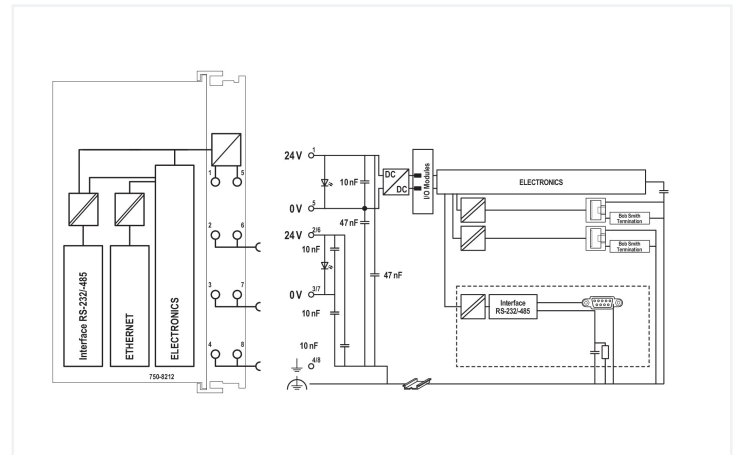


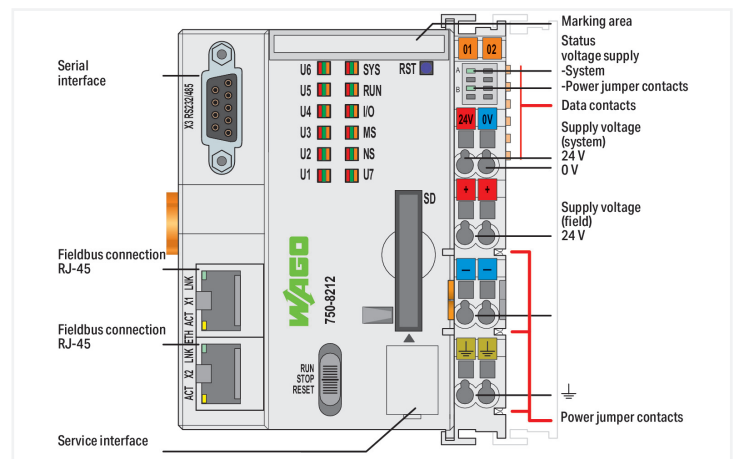
<https://www.wago.com/750-8212/025-002>



Similar to illustration



| PC10200 Communication Options Overview |         |        |        |       |                   |        |       |       |                                                                                                                                                                                                                                                                                                                                                  |          |               |
|----------------------------------------|---------|--------|--------|-------|-------------------|--------|-------|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|---------------|
|                                        | Serial  |        |        |       | Parallel & RS-485 |        |       |       |                                                                                                                                                                                                                                                                                                                                                  |          |               |
|                                        | RS-232C | RS-422 | RS-485 | Modem | Parallel          | RS-485 | Modem | Modem | Options                                                                                                                                                                                                                                                                                                                                          | Part No. | MS. Suggested |
| 10000000000                            | Y       | Y      | Y      | Y     | Y                 | Y      | Y     | Y     | Standard RS-232C, RS-422, RS-485                                                                                                                                                                                                                                                                                                                 | 00000000 | 100-00000000  |
| 10000000000                            | Y       | Y      | Y      | Y     | Y                 | Y      | Y     | Y     | Standard RS-232C, RS-422, RS-485, Modem                                                                                                                                                                                                                                                                                                          | 00000001 | 100-00000001  |
| 10000000000                            | Y       | Y      | Y      | Y     | Y                 | Y      | Y     | Y     | Standard RS-232C, RS-422, RS-485, Modem, RS-485/RS-422 Conversion Module                                                                                                                                                                                                                                                                         | 00000002 | 100-00000002  |
| 10000000000                            | Y       | Y      | Y      | Y     | Y                 | Y      | Y     | Y     | Standard RS-232C, RS-422, RS-485, Modem, RS-485/RS-422 Conversion Module, RS-485/RS-422 Conversion Module                                                                                                                                                                                                                                        | 00000003 | 100-00000003  |
| 10000000000                            | Y       | Y      | Y      | Y     | Y                 | Y      | Y     | Y     | Standard RS-232C, RS-422, RS-485, Modem, RS-485/RS-422 Conversion Module, RS-485/RS-422 Conversion Module, RS-485/RS-422 Conversion Module                                                                                                                                                                                                       | 00000004 | 100-00000004  |
| 10000000000                            | Y       | Y      | Y      | Y     | Y                 | Y      | Y     | Y     | Standard RS-232C, RS-422, RS-485, Modem, RS-485/RS-422 Conversion Module, RS-485/RS-422 Conversion Module, RS-485/RS-422 Conversion Module, RS-485/RS-422 Conversion Module                                                                                                                                                                      | 00000005 | 100-00000005  |
| 10000000000                            | Y       | Y      | Y      | Y     | Y                 | Y      | Y     | Y     | Standard RS-232C, RS-422, RS-485, Modem, RS-485/RS-422 Conversion Module, RS-485/RS-422 Conversion Module, RS-485/RS-422 Conversion Module, RS-485/RS-422 Conversion Module, RS-485/RS-422 Conversion Module                                                                                                                                     | 00000006 | 100-00000006  |
| 10000000000                            | Y       | Y      | Y      | Y     | Y                 | Y      | Y     | Y     | Standard RS-232C, RS-422, RS-485, Modem, RS-485/RS-422 Conversion Module, RS-485/RS-422 Conversion Module, RS-485/RS-422 Conversion Module, RS-485/RS-422 Conversion Module, RS-485/RS-422 Conversion Module, RS-485/RS-422 Conversion Module                                                                                                    | 00000007 | 100-00000007  |
| 10000000000                            | Y       | Y      | Y      | Y     | Y                 | Y      | Y     | Y     | Standard RS-232C, RS-422, RS-485, Modem, RS-485/RS-422 Conversion Module, RS-485/RS-422 Conversion Module, RS-485/RS-422 Conversion Module, RS-485/RS-422 Conversion Module, RS-485/RS-422 Conversion Module, RS-485/RS-422 Conversion Module, RS-485/RS-422 Conversion Module                                                                   | 00000008 | 100-00000008  |
| 10000000000                            | Y       | Y      | Y      | Y     | Y                 | Y      | Y     | Y     | Standard RS-232C, RS-422, RS-485, Modem, RS-485/RS-422 Conversion Module, RS-485/RS-422 Conversion Module, RS-485/RS-422 Conversion Module, RS-485/RS-422 Conversion Module, RS-485/RS-422 Conversion Module, RS-485/RS-422 Conversion Module, RS-485/RS-422 Conversion Module, RS-485/RS-422 Conversion Module                                  | 00000009 | 100-00000009  |
| 10000000000                            | Y       | Y      | Y      | Y     | Y                 | Y      | Y     | Y     | Standard RS-232C, RS-422, RS-485, Modem, RS-485/RS-422 Conversion Module, RS-485/RS-422 Conversion Module, RS-485/RS-422 Conversion Module, RS-485/RS-422 Conversion Module, RS-485/RS-422 Conversion Module, RS-485/RS-422 Conversion Module, RS-485/RS-422 Conversion Module, RS-485/RS-422 Conversion Module, RS-485/RS-422 Conversion Module | 00000010 | 100-00000010  |



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).

Programming per IEC 61131-3

- Programmable with CODESYS V3.5 from Firmware Release 23, WAGO-I/O-PRO V2.3 or **e!COCKPIT** up to Firmware Release 22
- Direct connection of WAGO's I/O modules
- 2 x ETHERNET (configurable), RS-232/-485
- Linux operating system with RT-Preempt patch
- Configuration via CODESYS or Web-Based Management user interface
- Maintenance-free

## Technical data

## Communication

Modbus TCP master/slave  
Modbus (UDP), WagoAppPlcModbus Library  
Modbus (RTU), WagoAppPlcModbus Library  
ETHERNET  
EtherNet/IP™ Adapter (slave)  
EtherNet/IP™ Scanner  
EtherCAT® Master  
OPC UA Server/Client  
OPC UA Pub/Sub (can be installed later)  
MQTT  
Telecontrol protocols  
RS-232 serial interface  
RS-485 interface  
BACnet/IP **requires an additional license**

## Technical data

|                                                   |                                                                                                                                                                                                                          |
|---------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ETHERNET protocols                                | DHCP<br>DNS<br>NTP<br>FTP<br>FTPS<br>SNMP<br>HTTP<br>HTTPS<br>SSH                                                                                                                                                        |
| Telecontrol protocols                             | IEC 60870<br>IEC 61850<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)<br>Continuous Function Chart (CFC)<br>Structured Text (ST)<br>Sequential Function Chart (SFC)                                               |
| Programming environment                           | CODESYS V3.5, Firmware Release 23 or higher<br><b>e!</b> COCKPIT (based on CODESYS V3) up to Firmware Release 22<br>WAGO-I/O-PRO V2.3 (based on CODESYS V2.3), up to Firmware Release 22                                 |
| Configuration options                             | CODESYS V3<br><b>e!</b> COCKPIT<br>WAGO-I/O-CHECK<br>Web-Based Management<br><b>e!</b> 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 KB                                                                                                                                                                                                                   |
| Program memory                                    | CODESYS V2: 16 MB; CODESYS V3: 32 MB                                                                                                                                                                                     |
| Data memory                                       | CODESYS V2: 64 MB; CODESYS V3: 128 MB                                                                                                                                                                                    |
| Non-volatile software memory                      | 128 KB<br>128 KB                                                                                                                                                                                                         |
| Type of memory card                               | SD and SDHC up to 32 GB (all guaranteed properties only valid with WAGO's memory card)                                                                                                                                   |
| Memory card slot                                  | Push-push mechanism; cover lid (sealable)                                                                                                                                                                                |
| Number of modules per node (max.)                 | 6                                                                                                                                                                                                                        |
| Number of modules without a bus extension (max.)  | 6                                                                                                                                                                                                                        |
| Input and output process image (internal) max.    | 1000 words/1000 words                                                                                                                                                                                                    |
| Input and output process image (Modbus®) max.     | CODESYS V2: 1000 words/1000 words; CODESYS V3: 32000 words/32000 words                                                                                                                                                   |
| Indicators                                        | LED (SYS, RUN, I/O, U1 ... U7) red/green/orange: Status of system, program, local data bus, status programmable by user (can be used via CODESYS library); LED (A, B) green: Status of system power supply, field supply |
| Supply voltage (system)                           | 24 VDC (-25 ... +30 %); via pluggable connector (CAGE CLAMP® connection)                                                                                                                                                 |
| Input current (typ.) at nominal load (24 V)       | 550 mA                                                                                                                                                                                                                   |
| Total current (system supply)                     | 1700 mA                                                                                                                                                                                                                  |
| Supply voltage (field)                            | 24 VDC (-25 ... +30 %); via power jumper contacts                                                                                                                                                                        |
| Current carrying capacity (power jumper contacts) | 10 A                                                                                                                                                                                                                     |
| Number of outgoing power jumper contacts          | 3                                                                                                                                                                                                                        |
| Isolation                                         | 500 V system/field                                                                                                                                                                                                       |



| Connection data                               |                                                                                                                                                                                                                                                                                                                                                                    |
|-----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Connection technology: communication/fieldbus | Modbus (TCP, UDP): 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           | 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 inches                                                                                                                                                                                                                                                                                                                                  |
| Connection technology: device configuration   | 1 x Male connector; 4-pole                                                                                                                                                                                                                                                                                                                                         |

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

| Mechanical data    |                              |
|--------------------|------------------------------|
| Weight             | 214 g                        |
| Housing material   | Polycarbonate; polyamide 6.6 |
| Conformity marking | CE                           |

| Environmental requirements                                                         |                                                                                                                                                                                                   |
|------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Ambient temperature (operation)                                                    | -20 ... +60 °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 3K6/IEC EN 60721-3-3 and E-DIN 40046-721-3, accounting for a temperature range of -20 to +60 °C (except for wind-driven precipitation, water and ice formation) |
| Mounting position                                                                  | any                                                                                                                                                                                               |
| Mounting type                                                                      | DIN-35 rail                                                                                                                                                                                       |
| Vibration resistance                                                               | 4g per IEC 60068-2-6                                                                                                                                                                              |
| Shock resistance                                                                   | 15g per IEC 60068-2-27                                                                                                                                                                            |
| EMC immunity to interference                                                       | per EN 61000-6-2, marine applications                                                                                                                                                             |
| EMC emission of interference                                                       | per EN 61000-6-3, marine applications                                                                                                                                                             |
| Exposure to pollutants                                                             | per IEC 60068-2-42 and IEC 60068-2-43                                                                                                                                                             |
| Fire load                                                                          | 2.549 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       |               |
|-----------------------|---------------|
| 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                  | 4055143765077 |
| Customs tariff number | 85371091990   |

| Environmental Product Compliance          |                                                                                                                                                                          |
|-------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CAS-No.                                   | 1303-86-2<br>1317-36-8<br>693-98-1<br>7439-92-1<br>79-94-7                                                                                                               |
| REACH Candidate List Substance            | 2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol<br>2-methylimidazole<br>Diboron trioxide<br>Lead<br>Lead monoxide<br>Perfluorobutane sulfonic acid (PFBS) and its salts |
| RoHS Compliance Status                    | Compliant,With Exemption                                                                                                                                                 |
| RoHS Exemption                            | 6(c)<br>7(a)<br>7(c)-I<br>7(c)-II                                                                                                                                        |
| SCIP notification number (Austria)        | b87db705-c6bb-4492-9160-e0b31e1ea94f                                                                                                                                     |
| SCIP notification number (Belgium)        | e320490c-a0db-4176-9031-93f81cec07bd                                                                                                                                     |
| SCIP notification number (Bulgaria)       | bd70db6b-cc26-4ffb-8ffe-94ff6d64fcf4                                                                                                                                     |
| SCIP notification number (Czech Republic) | bc5f6e11-de48-42e5-be5e-09edd7599d02                                                                                                                                     |
| SCIP notification number (Denmark)        | 56ae3d74-2adf-45f4-a7fb-d6f6506f714f                                                                                                                                     |
| SCIP notification number (Finland)        | 1db2a651-cfa4-4b82-b6b2-669d07342c20                                                                                                                                     |
| SCIP notification number (France)         | 9ae49600-e3c5-4466-845f-9fc70bf0290c                                                                                                                                     |
| SCIP notification number (Germany)        | 3d2167dc-fbbc-4ee6-b17e-fba28db48e5a                                                                                                                                     |
| SCIP notification number (Hungary)        | f19cd086-7339-4b5e-8f74-e3d2ef0df9fb                                                                                                                                     |
| SCIP notification number (Italy)          | 09c23d09-80e7-422b-b41c-54105f1ba597                                                                                                                                     |
| SCIP notification number (Netherlands)    | 62f18751-fc0d-41bb-af3f-34b87fc53e1b                                                                                                                                     |
| SCIP notification number (Poland)         | ec73c1e2-de09-4a86-a825-d9b00392272c                                                                                                                                     |
| SCIP notification number (Romania)        | 5b970301-7d90-450d-89d8-b3fc0f64d9a5                                                                                                                                     |
| SCIP notification number (Sweden)         | 06bb16fa-477f-4ca2-bda7-7d6586e5c546                                                                                                                                     |

| Approvals / Certificates                                                                                                                                                                                                                                   |                        |                                                            |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|------------------------------------------------------------|
| General approvals                                                                                                                                                                                                                                          |                        | Declarations of conformity and manufacturer's declarations |
|    |                        |                                                            |
| Approval                                                                                                                                                                                                                                                   | Standard               | Certificate Name                                           |
| EAC<br>Brjansker Zertifizierungs-<br>stelle                                                                                                                                                                                                                | TP TC 020/2011         | EAC RU C-DE.AM02.<br>B.00087/19                            |
| KC<br>National Radio Research<br>Agency                                                                                                                                                                                                                    | Article 58-2, Clause 3 | MSIP-REM-W43-PFC750                                        |
| UL<br>Underwriters Laboratories<br>Inc. (ORDINARY LOCATI-<br>ONS)                                                                                                                                                                                          | -                      | E175199                                                    |



Approvals for marine applications



| Approval                                                        | Standard             | Certificate Name  |
|-----------------------------------------------------------------|----------------------|-------------------|
| ABS<br>American Bureau of Ship-<br>ping                         | -                    | 22-2227356-PDA    |
| BSH<br>Bundesamt fuer See-<br>schifffahrt und Hydrogra-<br>phie | -                    | 1104              |
| DNV<br>DNV Germany GmbH                                         | DNV-CG-0339,Aug.2021 | TAA00001J4        |
| PRS<br>Polski Rejestr Statków                                   | -                    | TE/1102/880590/23 |

Approvals for hazardous areas



| Approval                                                           | Standard       | Certificate Name                                       |
|--------------------------------------------------------------------|----------------|--------------------------------------------------------|
| ATEX<br>TUEV Nord Cert GmbH                                        | EN 60079-0     | TUEV14ATEX148929X (II<br>3 G Ex ec IIC T4 Gc)          |
| CCCEX<br>CQST/CNEx                                                 | CNCA-C23-01    | 2020312310000213 (Ex<br>ec IIC T4 Gc)                  |
| EAC<br>Brjansker Zertifizierungs-<br>stelle                        | TP TC 012/2011 | EAC RU C-DE.AM02.<br>B.00163/19 (2Ex e IIC T4<br>Gc X) |
| IECEX<br>TUEV Nord Cert GmbH                                       | IEC 60079-0    | IECEX TUN 14.0035 X (Ex<br>ec IIC T4 Gc)               |
| INMETRO<br>TÜV Rheinland do Brasil<br>Ltda.                        | IEC 60079-0    | TÜV 12.1297 X                                          |
| UKEx<br>WAGO GmbH & Co. KG                                         | EN 60079-0     | UKCA_WA<br>GO22UKEX003X_ec                             |
| UL<br>Underwriters Laboratories<br>Inc. (HAZARDOUS LOCA-<br>TIONS) | UL 121201      | E198726 Sec.1                                          |

Downloads

Environmental Product Compliance

| Compliance Search                                       |
|---------------------------------------------------------|
| Environmental Product<br>Compliance<br>750-8212/025-002 |

Documentation

| Manual                                                 |                              |                   |   |
|--------------------------------------------------------|------------------------------|-------------------|---|
| Cyber Security for Con-<br>troller PFC100 /<br>PFC200  | V 1.2.0<br>27.11.2023        | pdf<br>8128.80 KB | ↓ |
| Product Manual<br>PFC200 G2 2ETH RS                    | 1.13.0 / FW 26<br>27.11.2023 | pdf<br>4944.08 KB | ↓ |
| Product Manual Confi-<br>gure IEC 61850                | V 1.4.0<br>20.07.2023        | pdf<br>6642.16 KB | ↓ |
| System Manual WAGO<br>I/O System 750/753               | V 3.3.3<br>29.08.2023        | pdf<br>8512.61 KB | ↓ |
| Product Manual Confi-<br>gure IEC 60870                | V 1.3.0<br>20.07.2023        | pdf<br>8754.70 KB | ↓ |
| System Manual Series<br>750/753                        |                              |                   | ↓ |
| Product Manual OPC<br>UA Mapping Editor                | V 1.1.0<br>11.03.2022        | pdf<br>3314.23 KB | ↓ |
| OPC_UA Mapping Edi-<br>tor                             |                              |                   | ↓ |
| Product Manual WAGO<br>MODBUS Master Confi-<br>gurator | V 1.1.0                      | pdf<br>1761.59 KB | ↓ |
| Product Manual Confi-<br>gure DNP3                     | V 1.3.0<br>20.07.2023        | pdf<br>7466.95 KB | ↓ |

| Manual                                                            |                       |                   |   |
|-------------------------------------------------------------------|-----------------------|-------------------|---|
| Migration Guide                                                   | V 1.3.0<br>03.07.2023 | pdf<br>4938.74 KB | ↓ |
| Migrationsleitfaden von<br>e!COCKPIT-Projekten<br>zu CODESYS V3.5 |                       |                   | ↓ |



| System Description                                 |                  |                   |
|----------------------------------------------------|------------------|-------------------|
| Overview on WAGO-I/O-SYSTEM 750 approvals          | pdf<br>770.48 KB | <a href="#">↓</a> |
| Controller PFC100/200, General Product Information | pdf<br>578.66 KB | <a href="#">↓</a> |

| Tutorial                                       |                   |                    |                   |
|------------------------------------------------|-------------------|--------------------|-------------------|
| WAGO IEC 61850 solution (Transformer)          | 1.0<br>01.06.2012 | wmv<br>19483.43 KB | <a href="#">↓</a> |
| Establish connection to a controller using SSH | 1.0<br>05.08.2017 | mp4<br>28368.02 KB | <a href="#">↓</a> |
| Set IP address with Ethernet Settings          | 3.0<br>18.12.2017 | mp4<br>86272.82 KB | <a href="#">↓</a> |
| Tutorial WAGO IEC 61850 / 61400 solution       | 1.0<br>01.06.2012 | wmv<br>44339.58 KB | <a href="#">↓</a> |
| WAGO IEC 61400-25 solution (Windmill)          | 1.0<br>01.06.2012 | wmv<br>19878.48 KB | <a href="#">↓</a> |

| Additional Information |                       |                   |                   |
|------------------------|-----------------------|-------------------|-------------------|
| WAGO OPC UA Server     | V 1.1.0<br>28.01.2021 | pdf<br>1132.87 KB | <a href="#">↓</a> |

| Bid Text         |            |                  |                   |
|------------------|------------|------------------|-------------------|
| 750-8212/025-002 | 19.02.2019 | xml<br>10.04 KB  | <a href="#">↓</a> |
| 750-8212/025-002 | 21.11.2018 | docx<br>22.02 KB | <a href="#">↓</a> |

| Instruction Leaflet             |            |                  |                   |
|---------------------------------|------------|------------------|-------------------|
| CCC Ex (Additional information) | 26.04.2023 | pdf<br>159.76 KB | <a href="#">↓</a> |

| Application Notes                                                                                  |                          |                    |                   |  |
|----------------------------------------------------------------------------------------------------|--------------------------|--------------------|-------------------|--|
| Application Note CoDeSys 2.3                                                                       |                          |                    |                   |  |
| Application note for installing a MySQL-Server on a PFC-Controller                                 | 1.0.4<br>16.05.2019      | zip<br>4392.22 KB  | <a href="#">↓</a> |  |
| Application note Cloud Connectivity                                                                | 2019-09-17<br>17.09.2019 | zip<br>3973.74 KB  | <a href="#">↓</a> |  |
| HART Tool Routing via ETHERNET with 750-820x/750-88x and CODESYS 2.3 (a116120)                     | 1.0.0<br>22.03.2019      | pdf<br>3798.36 KB  | <a href="#">↓</a> |  |
| Using the web visualization with Java™ runtime environment (JRE, JVM) 7 update 51 (7u51) (a500690) | 1.2.4<br>26.02.2019      | zip<br>4896.43 KB  | <a href="#">↓</a> |  |
| Application Note PowerMeasurement_03 Library                                                       | 19.01.2011<br>19.03.2012 | zip<br>932.08 KB   | <a href="#">↓</a> |  |
| Application Note: DMX_02                                                                           | 26.04.2017<br>26.04.2017 | zip<br>733.43 KB   | <a href="#">↓</a> |  |
| HVAC System Macros                                                                                 | 10.03.2017<br>15.03.2019 | zip<br>13252.92 KB | <a href="#">↓</a> |  |
| Application Note: Mp-Bus_03 Library                                                                | 2020-08-14<br>14.08.2020 | zip<br>513.66 KB   | <a href="#">↓</a> |  |
| Connection of a Thermokon Thanos SR L MODBUS room control unit to the WAGO-I/O-SYSTEM              | 02.05.2013<br>13.05.2013 | zip<br>305.89 KB   | <a href="#">↓</a> |  |
| Anbindung der HKW-Elektronik Wetterprognose-Station WS-K xx T ModBus                               | 1.1<br>07.07.2017        | zip<br>762.78 KB   | <a href="#">↓</a> |  |
| Application Note CoDeSys 2.3                                                                       |                          |                    |                   |  |
| Application Note Scheduler_03.lib                                                                  | 20.05.2011<br>20.05.2011 | zip<br>1717.92 KB  | <a href="#">↓</a> |  |
| Application Note Connecting with an iPod Touch                                                     | 30.03.2011<br>28.10.2011 | zip<br>428.79 KB   | <a href="#">↓</a> |  |
| GRUNDFOS GENibus interface, application note                                                       | 20.03.2017<br>20.03.2017 | zip<br>279.86 KB   | <a href="#">↓</a> |  |
| Connection of Thermokon Multi-function room control units WRF 08                                   | 10.04.2019<br>10.04.2019 | zip<br>855.84 KB   | <a href="#">↓</a> |  |
| Connection of DMX devices to the WAGO-I/O-SYSTEM via the ArtNet-DMX STAGE-PROFI 1.1                | 11.01.2013<br>11.01.2013 | zip<br>1450.63 KB  | <a href="#">↓</a> |  |
| Connection of Thermokon Multi-function room control units WRF 06                                   | 10.04.2019<br>08.04.2016 | zip<br>826.10 KB   | <a href="#">↓</a> |  |
| Application Note for the 750-494 3-Phase Power Measurement Module                                  | 24.01.2014<br>11.11.2014 | zip<br>1629.99 KB  | <a href="#">↓</a> |  |
| Application Note: EnOcean_06 Library                                                               | 30.11.2016<br>30.11.2016 | zip<br>822.25 KB   | <a href="#">↓</a> |  |
| Application Note for the 750-495 3-Phase Power Measurement Module                                  | 24.01.2014<br>24.01.2014 | zip<br>1806.18 KB  | <a href="#">↓</a> |  |
| Application Note Library WagoDatalogger_02                                                         | 2020-05-20<br>20.05.2020 | zip<br>1256.74 KB  | <a href="#">↓</a> |  |
| Application Note Weather Station Elsner P03 Modbus                                                 | 01.12.2011<br>28.10.2011 | zip<br>269.09 KB   | <a href="#">↓</a> |  |



| Application Note CoDeSys 2.3                            |                          |                    |                   |
|---------------------------------------------------------|--------------------------|--------------------|-------------------|
| Application note: DALI 753-647 Configuration Interface  | 1.0.2<br>29.04.2019      | zip<br>3032.71 KB  | <a href="#">↓</a> |
| HLK-Anlagenmakros für TRIC                              | 2015-07-10<br>10.07.2015 | zip<br>74963.43 KB | <a href="#">↓</a> |
| Application Note Library ModuleAccess_01                | 05.01.2016<br>29.01.2016 | zip<br>1001.22 KB  | <a href="#">↓</a> |
| Anwendungshinweis für die Steuerung eines Icus robolink | 12.11.2015<br>12.11.2015 | zip<br>1281.38 KB  | <a href="#">↓</a> |

| Application Note e!COCKPIT                                           |                          |                    |                   |
|----------------------------------------------------------------------|--------------------------|--------------------|-------------------|
| eCOCKPIT application note installation MyS-QL-Server                 | 1.0.3<br>09.09.2019      | pdf<br>1868.46 KB  | <a href="#">↓</a> |
| e!COCKPIT application note WagoAppCloud                              | 2022-11-04<br>04.11.2022 | zip<br>2678.52 KB  | <a href="#">↓</a> |
| HART Tool Routing via ETHERNET with 750-820x and e!RUNTIME (a116130) | 1.0.0<br>22.03.2019      | pdf<br>2867.01 KB  | <a href="#">↓</a> |
| SNMP Communication (a500850)                                         | 1.1.0<br>20.02.2020      | zip<br>3743.05 KB  | <a href="#">↓</a> |
| e!COCKPIT Anwendungshinweis HVAC BACnet Macros (a2021010)            | 1.3.0<br>27.02.2023      | zip<br>67588.63 KB | <a href="#">↓</a> |
| e!COCKPIT Application Note OPC UA Client (a2022001)                  | 1.0.0<br>05.04.2022      | zip<br>1336.65 KB  | <a href="#">↓</a> |
| Application Note WAGO Visualization Datalogger (a2022005)            | 20240109<br>09.01.2024   | zip<br>3851.08 KB  | <a href="#">↓</a> |

| Application note, other |                   |                   |
|-------------------------|-------------------|-------------------|
|                         | pdf<br>2174.17 KB | <a href="#">↓</a> |

| CAD/CAE-Data                     |                                       |
|----------------------------------|---------------------------------------|
| <b>CAD data</b>                  | <b>CAE data</b>                       |
| 2D/3D Models<br>750-8212/025-002 | EPLAN Data Portal<br>750-8212/025-002 |
| <a href="#">↓</a>                | <a href="#">↓</a>                     |
|                                  | ZUKEN Portal<br>750-8212/025-002      |
|                                  | <a href="#">↓</a>                     |

| Engineering-Software                                        |                           |                     |                   |
|-------------------------------------------------------------|---------------------------|---------------------|-------------------|
| Configuration and Commissioning Software                    |                           |                     |                   |
| WAGO-IO-PRO Demo-Version (759-912) / Serie 750, 758 und 762 | V 2.3.9.68<br>17.02.2022  | zip<br>122524.17 KB | <a href="#">↓</a> |
| (759-316) WAGO Ethernet Settings / Serie 750                | 06.18.01.01<br>02.09.2021 | zip<br>26678.54 KB  | <a href="#">↓</a> |
| WAGUpload                                                   | 1.16.1.0<br>02.02.2022    | zip<br>12111.45 KB  | <a href="#">↓</a> |



Runtime Software

| Firmware                                                         |                        |                     |  |
|------------------------------------------------------------------|------------------------|---------------------|--|
| Image Update (SD Karte) PFC100/200 für Codesys V2.3 u. Elcockpit | V 22 SP1<br>12.12.2022 | zip<br>205815.20 KB |  |
| PFC200, Firmware Update für CoDeSys V3.5                         | V 23<br>24.02.2023     | zip<br>167985.38 KB |  |
| WUP Update (WAGOuploadTool) PFC100/200 Codesys V2.3 u. Elcockpit | V 22 SP1<br>12.12.2022 | zip<br>203580.70 KB |  |

Libraries

| Library                      |                     |                  |  |
|------------------------------|---------------------|------------------|--|
| WagoConfigToolLIB            | 1.0.0<br>08.10.2013 | pdf<br>340.92 KB |  |
| WagoLibLed                   | 1.0.0               | pdf<br>504.39 KB |  |
| Library WagoLib-Cloud_02.lib | 2.2.4<br>21.01.2020 | zip<br>56.21 KB  |  |
| WAGO_Datalogger_02.lib       | 2.7<br>20.05.2020   | zip<br>662.90 KB |  |

1 Compatible Products

1.1 Optional Accessories

1.1.1 Cables and connectors

1.1.1.1 Connector plug



[Item No.: 750-979/000-011](#)  
Connector ETHERNET; RJ-45; Cat. 6A; angled; Code T568A; AWG 22; Strain relief



[Item No.: 750-979/000-021](#)  
Connector ETHERNET; RJ-45; Cat. 6A; angled; Code T568A; AWG 24; Strain relief



[Item No.: 750-979/000-012](#)  
Connector ETHERNET; RJ-45; Cat. 6A; angled; Code T568B; AWG 22; Strain relief



[Item No.: 750-979/000-022](#)  
Connector ETHERNET; RJ-45; Cat. 6A; angled; Code T568B; AWG 24; Strain relief



[Item No.: 750-977/000-011](#)  
Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568A; AWG 22



[Item No.: 750-978/000-011](#)  
Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568A; AWG 22; Strain relief



[Item No.: 750-977/000-021](#)  
Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568A; AWG 24



[Item No.: 750-978/000-021](#)  
Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568A; AWG 24; Strain relief



[Item No.: 750-977/000-012](#)  
Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568B; AWG 22



[Item No.: 750-978/000-012](#)  
Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568B; AWG 22; Strain relief



[Item No.: 750-977/000-022](#)  
Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568B; AWG 24



[Item No.: 750-978/000-022](#)  
Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568B; AWG 24; Strain relief



[Item No.: 750-975](#)  
ETHERNET RJ-45 connector, IP20; ETHERNET 10/100 Mbit/s; for field assembly



1.1.2 Communication

1.1.2.1 Communication cable



**Item No.: 750-923**  
Configuration cable; USB connector;  
Length: 2.5 m



**Item No.: 750-923/000-001**  
Configuration cable; USB connector;  
Length: 5 m

1.1.3 DIN-rail

1.1.3.1 Mounting accessories



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



**Item No.: 210-198**  
Copper carrier rail; 35 x 15 mm; 2.3 mm thick; 2 m long; unslopped; according to EN 60715; copper-colored



**Item No.: 210-508**  
Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; slopped; galvanized; similar to EN 60715; silver-colored



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



**Item No.: 210-506**  
Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; unslopped; galvanized; similar to EN 60715; silver-colored



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



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



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



**Item No.: 210-112**  
Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slopped; according to EN 60715; "Hole width 25 mm; silver-colored



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



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



**Item No.: 210-505**  
Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; unslopped; galvanized; according to EN 60715; silver-colored

1.1.4 Marking

1.1.4.1 Group marker carrier



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

1.1.4.2 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



**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



**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



**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



**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



**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



**Item No.: 2009-145**  
Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white



**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



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



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



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



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



1.1.4.2 Marker



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



**Item No.: 248-501/000-005**  
Mini-WSB marking card; as card; not stretchable; plain; snap-on type; red



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



**Item No.: 248-501**  
Mini-WSB marking card; as card; not stretchable; plain; snap-on type; white



**Item No.: 248-501/000-002**  
Mini-WSB marking card; as card; not stretchable; plain; snap-on type; yellow

1.1.4.3 Marker carrier



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

1.1.5 Memory card

1.1.5.1 Memory card



**Item No.: 758-879/000-2108**  
Memory Card SD; pSLC-NAND; 8 GB;  
Temperature range: -40 to 90°C



**Item No.: 758-879/000-001**  
Memory Card SD; SLC-NAND; 2 GByte;  
Temperature from -40 to 90 °C

1.1.6 Shield termination

1.1.6.1 Shield clamping saddles



**Item No.: 790-108**  
Shield clamping saddle; 11 mm wide; diameter of compatible conductor; 3 ... 8 mm



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



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



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



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



**Item No.: 790-220**  
Shield clamping saddle; 30 mm wide; 6 ... 20 mm



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

1.1.7 Software

1.1.7.1 Basic version



**Item No.: 759-333**  
WAGO-I/O-PRO



**Item No.: 759-333/000-923**  
WAGO-I/O-PRO; USB-Set

1.1.7.2 Runtime software



**Item No.: 2759-244/210-1000**  
Runtime; Room Automation; Macro; Single License

1.1.7.3 Software Application



**Item No.: 2759-206/261-1000**  
Application Energy Data Management; Single License; Online activation



**Item No.: 2759-2110/261-1000**  
Application flexROOM; Single License; Online activation



**Item No.: 2759-2015/260-1000**  
Application Grid Gateway; Single License



**Item No.: 2759-2015/261-1000**  
Application Grid Gateway; Single License; Online activation



**Item No.: 2759-204/261-1000**  
Application Lighting Management; Single License; Online activation



**Item No.: 2759-241/261-1000**  
Application Weather Station; Single License; Online activation



**Item No.: 2759-120/1121-1000**  
e!COCKPIT MTP; Single License; Online activation



**Item No.: 2759-245/211-1000**  
Library Controller Redundancy Master; Single License; Online activation



**Item No.: 2759-208/211-1000**  
Library MTP; Single License; Online activation



**Item No.: 2759-203/211-1000**  
Library Power Plant Control; VDE-AR-N 4110 / 4120; Single License; Online activation



**Item No.: 2759-207/271-1000**  
Visualization Energy Data Management; Single License; Online activation



**Item No.: 2759-2103/271-1000**  
Visualization Lighting Management; L; Single License; Online activation



**Item No.: 2759-2102/271-1000**  
Visualization Lighting Management; M; Single License; Online activation



**Item No.: 2759-2101/271-1000**  
Visualization Lighting Management; S; Single License; Online activation

1.1.8 System enclosure

1.1.8.1 System enclosure



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



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



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



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



**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



**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



**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



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



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



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



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



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



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