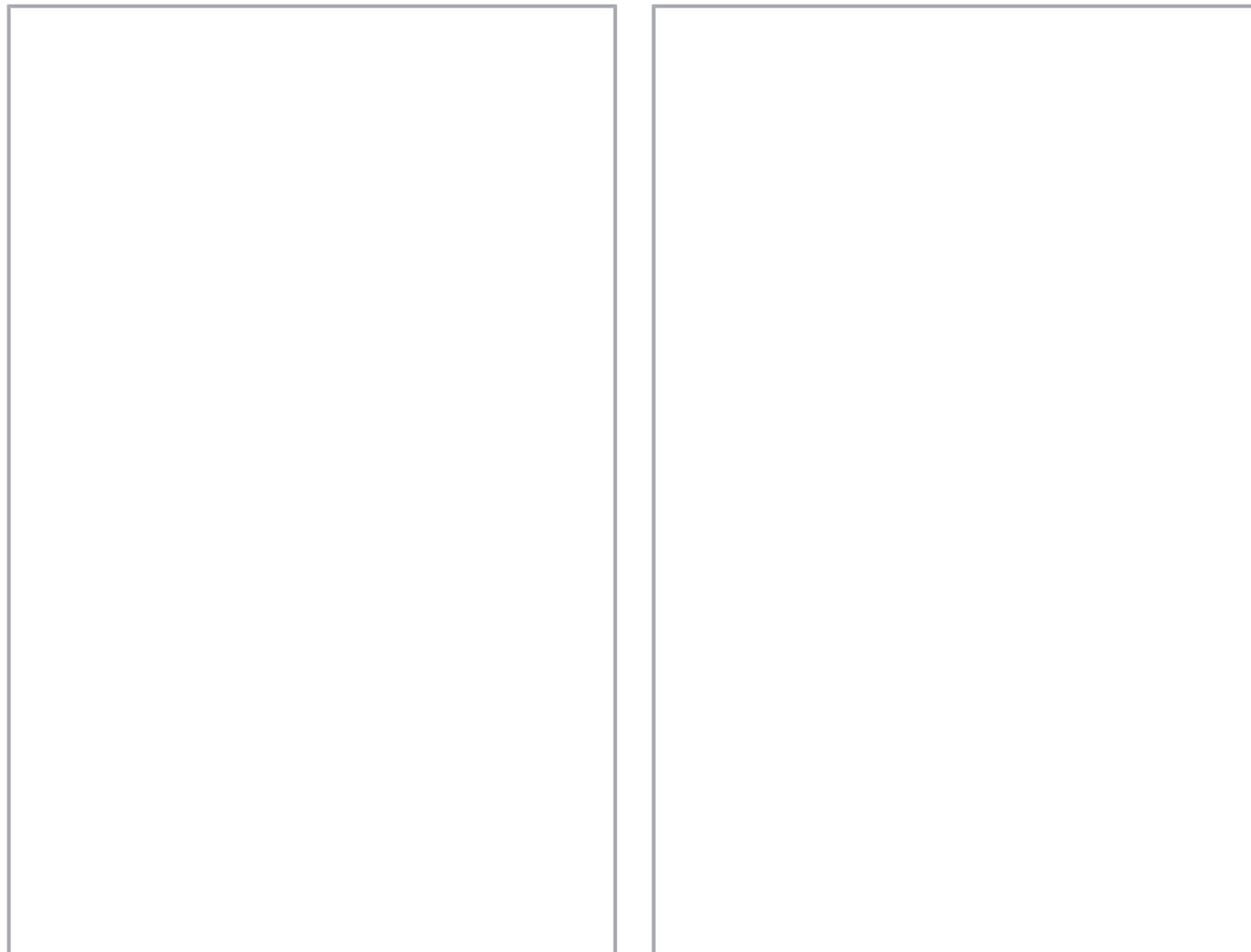


Data sheet | Item number: 750-8212/040-001 **NEW**

Controller PFC200; 2nd Generation; 2 x ETHERNET, RS-232/-485;

Telecontrol technology; Extreme

[www.wago.com/750-8212\\_040-001](http://www.wago.com/750-8212_040-001)



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

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WAGO Corporation

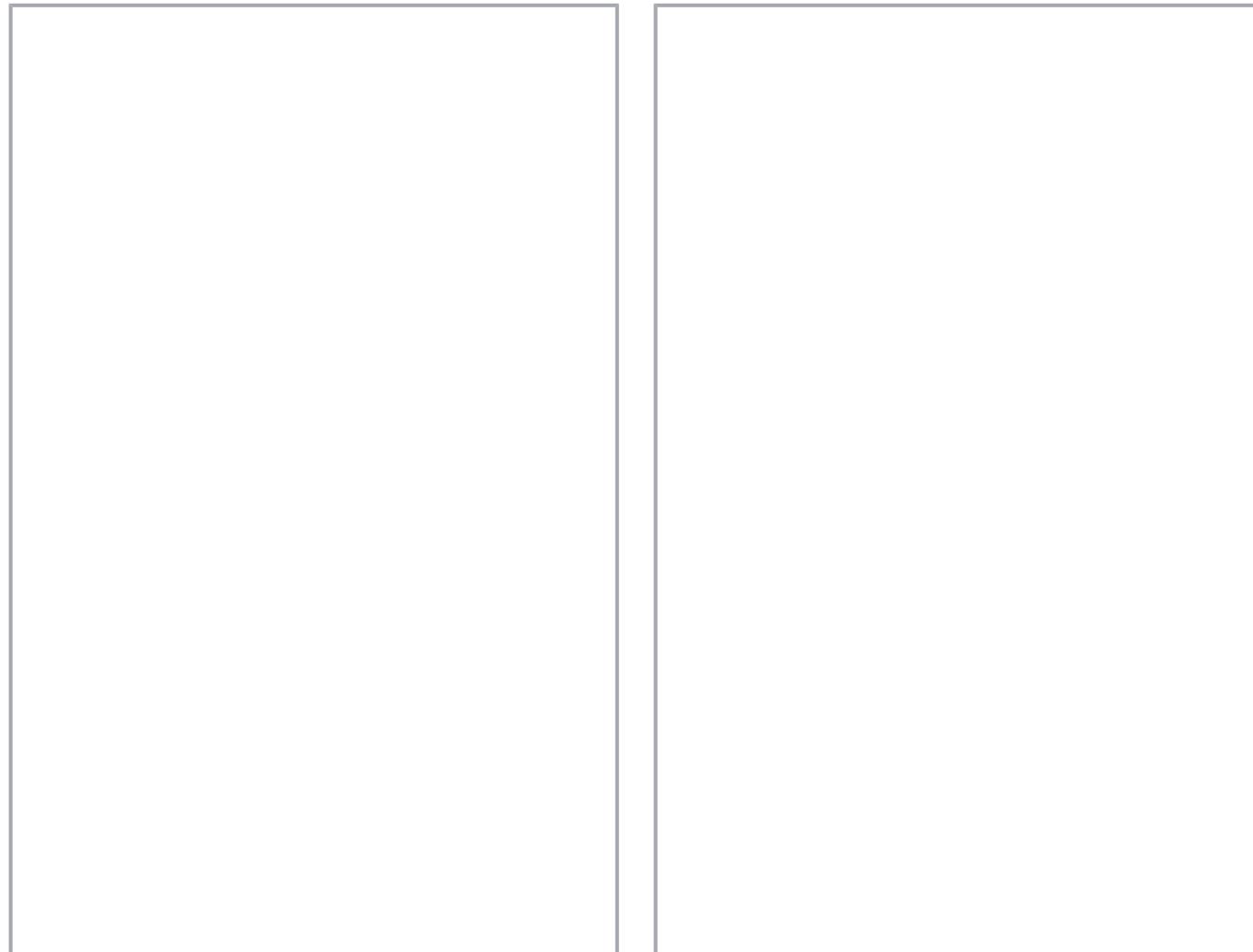
Germantown, WI 53022

Phone: 1-800-DIN-RAIL (346-7245) | Fax: (262) 255-6222

Email: [info.us@wago.com](mailto:info.us@wago.com) | Web: [www.wago.us](http://www.wago.us)

Do you have any questions about our products?

We are always happy to take your call at +49 (571) 887-44222.



### 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.

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).

#### Your Benefits:

- 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

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

- 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 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                         | Modbus (TCP, UDP)<br>ETHERNET<br><br>EtherNet/IP™ Adapter (slave), library for <i>e!RUNTIME</i><br>Modbus® RTU<br>RS-232 serial interface<br>RS-485 interface<br>MQTT<br>EtherCAT® master (requires an additional license)<br>BACnet/IP, requires an additional license<br>Telecontrol protocols |
| ETHERNET protocols                    | DHCP<br>DNS<br>NTP<br>FTP<br>FTPS<br>SNMP<br>HTTP<br>HTTPS<br>SSH  |
| Telecontrol protocols                 | IEC 60870-5-101/-103/-104<br>IEC 61400-25<br>IEC 61850-7<br>DNP3   |
| 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)<br>Ladder Diagram (LD)<br>Function Block Diagram (FBD), Continuous Function Chart (CFC)  |

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

|  |   |
|--|---|
|  | Structured Text (ST)<br>Sequential Function Chart (SFC)   |
| Programming environment                        | e!COCKPIT (based on CODESYS V3)<br>WAGO-I/O-PRO V2.3 (based on CODESYS V2.3)  |
| Configuration options                          | e!COCKPIT<br>WAGO-I/O-CHECK<br>Web-Based Management<br>e!RUNTIME Library<br>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 Kbytes  |
| Program memory                                 | CODESYS V2: 16 MB; e!RUNTIME: 32 MB   |
| Data memory                                    | CODESYS V2: 64 MB; e!RUNTIME: 128 MB  |
| 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 Worte/1000 Worte   |
| Input and output process image (Modbus®) max.  | CODESYS V2: 1000 Worte/1000 Worte; e!RUNTIME: 32000 Worte /32000 Worte  |
| 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, B) green: Status of system power supply, field supply  |
| Derating                                       | 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) |
| 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  |
| Total current (system supply)                  | 1,700 mA  |
| Supply voltage (field)                         | 24 VDC; Power supply via pluggable connector (CAGE CLAMP® connection); Transmission via power jumper contacts; Derating must be observed!   |

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

|   |      |
|---|------|
| Current carrying capacity (power jumper contacts) | 10 A |
| Number of outgoing power jumper contacts          | 2    |
| Rated surge voltage                               | 1 kV |

## Connection data

|   |   |
|---|---|
| Connection technology: communication/fieldbus | 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 inch   |
| Connection technology: device configuration   | 1 x Male connector; 4-pole  |

## Physical data

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

## Mechanical data

|                    |                              |
|--------------------|------------------------------|
| Weight             | 213.6 g                      |
| Color              | dark gray                    |
| Housing material   | Polycarbonate; polyamide 6.6 |
| Conformity marking | CE                           |

## Environmental requirements

|                                       |  |
|---------------------------------------|--|
| Ambient temperature (operation)       | -40 ... +70 °C   |
| Surrounding air temperature (storage) | -40 ... +85 °C   |
| Protection type                       | IP20   |
| Pollution degree (5)                  | 2 per IEC 61131-2  |
| Operating altitude                    | Without temperature derating: 0 ... 2000 m; with temperature |

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

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   | 0.383 MJ   |
| Permissible pollutant concentration H <sub>2</sub> S at a relative humidity < 75% | 10 ppm   |
| Permissible pollutant concentration SO <sub>2</sub> at a relative humidity < 75%  | 25 ppm   |

## Commercial data

|                                     |               |
|-------------------------------------|---------------|
| PU (SPU)                            | 1 Pieces      |
| Country of origin VKOrg Germany     | DE            |
| GTIN                                | 4066966208320 |
| Customs tariff number VKOrg Germany | 85371091990   |

## Approvals / Certificates

### Ex-Approvals

| Logo   | Approval   | Additional Approval Text | Certificate name |
|--|--|--------------------------|------------------|
|  | UL<br>Underwriters Laboratories Inc. (HAZARDOUS LOCATIONS) | UL 121201                | E198726<br>Sec.1 |

### Ship Approvals

| Logo | Approval | Additional Approval Text | Certificate name |
|------|----------|--------------------------|------------------|
|      |          |                          |                  |

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

**DNV**  
DNV Germany GmbH

DNV-CG-0339,Aug.2021

TAA00000Y7

**UL-Approvals**

| Logo   | Approval  | Additional Approval Text | Certificate name |
|--|---|--------------------------|------------------|
|  | UL<br>Underwriters Laboratories Inc. (ORDINARY LOCATIONS) | UL 61010-2-201           | E175199          |

**Optional accessories****Shield termination**

|  |   |  |
|--|---|--|
| Shield clamping saddles  | <b>Item no.: 790-216</b><br>Shield clamping saddle; 21.8 mm wide; 6–16 mm diameter conductors | <a href="http://www.wago.com/790-216">www.wago.com/790-216</a> |
|  | <b>Item no.: 790-220</b><br>Shield clamping saddle; 30 mm wide; 6–20 mm diameter              | <a href="http://www.wago.com/790-220">www.wago.com/790-220</a> |
|  | <b>Item no.: 790-208</b><br>Shield clamping saddle; 12.4 mm wide; 3–8 mm diameter conductors  | <a href="http://www.wago.com/790-208">www.wago.com/790-208</a> |
| Shield   |   |  |
|  | <b>Item no.: 790-116</b><br>Shield clamping saddle; 19 mm wide; 7–16 mm diameter conductors   | <a href="http://www.wago.com/790-116">www.wago.com/790-116</a> |
|  | <b>Item no.: 790-124</b><br>Shield clamping saddle; 27 mm wide; 6–24 mm diameter conductors   | <a href="http://www.wago.com/790-124">www.wago.com/790-124</a> |
|  | <b>Item no.: 790-108</b><br>Shield clamping saddle; 11 mm wide; 0–8 mm diameter conductors    | <a href="http://www.wago.com/790-108">www.wago.com/790-108</a> |
|  | <b>Item no.: 790-140</b><br>Shield clamping saddle; 43 mm wide; 22–40 mm diameter conductors  | <a href="http://www.wago.com/790-140">www.wago.com/790-140</a> |

**Carrier rail**

|                      |   |  |
|----------------------|---|--|
| Mounting accessories | <b>Item no.: 210-197</b><br>Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; slotted; similar to EN 60715; silver-colored              | <a href="http://www.wago.com/210-197">www.wago.com/210-197</a> |
|                      | <b>Item no.: 210-198</b><br>Copper carrier rail; 35 x 15 mm; 2.3 mm thick; 2 m long; unslotted; according to EN 60715; copper-colored         | <a href="http://www.wago.com/210-198">www.wago.com/210-198</a> |
|                      | <b>Item no.: 210-504</b><br>Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; galvanized; according to EN 60715; silver-colored | <a href="http://www.wago.com/210-504">www.wago.com/210-504</a> |

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

|  |  |  |
|--|--|--|
|    | <b>Item no.: 210-505</b><br>Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; unslotted; galvanized; according to EN 60715; silver-colored      | <a href="http://www.wago.com/210-505">www.wago.com/210-505</a> |
|    | <b>Item no.: 210-506</b><br>Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; unslotted; galvanized; similar to EN 60715; silver-colored       | <a href="http://www.wago.com/210-506">www.wago.com/210-506</a> |
|    | <b>Item no.: 210-508</b><br>Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; slotted; galvanized; similar to EN 60715; silver-colored         | <a href="http://www.wago.com/210-508">www.wago.com/210-508</a> |
|    | <b>Item no.: 210-113</b><br>Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; unslotted; according to EN 60715; silver-colored                  | <a href="http://www.wago.com/210-113">www.wago.com/210-113</a> |
|    | <b>Item no.: 210-118</b><br>Steel carrier rail; 35 x 15 mm; 2.3 mm thick; 2 m long; unslotted; according to EN 60715; silver-colored                 | <a href="http://www.wago.com/210-118">www.wago.com/210-118</a> |
|    | <b>Item no.: 210-112</b><br>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 | <a href="http://www.wago.com/210-112">www.wago.com/210-112</a> |
|    | <b>Item no.: 210-114</b><br>Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; unslotted; similar to EN 60715; silver-colored                   | <a href="http://www.wago.com/210-114">www.wago.com/210-114</a> |
|   | <b>Item no.: 210-115</b><br>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 | <a href="http://www.wago.com/210-115">www.wago.com/210-115</a> |
|  | <b>Item no.: 210-196</b><br>Aluminum carrier rail; 35 x 8.2 mm; 1.6 mm thick; 2 m long; unslotted; similar to EN 60715; silver-colored               | <a href="http://www.wago.com/210-196">www.wago.com/210-196</a> |

**Marking accessories**

## Accessories

|  |  |
|--|--|
| <b>Item no.: 750-103</b><br>Group marker carrier | <a href="http://www.wago.com/750-103">www.wago.com/750-103</a> |
| <b>Item no.: 750-107</b><br>Group marker carrier | <a href="http://www.wago.com/750-107">www.wago.com/750-107</a> |

## Marker

|   |  |
|---|--|
| <b>Item no.: 2009-145/000-006</b><br>Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; blue   | <a href="http://www.wago.com/2009-145/000-006">www.wago.com/2009-145/000-006</a> |
| <b>Item no.: 2009-145</b><br>Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white          | <a href="http://www.wago.com/2009-145">www.wago.com/2009-145</a>                 |
| <b>Item no.: 2009-145/000-002</b><br>Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; yellow | <a href="http://www.wago.com/2009-145/000-002">www.wago.com/2009-145/000-002</a> |

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

**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](http://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](http://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](http://www.wago.com/2009-145/000-012)

**Item no.: 2009-145/000-023**

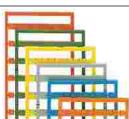
Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; green [www.wago.com/2009-145/000-023](http://www.wago.com/2009-145/000-023)

**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](http://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](http://www.wago.com/248-501/000-006)

**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](http://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](http://www.wago.com/248-501/000-002)

**Item no.: 248-501/000-012**

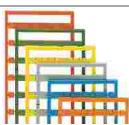
Mini-WSB marking card; as card; not stretchable; plain; snap-on type; orange [www.wago.com/248-501/000-012](http://www.wago.com/248-501/000-012)

**Item no.: 248-501**

Mini-WSB marking card; as card; not stretchable; plain; snap-on type; white [www.wago.com/248-501](http://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](http://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](http://www.wago.com/248-501/000-005)

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

**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](http://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](http://www.wago.com/248-501/000-023)**Software**

Basic version

**Item no.: 759-333**

WAGO-I/O-PRO

[www.wago.com/759-333](http://www.wago.com/759-333)**System housing**

Enclosures

**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](http://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](http://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](http://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](http://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](http://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](http://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](http://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](http://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](http://www.wago.com/850-826/002-000)

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

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



**Item no.: 850-828** [www.wago.com/850-828](http://www.wago.com/850-828)  
 IP65 enclosure; Aluminium (RAL 7032); WxHxD (480x100x160 mm); 4 x M20, 10 x M16, 35 x M12 cable grip

**Item no.: 850-834** [www.wago.com/850-834](http://www.wago.com/850-834)  
 IP65 enclosure; Polyester (RAL 7032); WxHxD (164x100x164 mm); 9 x M12, 4 x M20

**Item no.: 850-835** [www.wago.com/850-835](http://www.wago.com/850-835)  
 IP65 enclosure; Polyester (RAL 7032); WxHxD (244x100x164 mm); 4 x M20, 4 x M16, 14 x M12 cable grip

**Item no.: 850-836** [www.wago.com/850-836](http://www.wago.com/850-836)  
 IP65 enclosure; Polyester (RAL 7032); WxHxD (324x100x164 mm); 4 x M20, 8 x M16, 17 x M12 cable grip

#### Memory card

Memory card

**Item no.: 758-879/000-001** [www.wago.com/758-879/000-001](http://www.wago.com/758-879/000-001)  
 Memory Card SD; SLC-NAND; 2 GByte; Temperature from -40 to 90 °C



**Item no.: 758-879/000-2108** [www.wago.com/758-879/000-2108](http://www.wago.com/758-879/000-2108)  
 Memory Card SD; pSLC-NAND; 8 GB; Temperature range: -40 to 90°C

#### Cables and pluggable connectors

Accessories

**Item no.: 750-975** [www.wago.com/750-975](http://www.wago.com/750-975)  
 RJ-45 connector; IP20; ETHERNET 10/100 Mbit/s

**Item no.: 750-978/000-012** [www.wago.com/750-978/000-012](http://www.wago.com/750-978/000-012)  
 Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568B; AWG 22; Strain relief

**Item no.: 750-979/000-012** [www.wago.com/750-979/000-012](http://www.wago.com/750-979/000-012)  
 Connector ETHERNET; RJ-45; Cat. 6A; angled; Code T568B; AWG 22; Strain relief

**Item no.: 750-978/000-021** [www.wago.com/750-978/000-021](http://www.wago.com/750-978/000-021)  
 Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568A; AWG 24; Strain relief

**Item no.: 750-979/000-022** [www.wago.com/750-979/000-022](http://www.wago.com/750-979/000-022)  
 Connector ETHERNET; RJ-45; Cat. 6A; angled; Code T568B; AWG 24; Strain relief

**Item no.: 750-978/000-022** [www.wago.com/750-978/000-022](http://www.wago.com/750-978/000-022)  
 Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568B; AWG 24; Strain relief

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

**Item no.: 750-979/000-011**  
Connector ETHERNET; RJ-45; Cat. 6A; angled; Code T568A; AWG 22; Strain relief [www.wago.com/750-979/000-011](http://www.wago.com/750-979/000-011)

**Item no.: 750-979/000-021**  
Connector ETHERNET; RJ-45; Cat. 6A; angled; Code T568A; AWG 24; Strain relief [www.wago.com/750-979/000-021](http://www.wago.com/750-979/000-021)

**Item no.: 750-977/000-011**  
Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568A; AWG 22 [www.wago.com/750-977/000-011](http://www.wago.com/750-977/000-011)

**Item no.: 750-978/000-011**  
Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568A; AWG 22; Strain relief [www.wago.com/750-978/000-011](http://www.wago.com/750-978/000-011)

**Item no.: 750-977/000-022**  
Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568B; AWG 24 [www.wago.com/750-977/000-022](http://www.wago.com/750-977/000-022)

**Item no.: 750-977/000-012**  
Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568B; AWG 22 [www.wago.com/750-977/000-012](http://www.wago.com/750-977/000-012)

**Item no.: 750-977/000-021**  
Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568A; AWG 24 [www.wago.com/750-977/000-021](http://www.wago.com/750-977/000-021)

## Communication

### Accessories

**Item no.: 750-923**  
Configuration cable; USB connector; Length: 2.5 m [www.wago.com/750-923](http://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](http://www.wago.com/750-923/000-001)

### Wireless devices

**Item no.: 750-921**  
Bluetooth® Adapter [www.wago.com/750-921](http://www.wago.com/750-921)

## Downloads

### Documentation

#### Manual

|   |                        |               |          |
|---|------------------------|---------------|----------|
| Controller PFC200; 2nd Generation; 2 x ETHERNET, RS-232/-485<br>Extreme | V 1.0.0<br>2022 Feb 23 | pdf<br>8.0 MB | Download |
|---|------------------------|---------------|----------|

### Bid Text

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|                                  |                 |          |
|----------------------------------|-----------------|----------|
| 750-8212/040-001<br>docx - Datei | docx<br>36.5 kB | Download |
| 750-8212/040-001<br>X81 - Datei  | xml<br>11.8 kB  | Download |

## Application Notes

### Application Note e!COCKPIT

|   |       |     |          |
|---|-------|-----|----------|
| e!COCKPIT Anwendungshinweis HVAC BACnet Macros (a2021010)   | 1.0.0 | zip | Download |
| Basierend auf der Bibliothek WagoAppBuildingHVAC_BACnet stellt WAGO in dem Bereich Heizung, Lüftung und Klimatisierung verschiedene HLK-Anlagenmakros mit BACnet-Anbindung zur Verfügung. |       |     |          |

## Engineering-Software

### Configuration and Commissioning Software

|   |                           |                 |          |
|---|---------------------------|-----------------|----------|
| WAGO-IO-PRO Demo-Version (759-912) / Serie 750, 758 und 762<br>Für ein Firmwareupdate können Sie sich jederzeit an den Support wenden.            | V 2.3.9.68<br>2022 Feb 17 | zip<br>125.3 MB | Download |
| WAGOupload<br>WAGOupload is a stand-alone PC software for transferring, backing up and restoring PLC applications on WAGO 750 Series controllers. |                           |                 |          |

## Runtime Software

### Firmware

|   |                     |                 |          |
|---|---------------------|-----------------|----------|
| Image Update (SD Karte) PFC100/200<br>WAGO_FW0750-8xxx_V030808_IX21_I     | V 21<br>2022 Mar 14 | zip<br>205.4 MB | Download |
| WUP Update (WAGOuploadTool) PFC100/200<br>WAGO_FW0750-8xxx_V030808_IX21_W |                     |                 |          |

## Environmental Product Compliance

### Compliance Search

|   |     |          |
|---|-----|----------|
| Environmental Product Compliance 750-8212/040-001 | URL | Download |
|---|-----|----------|

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

Controller PFC200; 2nd Generation; 2 x ETHERNET, RS-232/-485; Telecontrol technology; Extreme

## Installation Notes

### Product family

**Controller PFC XTR**

[Show all products from the family](#)

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