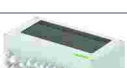
System housing

System enclosure

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

Item no.: 850-814/002-000
IP65 enclosure; Sheet steel (RAL 7035); WxHxD (200x120x200 mm); without flange plate

www.wago.com/850-814/002-000

Item no.: 850-815/002-000
IP65 enclosure; Sheet steel (RAL 7035); WxHxD (300x120x200 mm); without flange plate

www.wago.com/850-815/002-000

Item no.: 850-816/002-000
IP65 enclosure; Sheet steel (RAL 7035); WxHxD (400x120x200 mm); without flange plate

www.wago.com/850-816/002-000

Item no.: 850-817/002-000
IP65 enclosure; Sheet steel (RAL 7035); WxHxD (600x120x200 mm); without flange plate

www.wago.com/850-817/002-000

Item no.: 850-825
IP65 enclosure; Aluminium (RAL 7032); WxHxD (160x100x160 mm); 9 x M12, 4 x M20

www.wago.com/850-825

Item no.: 850-826
IP65 enclosure; Aluminium (RAL 7032); WxHxD (240x100x160 mm); 4 x M20, 4 x M16, 14 x M12 cable grip

www.wago.com/850-826

Item no.: 850-827
IP65 enclosure; Aluminium (RAL 7032); WxHxD (320x100x160 mm); 4 x M20, 8 x M16, 17 x M12 cable grip

www.wago.com/850-827

Item no.: 850-827/002-000
IP65 enclosure; Aluminium (RAL 7035); WxHxD (320x100x160 mm); 4 x M20, 8 x M16, 17 x M12 cable grip

www.wago.com/850-827/002-000

Item no.: 850-826/002-000
IP65 enclosure; Aluminium (RAL 7035); WxHxD (240x100x160 mm); 4 x M20, 4 x M16, 14 x M12 cable grip

www.wago.com/850-826/002-000

Item no.: 850-828/002-000
IP65 enclosure; Aluminium (RAL 7035); WxHxD (480x100x160 mm); 4 x M20, 10 x M16, 35 x M12 cable grip

www.wago.com/850-828/002-000

Item no.: 850-828
IP65 enclosure; Aluminium (RAL 7032); WxHxD (480x100x160 mm); 4 x M20, 10 x M16, 35 x M12 cable grip

www.wago.com/850-828

Item no.: 850-834
IP65 enclosure; Polyester (RAL 7032); WxHxD (164x100x164 mm); 9 x M12, 4 x M20

www.wago.com/850-834

Item no.: 850-835
IP65 enclosure; Polyester (RAL 7032); WxHxD (244x100x164 mm); 4 x M20, 4 x M16, 14 x M12 cable grip

www.wago.com/850-835

Item no.: 850-836
IP65 enclosure; Polyester (RAL 7032); WxHxD (324x100x164 mm); 4 x M20, 8 x M16, 17 x M12 cable grip

www.wago.com/850-836

Communication

Communication cable

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

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	Item no.: 750-923 Configuration cable; USB connector; Length: 2.5 m	www.wago.com/750-923
	Item no.: 750-923/000-001 Configuration cable; USB connector; Length: 5 m	www.wago.com/750-923 /000-001

Shield termination

Shield clamping saddles

	Item no.: 790-116 Shield clamping saddle; 19 mm wide; diameter of compatible conductor; 7 … 16 mm	www.wago.com/790-116
	Item no.: 790-124 Shield clamping saddle; 27 mm wide; diameter of compatible conductor; 6 … 24 mm	www.wago.com/790-124
	Item no.: 790-108 Shield clamping saddle; 11 mm wide; diameter of compatible conductor; 3 … 8 mm	www.wago.com/790-108
	Item no.: 790-140 Shield clamping saddle; diameter of compatible conductor	www.wago.com/790-140
	Item no.: 790-216 Shield clamping saddle; 21.8 mm wide; 6 … 16 mm	www.wago.com/790-216
	Item no.: 790-220 Shield clamping saddle; 30 mm wide; 6 … 20 mm	www.wago.com/790-220
	Item no.: 790-208 Shield clamping saddle; 12.4 mm wide; 3 … 8 mm	www.wago.com/790-208

Cables and pluggable connectors

Connector plug

	Item no.: 750-963 Fieldbus Connector CANopen; with D-sub female connector; 9-pole	www.wago.com/750-963
	Item no.: 750-960 Fieldbus Connector PROFIBUS; with D-sub male connector; 9-pole	www.wago.com/750-960
	Item no.: 750-975 ETHERNET RJ-45 connector, IP20; ETHERNET 10/100 Mbit/s; for field assembly	www.wago.com/750-975
	Item no.: 750-978/000-012 Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568B; AWG 22; Strain relief	www.wago.com/750-978 /000-012
	Item no.: 750-979/000-012 Connector ETHERNET; RJ-45; Cat. 6A; angled; Code T568B; AWG 22; Strain relief	www.wago.com/750-979 /000-012

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	Item no.: 750-978/000-021	www.wago.com/750-978
	Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568A; AWG 24; Strain relief	/000-021
	Item no.: 750-979/000-022	www.wago.com/750-979
	Connector ETHERNET; RJ-45; Cat. 6A; angled; Code T568B; AWG 24; Strain relief	/000-022
	Item no.: 750-978/000-022	www.wago.com/750-978
	Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568B; AWG 24; Strain relief	/000-022
	Item no.: 750-979/000-011	www.wago.com/750-979
	Connector ETHERNET; RJ-45; Cat. 6A; angled; Code T568A; AWG 22; Strain relief	/000-011
	Item no.: 750-979/000-021	www.wago.com/750-979
	Connector ETHERNET; RJ-45; Cat. 6A; angled; Code T568A; AWG 24; Strain relief	/000-021
	Item no.: 750-977/000-011	www.wago.com/750-977
	Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568A; AWG 22	/000-011
	Item no.: 750-978/000-011	www.wago.com/750-978
	Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568A; AWG 22; Strain relief	/000-011
	Item no.: 750-977/000-022	www.wago.com/750-977
	Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568B; AWG 24	/000-022
	Item no.: 750-977/000-012	www.wago.com/750-977
	Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568B; AWG 22	/000-012
	Item no.: 750-977/000-021	www.wago.com/750-977
	Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568A; AWG 24	/000-021

Downloads
Documentation

Manual

Product Manual Configure IEC 61850	V 1.3.0	pdf	Download
with Telecontrol Configurator and e!COCKPIT	2022 Sep 14	6.8 MB	
Product Manual Configure IEC 60870	V 1.2.0	pdf	Download
with Telecontrol Configurator and e!COCKPIT	2022 Jul 22	9.0 MB	

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Product Manual Configure DNP3 with Telecontrol Configurator and e!COCKPIT	V 1.2.0 2022 Jul 22	pdf 7.4 MB	Download
Product Manual PFC200 CS 2ETH RS CAN DPS Telecontrol /XTT PLC - PFC200 Controller Telecontrol /XTR	V 1.2.0 2020 Jun 3	pdf 8.1 MB	Download
Product Manual WAGO IEC 61850 Solution for programmable Controls of Telecontrol Technology	V 1.8.0	pdf 19.7 MB	Download
Product Manual WAGO DNP3 Solution for programmable Controls of Telecontrol Technology	V 1.5.1	pdf 5.2 MB	Download
Product Manual WAGO IEC 60870 Solution for programmable Controls of Telecontrol Technology	V 1.8.0	pdf 6.0 MB	Download

Bid Text

750-8206/040-001 X81 - Datei	2019 Feb 19	xml 10.5 kB	Download
750-8206/040-001 doc - Datei	2016 Jan 6	doc 43.5 kB	Download

Instruction Leaflet

CCC Ex (Additional information) WAGO-I/O-SYSTEM *750-****/**40-****	2023 Apr 26	pdf 148.1 kB	Download

Tutorial

Set IP address with Ethernet Settings In this video we are demonstrating how you can set a IP address with Ethernet Settings. Content: 00:27 – Chapter #1 Download and install software; 00:56 – Chapter #2 Open Ethernet Settings; 01:10 – Chapter #3 Establish serial Connection; 01:34 – Chapter #4 Set IP address; 02:10 – Chapter #5 Check IP address	3.0 2017 Dec 18	mp4 88.3 MB	Download
Establish connection to a controller using SSH In this video we are demonstrating how to establish a SSH connec-tion with a controller using for example PuTTY to be able to work with the LINUX console. Contents: 0:21 Download and install the SSH client; 0:40 Establish the SSH connection; 0:50 Log on to the Controller	1.0 2017 Aug 5	mp4 29.0 MB	Download

System Description

System Manual XTR	V 2.0.0 2022 Sep 14	pdf 8.0 MB	Download

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Basic conditions and recommendations for higher operational safety

Additional Information

Disposal and Recycling	V 1.1.0	pdf	Download
Electrical and electronic equipment, Batteries, Packaging	2022 Aug 18	2.2 MB	
WAGO OPC UA Server	V 1.1.0	pdf	Download
	2021 Jan 28	1.2 MB	

Application Notes

Application Note e!COCKPIT

e!COCKPIT application note WagoAppCloud	2022-11-04	zip	Download
This application note explains how the WAGO controllers PFC100 and PFC200 can communicate with cloud services like Microsoft Azure (WAGO Cloud), Amazon AWS and IBM Bluemix. Data could be send to the cloud and commands could receive from the cloud. The library WagoAppCloud for e!COCKPIT is used.	2022 Nov 4	2.7 MB	
SNMP Communication (a500850)	1.1.0	zip	Download
This application note explains how the WAGO controllers PFC100 andPFC200 can communicate via SNMP: Sending traps / inform notifications, creating an MIB and using the controller as an SNMP agent. To do so, the SNMP-specific libraries for WAGO-I/O-PRO V2.3 and e!COCKPIT are used.	2020 Feb 20	3.8 MB	
eCOCKPIT application note installation MySQL-Server	1.0.3	pdf	Download
This Application Note explains how a MySQL-Server can be set up and used on a PFC 200. The Application shows how measurement values of the 3-Phase Power Measurement Module can be written into a database.	2019 Sep 9	1.9 MB	
HART Tool Routing via ETHERNET with 750-820x and e!RUNTIME (a116130)	1.0.0	pdf	Download
This application note describes how to set up asset management systems, which facilitate simple, efficient configuration of HART field devices. With the Cerabar PMC51 (Endress+Hauser) as an example, a connection is established from any HART sensor to a WAGO PROFIBUS Controller and a WAGO ETHERNET fieldbus coupler. The configuration is made with the asset management software WAGOframe, PACTware und FieldCare.	2019 Mar 22	2.9 MB	

Application Note CoDeSys 2.3

Application note Cloud Connectivity	2019-09-17	zip	Download
This application note explains how the WAGO controllers PFC100 and PFC200 can communicate with cloud services like Microsoft Azure (WAGO Cloud), Amazon AWS	2019 Sep 17	4.1 MB	

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and IBM Bluemix. Data could be send to the cloud and commands could receive from the cloud. The libraries WagoLibCloud for WAGO-I/O-PRO V2.3 and WagoAppCloud for e!COCKPIT are used.

Application note for installing a MySQL-Server on a PFC-Controller This Application Note explains how a MySQL-Server can be set up and used on a PFC 200. The Application shows how measurement values of the 3-Phase Power Measurement Module can be written into a database.	1.0.4 2019 May 16	zip 4.5 MB	Download
HART Tool Routing via ETHERNET with 750-820x/750-88x and CODESYS 2.3 (a116120) This application note describes how to set up asset management systems, which facilitate simple, efficient configuration of HART field devices. With the Cerabar PMC51 (Endress+Hauser) as an example, a connection is established from any HART sensor to a WAGO PROFIBUS Controller and a WAGO ETHERNET Fieldbus Coupler. The configuration is made with the asset management software WAGOframe, PACTware und FieldCare.	1.0.0 2019 Mar 22	pdf 3.9 MB	Download
Using the web visualization with Java™ runtime environment (JRE, JVM) 7 update 51 (7u51) (a500690) Oracle announced an update (7u51) for their Java™ runtime environment for the 14th of January 2014 which might have an impact on the use of the WAGO web visualization with Controller, PERSPECTO CP devices and WAGO-IO-IPCs. For more details please have a look into our application note.	1.2.4 2019 Feb 26	zip 5.0 MB	Download

Libraries

WAGOAppRTU_Slaves Library

WAGOAppRTU_Slaves Library Library for the IEC-60870 connection of customer systems in the German electricity network area of the network operators E.ON, Westnetz, EWE and Netz BW; the number and power of the generating plants (EZA) is increasing. In order to ensure network stability, distribution system operators require that customer facilities become controllable and switchable. This means considerable programming effort for corresponding interfaces in the network connection point (NAP). For system integrators who use WAGO telecontrol technology, however, this work is not necessary, because with the library WAGOAppRTU_Slaves they can use ready-made communication libraries - as a free download for the network areas of the E.ON and EWE, networks BW and for Westnetz.	1.9.0.0 2023 Jan 18	ZIP 2.1 MB	Download

Library

Library WagoLibCloud_02.lib Die Bibliothek dient zur Kommunikation des WAGO Controller PFC100 und PFC200 mit Cloud Diensten wie Microsoft Azure (WAGO Cloud), Amazon AWS und IBM Bluemix. Daten können zur Cloud gesendet und Kommandos von der Cloud empfangen werden.	2.2.4 2020 Jan 21	zip 57.6 kB	Download

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Engineering-Software

e!COCKPIT

e!COCKPIT	1.11.2.0	zip	Download
Register at no cost and test our engineering software for 30 days.	2023 Apr 24	4.1 GB	

WAGO Telecontrol Configurator

WAGO Telecontrol Configurator	1.2.31.0	ZIP	Download
	2021 Dec 16	111.2 MB	

The WAGO Telecontrol Configurator is an stand-alone software for easy configuration and commissioning of WAGO controllers for telecontrol technology.

Without the help of additional software, this configurator can be used alone to configure communication between WAGO-I/O-SYSTEM controllers and a DNP3 and IEC 60870-5-101/104 control system. Data from digital and analog input modules, as well as the 3-phase power measurement modules can be sent to the control system. The control system can send commands and setpoints to the digital and analog output modules. The telecontrol configurator cannot further process the data in the decentralized controller. WAGO provides the *e!COCKPIT* automation software for programming a decentralized automation task. The telecontrol configurators for DNP3 and IEC 60870-5-101/104 are integrated in the same way in *e!COCKPIT*.

Desktop Application

WAGOupload		URL	Download
WAGOupload is a stand-alone PC software for transferring, backing up and restoring PLC applications on WAGO 750 Series controllers.			

Configuration and Commissioning Software

(759-316) WAGO Ethernet Settings / Serie 750	06.18.01.01	zip	Download
	2023 Feb 28	27.3 MB	

Runtime Software

GitHub: Linux® Toolchain

GitHub: Linux® Software Development Kit (SDK)		URL	Download

With the PFC SDK, WAGO offers Linux® enthusiasts the opportunity to compile the PFC firmware themselves, and to expand it according to their own wishes.

The WAGO PFC SDK includes a Pengutronix build environment, optimized for the PFC, and the OSELAS Toolchain, which open up the following possibilities, among others:

- Expanding the firmware functions using open source packages like: Python, SQLite3, PHP, etc.
- Compiling their own C/C++ applications with direct or indirect bus access to the local bus, CANopen, or PROFIBUS.
- Compiling external libraries using CODESYS V2 to expand the PLC applications.

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- There are detailed instructions for many of these tasks and ideas (see WAGO GitHub HowTo's).

Firmware

Image Update (SD Karte) PFC100/200 WAGO_FW0750-8xxx_V031010_IX22_SP1_I	V 22 SP1 2022 Dec 12	zip 210.8 MB	Download
WUP Update (WAGOuploadTool) PFC100/200 WAGO_FW0750-8xxx_V031010_IX22_SP1_W	V 22 SP1 2022 Dec 12	zip 208.5 MB	Download

IoT/ Cloud

"Remote Access" Beta Software

"Remote Access" Beta Software Register for the beta version of "Remote Access" for the WAGO Cloud.	V 0.12.0.0 2020 Dec 6	ZIP 2.1 MB	Download

CAD/CAE-Data

CAE data

EPLAN Data Portal 750-8206/040-001	URL	Download
WSCAD Universe 750-8206/040-001	URL	Download
EPLAN Data Portal 750-8206/040-001	URL	Download
WSCAD Universe 750-8206/040-001	URL	Download
ZUKEN Portal 750-8206/040-001	URL	Download

CAD data

2D/3D Models 750-8206/040-001	URL	Download

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 750-8206/040-001	URL	Download

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

Installation Notes

Product family

Controller 750
Show all products from the family

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