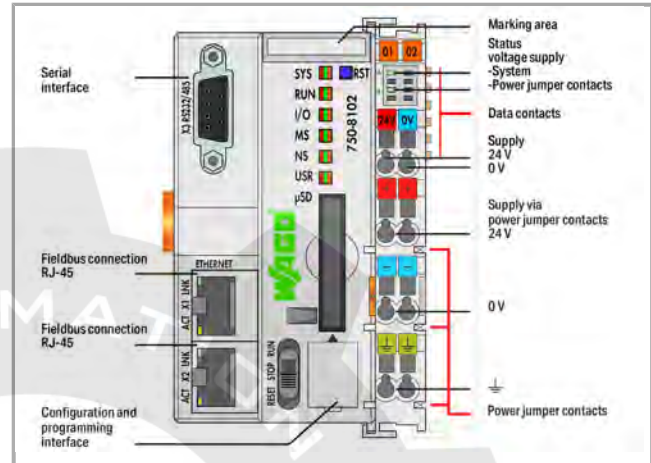


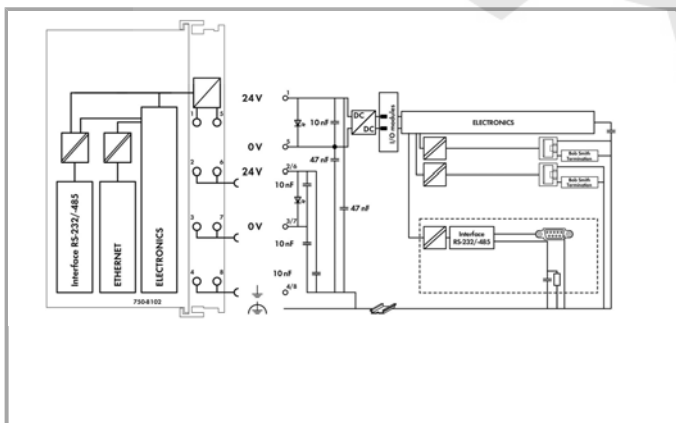
750-8102

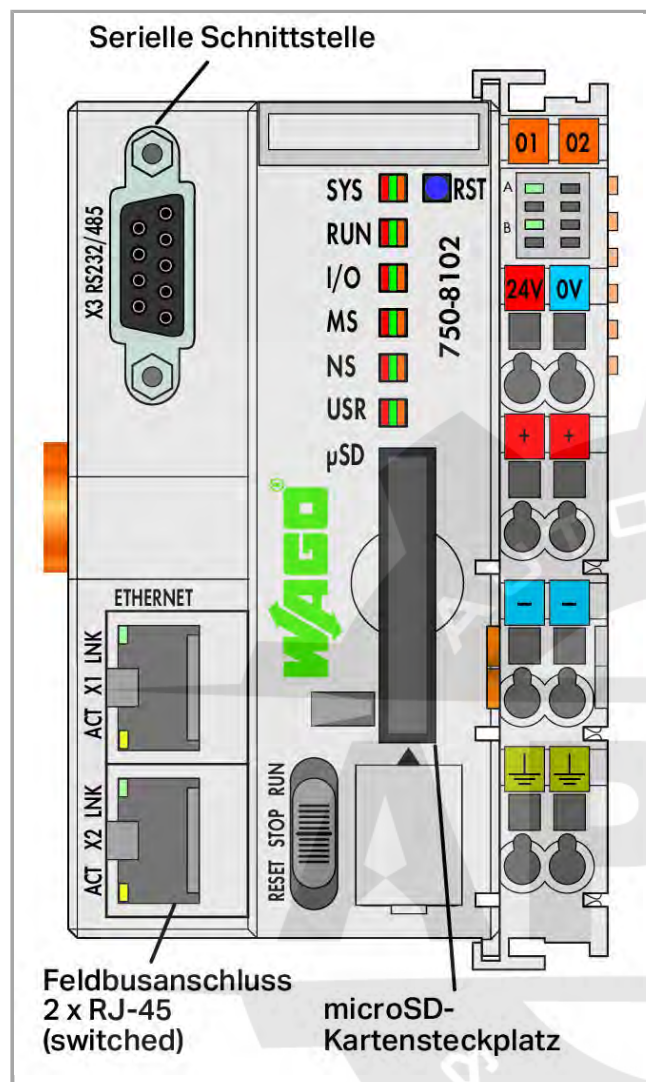


RoHS  
Compliant

BOMcheck.net

Color:





### Item description

The PFC100 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 PFC100 status information.

Besides the processing industry and building automation, typical applications for the PFC100 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 e!COCKPIT
- Direct connection of WAGO I/O modules
- 2 x ETHERNET (configurable), RS-232/-485
- Linux 3.18 operating system with RT-Preemption patch

- Configuration via e!COCKPIT or Web-Based Management user interface
- Maintenance-free

## Data

### Technical Data

|                                                  |                                                                                                                                                                          |
|--------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Communication                                    | Modbus (TCP, UDP)<br>Ethernet<br>Modbus RTU<br>RS-232 serial interface<br>RS-485 interface<br>EtherNet/IP-Adapter (Slave), Bibliothek für e!RUNTIME<br>MQTT              |
| Ethernet protocol                                | DHCP<br>DNS<br>NTP<br>FTP<br>FTPS<br>SNMP<br>HTTP<br>HTTPS<br>SSH                                                                                                        |
| Visualization                                    | Web-Visu                                                                                                                                                                 |
| Operating system                                 | Real-time Linux 3.18 (with RT-Preemption patch)                                                                                                                          |
| CPU                                              | Cortex A8, 600 MHz                                                                                                                                                       |
| Programming languages per IEC 61131-3            | Instruction List (IL)<br>Ladder Diagram (LD)<br>Function Block Diagram (FBD), Continuous Function Chart (CFC)<br>Structured Text (ST)<br>Sequential Function Chart (SFC) |
| Programming environment                          | e!COCKPIT (based on CODESYS V3)                                                                                                                                          |
| Configuration options                            | e!COCKPIT<br>WAGO-I/O-CHECK<br>Web-based management                                                                                                                      |
| 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; Line length (max.): 100 m                                                                                                   |
| Hardware non-volatile memory                     | 64 Kbytes                                                                                                                                                                |
| Program memory                                   | 12 MB (Program and data memory (dynamically distributed))                                                                                                                |
| Data memory                                      | 12 MB Program and data memory (dynamically distributed)                                                                                                                  |
| Software non-volatile memory                     | 128 Kbytes                                                                                                                                                               |
| Type of memory card                              | microSD up to 32 GB (all guaranteed properties only valid with WAGO 758-879/000-3102 memory card)                                                                        |
| Memory card slot                                 | Push-push mechanism, sealable cover lid                                                                                                                                  |
| Number of modules per node max.                  | 250                                                                                                                                                                      |
| Number of I/O modules without bus extension max. | 64                                                                                                                                                                       |



|                                                        |                                                                                                                                                                                                                 |
|--------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Input and output process image (internal) max.         | 1000 Worte/1000 Worte                                                                                                                                                                                           |
| Input and output process image (MODBUS) max.           | 32000 Worte/32000 Worte                                                                                                                                                                                         |
| Indicators                                             | LED (SYS, RUN, I/O, USR) red/green/orange: Status system, program, internal data bus, status programmable by user (can be used via CODESYS library); LED (A, B) green: System power supply status, field supply |
| System supply voltage                                  | DC 24 V (-25 ... +30 %); via wiring level (CAGE CLAMP® connection)                                                                                                                                              |
| Input current typ. at rated load (24 V)                | 550 mA                                                                                                                                                                                                          |
| Total current for system supply                        | 1700 mA                                                                                                                                                                                                         |
| Field supply voltage                                   | DC 24 V (-25 ... +30 %); via power jumper contacts                                                                                                                                                              |
| Current carrying capacity of the power jumper contacts | 10 A                                                                                                                                                                                                            |
| Number of outgoing power jumper contacts               | 3                                                                                                                                                                                                               |
| Isolation                                              | 500 V system/supply                                                                                                                                                                                             |

### 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 |
| 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 mm² / 28 ... 14 AWG                                                                                                             |
| Fine-stranded conductor                       | 0.08 ... 2.5 mm² / 28 ... 14 AWG                                                                                                             |
| Strip length                                  | 8 ... 9 mm / 0.31 ... 0.35 inch                                                                                                              |
| Connection technology: Device configuration   | 1 x 4-pole male connector                                                                                                                    |

### Geometrical Data

|                                       |                      |
|---------------------------------------|----------------------|
| Width                                 | 61.5 mm / 2.421 inch |
| Height                                | 71.9 mm / 2.831 inch |
| Height from upper-edge of DIN-35 rail | 64.7 mm / 2.547 inch |
| Depth                                 | 100 mm / 3.937 inch  |

### Mechanical data

|                    |                              |
|--------------------|------------------------------|
| Weight             | 163 g                        |
| Color              | light gray                   |
| Housing material   | Polycarbonate, polyamide 6.6 |
| Conformity marking | 1                            |

### Environmental Requirements

|                                         |             |
|-----------------------------------------|-------------|
| Surrounding air (operating) temperature | 0 ... 55 °C |
|-----------------------------------------|-------------|

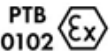
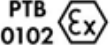
|                                                                                    |                                                                                                                    |
|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|
| Surrounding air (storage) temperature                                              | -40 ... 85 °C                                                                                                      |
| Protection class                                                                   | IP20                                                                                                               |
| Degree of pollution (5)                                                            | 2 per IEC 61131-2                                                                                                  |
| Operating altitude                                                                 | without temperature derating: 0 ... 2000 m; with temperature derating: 2000 ... 5000 m (0.5 K/100 m); max.: 5000 m |
| Relative air humidity (no condensation)                                            | 95 %                                                                                                               |
| Mounting position                                                                  | any                                                                                                                |
| Type of mounting                                                                   | DIN-35 rail                                                                                                        |
| Vibration resistance                                                               | 4g per IEC 60068-2-6                                                                                               |
| Shock resistance                                                                   | 15g per IEC 60068-2-27                                                                                             |
| EMC immunity to interference                                                       | acc. to EN 61000-6-2, marine applications                                                                          |
| EMC emission of interference                                                       | acc. to EN 61000-6-3, marine applications                                                                          |
| Exposure to pollutants                                                             | Per IEC 60068-2-42 and IEC 60068-2-43                                                                              |
| Fire load                                                                          | 0.45 MJ                                                                                                            |
| Permissible H <sub>2</sub> S contaminant concentration at a relative humidity 75 % | 10 ppm                                                                                                             |
| Permissible SO <sub>2</sub> contaminant concentration at a relative humidity 75 %  | 25 ppm                                                                                                             |

## Commercial data

|                    |               |
|--------------------|---------------|
| Country of origin  | DE            |
| GTIN               | 4055143351829 |
| Customs Tariff No. | 85371091990   |

## Approvals / Certificates

### Ex-Approvals

| Logo                                                                               | Approval                    | Additional Approval Text | Certificate name      |
|------------------------------------------------------------------------------------|-----------------------------|--------------------------|-----------------------|
|  | ATEX<br>TUEV Nord Cert GmbH | EN 60079-0               | TUEV_14_ATEX_148929_X |
|  | ATEX<br>TUEV Nord Cert GmbH | IEC 60079-0              | IECEx_TUN_14.0035_X   |
|  | ATEX<br>TUEV Nord Cert GmbH | EN 60079-0               | TUEV_14_ATEX_148929_X |
|  | ATEX<br>TUEV Nord Cert GmbH | IEC 60079-0              | IECEx_TUN_14.0035_X   |



UL  
Underwriters Laboratories Inc. (HAZARDOUS  
LOCATIONS)

ANSI/ISA 12.12.01

E198726 Sec.1

## Country specific Approvals

| Logo                                                                             | Approval                             | Additional Approval Text | Certificate name            |
|----------------------------------------------------------------------------------|--------------------------------------|--------------------------|-----------------------------|
|  | KC<br>National Radio Research Agency | Article 58-2, Clause 3   | MSIP-<br>REM-W43-<br>PFC750 |

## Ship Approvals

| Logo                                                                               | Approval                                         | Additional Approval Text | Certificate name      |
|------------------------------------------------------------------------------------|--------------------------------------------------|--------------------------|-----------------------|
|    | ABS<br>American Bureau of Shipping               | -                        | 19-<br>HG1821926      |
|   | DNV GL<br>Det Norske Veritas, Germanischer Lloyd | -                        | TAA0000194            |
|  | PRS<br>Polski Rejestr Statków                    | -                        | TE/2236<br>/880590/19 |
|  | PRS<br>Polski Rejestr Statków                    | -                        | TE/2210<br>/880590/18 |

## UL-Approvals

| Logo                                                                               | Approval                                                        | Additional Approval Text | Certificate name |
|------------------------------------------------------------------------------------|-----------------------------------------------------------------|--------------------------|------------------|
|  | UL<br>UL International Netherlands B.V. (ORDINARY<br>LOCATIONS) | UL 508                   | E175199<br>Sec.1 |

## Compatible products

## General accessories

|                                                                                  |                                                                              |                     |
|----------------------------------------------------------------------------------|------------------------------------------------------------------------------|---------------------|
|  | Item no.: 750-921<br>Bluetooth® Adapter                                      | 750-921             |
|  | Item no.: 750-923<br>Configuration cable; USB connector; Length: 2.5 m       | 750-923             |
|  | Item no.: 750-923/000-001<br>Configuration cable; USB connector; Length: 5 m | 750-923<br>/000-001 |

## Marking accessories

|                                                                                    |                                                                                                                        |                      |
|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|----------------------|
|    | Item no.: 2009-145<br>Mini-WSB Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type         | 2009-145             |
|    | Item no.: 2009-145/000-002<br>Mini-WSB Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type | 2009-145<br>/000-002 |
|    | Item no.: 2009-145/000-005<br>Mini-WSB Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type | 2009-145<br>/000-005 |
|  | Item no.: 2009-145/000-006<br>Mini-WSB Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type | 2009-145<br>/000-006 |
|  | Item no.: 2009-145/000-007<br>Mini-WSB Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type | 2009-145<br>/000-007 |
|  | Item no.: 2009-145/000-012<br>Mini-WSB Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type | 2009-145<br>/000-012 |
|  | Item no.: 2009-145/000-023<br>Mini-WSB Inline; for smartPRINTER; on reel; stretchable 5 - 5.2 mm; plain; snap-on type  | 2009-145<br>/000-023 |
|  | Item no.: 2009-145/000-024<br>Mini-WSB Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type | 2009-145<br>/000-024 |
|  | Item no.: 248-501<br>Miniature WSB Quick marking system; plain; Marker width 5 mm; 10 strips with 10 markers per card  | 248-501              |
|  | Item no.: 248-501/000-002<br>Mini-WSB marking card; as card; not stretchable; plain; snap-on type                      | 248-501<br>/000-002  |
|  | Item no.: 248-501/000-005<br>Mini-WSB marking card; as card; not stretchable; plain; snap-on type                      | 248-501<br>/000-005  |



**Item no.: 248-501/000-006**  
Mini-WSB marking card; as card; not stretchable; plain; snap-on type

/000-006

248-501



**Item no.: 248-501/000-007**  
Mini-WSB marking card; as card; not stretchable; plain; snap-on type

/000-007

248-501



**Item no.: 248-501/000-012**  
Mini-WSB marking card; as card; not stretchable; plain; snap-on type

/000-012

248-501



**Item no.: 248-501/000-017**  
Mini-WSB marking card; as card; not stretchable; plain; snap-on type

/000-017

248-501



**Item no.: 248-501/000-023**  
Mini-WSB marking card; as card; not stretchable; plain; snap-on type

/000-023

248-501



**Item no.: 248-501/000-024**  
Mini-WSB marking card; as card; not stretchable; plain; snap-on type

/000-024

248-501



**Item no.: 750-103**  
Group marker carrier

750-103



**Item no.: 750-107**  
Group marker carrier

750-107

**Carrier rail**

**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

210-112



**Item no.: 210-113**  
Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; unslotted; according to EN 60715

210-113



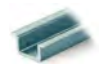
**Item no.: 210-114**  
Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; unslotted; similar to EN 60715

210-114



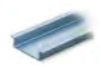
**Item no.: 210-115**  
Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; according to EN 60715; "Hole width 18 mm

210-115



**Item no.: 210-118**  
Steel carrier rail; 35 x 15 mm; 2.3 mm thick; 2 m long; unslotted; according to EN 60715

210-118



**Item no.: 210-196**  
Aluminum carrier rail; 35 x 8.2 mm; 1.6 mm thick; 2 m long; unslotted; similar to EN 60715

210-196



**Item no.: 210-197**  
Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; slotted; similar to EN 60715

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

210-198



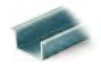
**Item no.: 210-504**  
Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; galvanized; according to EN 60715

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

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

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

210-508

## memory card

**Item no.: 758-879/000-3102**

Memory Card SD Micro; 2 GByte

758-879

/000-3102

## system box

**Item no.: 850-804**

IP65 enclosure; Stainless steel; WxHxD (400x123x200 mm); 4 x M20, 16 x M16, 28 x M12 cable grip

850-804

**Item no.: 850-804/000-001**

IP65 enclosure; Stainless steel; WxHxD (400x123x200 mm); 2 x M20, 13 x M16, 32 x M12 cable grip

850-804

/000-001

**Item no.: 850-805**

IP65 enclosure; Stainless steel; WxHxD (600x123x200 mm); 4 x M20, 19 x M16, 67 x M12 cable grip

850-805

**Item no.: 850-814/002-000**

IP65 enclosure; Sheet steel (RAL 7035); WxHxD (200x120x200 mm); without flange plate

850-814

/002-000

**Item no.: 850-815/002-000**

IP65 enclosure; Sheet steel (RAL 7035); WxHxD (300x120x200 mm); without flange plate

850-815

/002-000

**Item no.: 850-816/002-000**

IP65 enclosure; Sheet steel (RAL 7035); WxHxD (400x120x200 mm); without flange plate

850-816

/002-000

**Item no.: 850-817/002-000**

IP65 enclosure; Sheet steel (RAL 7035); WxHxD (600x120x200 mm); without flange plate

850-817

/002-000

**Item no.: 850-825**

IP65 enclosure; Aluminium (RAL 7032); WxHxD (160x100x160 mm); 9 x M12, 4 x M20

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

850-826

**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

850-826

/002-000

**Item no.: 850-827**

IP65 enclosure; Aluminium (RAL 7032); WxHxD (320x100x160 mm); 4 x M20, 8 x M16, 17 x M12 cable grip

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

850-827

/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

850-828

**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

850-828

/002-000

**Item no.: 850-834**

IP65 enclosure; Polyester (RAL 7032); WxHxD (164x100x164 mm); 9 x M12, 4 x M20

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

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

850-836

**software****Item no.: 2759-101/1110-2002**

e!COCKPIT; Workstation License

2759-101

/1110-2002

**Item no.: 2759-101/1110-2005**

e!COCKPIT; Multi-User License; 05 pcs

2759-101

/1110-2005

**Item no.: 2759-101/1110-2010**

e!COCKPIT; Multi-User License; 10 pcs

2759-101

/1110-2010

**Item no.: 2759-101/1110-2015**

e!COCKPIT; Multi-User License; 15 pcs

2759-101

/1110-2015

**Item no.: 2759-101/1110-2020**

e!COCKPIT; Multi-User License; 20 pcs

2759-101

/1110-2020

**Item no.: 2759-101/1110-3000**

e!COCKPIT; Site License

2759-101

/1110-3000

**Item no.: 2759-101/1110-4000**

e!COCKPIT; Buy-out License

2759-101

/1110-4000

**wiring and connectors****Item no.: 750-975**

ETHERNET RJ-45 connector, IP20; ETHERNET 10/100 Mbit/s; for field assembly

750-975

**Item no.: 750-977/000-011**

Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568A; AWG 22

750-977

/000-011

**Item no.: 750-977/000-012**

Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568B; AWG 22

750-977

/000-012



**Item no.: 750-977/000-021**  
Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568A; AWG 24

/000-021

750-977



**Item no.: 750-977/000-022**  
Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568B; AWG 24

/000-022

750-977



**Item no.: 750-978/000-011**  
Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568A; AWG 22; Strain relief

/000-011

750-978



**Item no.: 750-978/000-012**  
Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568B; AWG 22; Strain relief

/000-012

750-978



**Item no.: 750-978/000-021**  
Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568A; AWG 24; Strain relief

/000-021

750-978



**Item no.: 750-978/000-022**  
Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568B; AWG 24; Strain relief

/000-022

750-978



**Item no.: 750-979/000-011**  
Connector ETHERNET; RJ-45; Cat. 6A; angled; Code T568A; AWG 22; Strain relief

/000-011

750-979



**Item no.: 750-979/000-012**  
Connector ETHERNET; RJ-45; Cat. 6A; angled; Code T568B; AWG 22; Strain relief

/000-012

750-979



**Item no.: 750-979/000-021**  
Connector ETHERNET; RJ-45; Cat. 6A; angled; Code T568A; AWG 24; Strain relief

/000-021

750-979



**Item no.: 750-979/000-022**  
Connector ETHERNET; RJ-45; Cat. 6A; angled; Code T568B; AWG 24; Strain relief

/000-022

750-979

#### shield connection



**Item no.: 790-108**  
Shield clamping saddle; 11 mm wide; diameter of compatible conductor

790-108



**Item no.: 790-116**  
Shield clamping saddle; 19 mm wide; diameter of compatible conductor; 7 ... 16 mm

790-116



**Item no.: 790-124**  
Shield clamping saddle; 27 mm wide; diameter of compatible conductor; 6 ... 24 mm

790-124



**Item no.: 790-140**  
Shield clamping saddle; diameter of compatible conductor

790-140



**Item no.: 790-208**  
Shield clamping saddle; 12.4 mm wide; 3 ... 8 mm

790-208



**Item no.: 790-216**  
Shield clamping saddle; 21.8 mm wide; 6 ... 16 mm

790-216



Item no.: 790-220

Shield clamping saddle; 30 mm wide; 6 ... 20 mm

790-220

## Downloads

## Documentation

## Manual

|                                              |         |               |          |
|----------------------------------------------|---------|---------------|----------|
| PFC100 CS 2ETH RS<br>PLC – PFC100 Controller | V 1.3.0 | pdf<br>3.4 MB | Download |
|----------------------------------------------|---------|---------------|----------|

|                                               |         |               |          |
|-----------------------------------------------|---------|---------------|----------|
| Cyber Security for Controller PFC100 / PFC200 | V 1.2.0 | pdf<br>8.3 MB | Download |
|-----------------------------------------------|---------|---------------|----------|

## Bid Text

|          |  |                |          |
|----------|--|----------------|----------|
| 750-8102 |  | doc<br>34.3 kB | Download |
|----------|--|----------------|----------|

## Tutorial

|                                                                                                                                                                                                                                                                                                                                                               |                     |                |          |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|----------------|----------|
| Set IP address with Ethernet Settings<br>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<br>Dec 18, 2017 | mp4<br>88.3 MB | Download |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|----------------|----------|

|                                                                                                                                                                                                                                                                                                                                  |                    |                |          |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|----------------|----------|
| Establish connection to a controller using SSH<br>In this video we are demonstrating how to establish a SSH connection 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<br>Aug 5, 2017 | mp4<br>29.0 MB | Download |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|----------------|----------|

## Additional Information

|                                                          |         |                 |          |
|----------------------------------------------------------|---------|-----------------|----------|
| Disposal; Electrical and electronic equipment, Packaging | V 1.0.0 | pdf<br>265.8 kB | Download |
|----------------------------------------------------------|---------|-----------------|----------|

|                                                                         |         |               |          |
|-------------------------------------------------------------------------|---------|---------------|----------|
| External license agreement for open source software<br>In Wago products | V 1.0.0 | pdf<br>1.5 MB | Download |
|-------------------------------------------------------------------------|---------|---------------|----------|

## System Description

|                                           |  |                 |          |
|-------------------------------------------|--|-----------------|----------|
| Overview on WAGO-I/O-SYSTEM 750 approvals |  | pdf<br>780.2 kB | Download |
|-------------------------------------------|--|-----------------|----------|

|                                                                                    |         |               |          |
|------------------------------------------------------------------------------------|---------|---------------|----------|
| Design Notes<br>Basic conditions and recommendations for higher operational safety | V 2.0.0 | pdf<br>1.5 MB | Download |
|------------------------------------------------------------------------------------|---------|---------------|----------|



## Application Notes

### Application Note CoDeSys 2.3

Application note WagoLibCloud

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 libraries WagoLibCloud for WAGO-I/O-PRO V2.3 and WagoAppCloud for e!COCKPIT are used.

V 1.4.0

Jul 31, 2018

zip

4.0 MB

[Download](#)

### Application Note e!COCKPIT

e!COCKPIT application note WagoAppCloud

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 libraries WagoLibCloud for WAGO-I/O-PRO V2.3 and WagoAppCloud for e!COCKPIT are used.

V 1.4.1

Apr 26, 2019

zip

4.5 MB

[Download](#)

## Libraries

### Library

Library WagoLibCloud.lib

This library lets the WAGO controllers PFC100 and PFC200 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.

V1.4.0

zip

100.3 kB

[Download](#)

## Engineering-Software

### e!COCKPIT

#### e!COCKPIT

Register at no cost and test our engineering software for 30 days.

V 1.5.0

Mar 11, 2019

ZIP

2.7 GB

[Download](#)

## Runtime Software

### Linux® Toolchain

Linux® Board Support Package (BSP)

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

2018.2.8.FW(11)35

Aug 27, 2018

TXT

14.1 kB

[Download](#)

The WAGO PFC BSP 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.
- There are detailed instructions for many of these tasks and ideas (see How To's).

## Firmware

|                                                                 |                    |                |          |
|-----------------------------------------------------------------|--------------------|----------------|----------|
| Firmware: 750-8102 Controller PFC100; 2 x ETHERNET, RS-232/-485 | 12<br>Mar 11, 2019 | zip<br>44.3 MB | Download |
|-----------------------------------------------------------------|--------------------|----------------|----------|

## IoT/ Cloud

### Cloud Connectivity

|                                                                                                                                                                                                                                                                                                                                                                    |             |               |          |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|---------------|----------|
| Cloud Connectivity beta version                                                                                                                                                                                                                                                                                                                                    | Jul 2, 2018 | ZIP<br>5.7 MB | Download |
| <p>Since January 2018, cloud connectivity has been a component of Firmware 11. Thus, all WAGO PFCs are inherently IoT-ready, so they can send data from the field level to the cloud via MQTT. Here, the data can be aggregated and used for analysis. New features are provided as beta versions. Register here at no cost to test the latest beta functions.</p> |             |               |          |

### "Remote Access" Beta Software

|                                                                      |       |               |          |
|----------------------------------------------------------------------|-------|---------------|----------|
| "Remote Access" Beta Software                                        | V 0.9 | ZIP<br>1.3 MB | Download |
| Register for the beta version of "Remote Access" for the WAGO Cloud. |       |               |          |

## CAD/CAE - Smart Data

### CAD data

|                      |     |          |
|----------------------|-----|----------|
| 3D Download 750-8102 | URL | Download |
|----------------------|-----|----------|

## Product family

### Controller 750

[Learn more about the product family.](#)

[Show all products from the family](#)



Subject to changes.

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