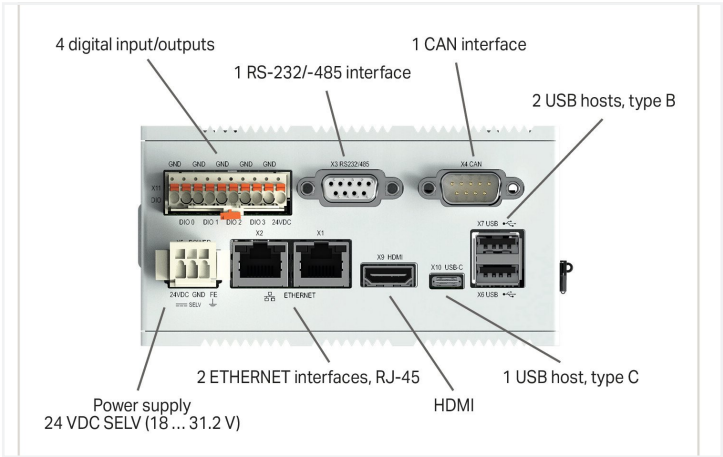
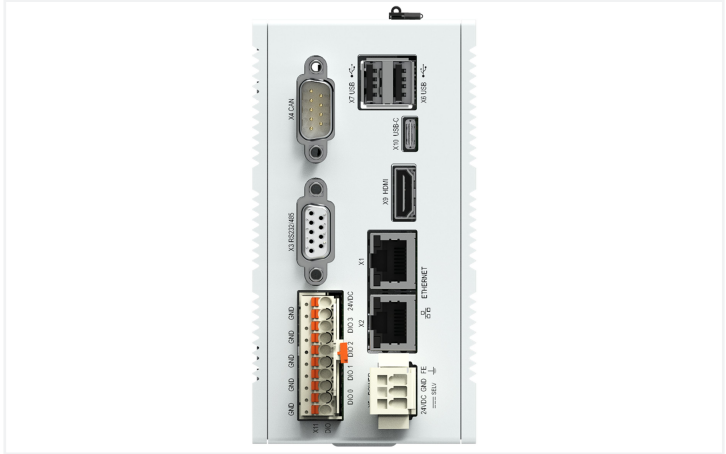




| Technical data          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Communications          | Telecontrol protocols, <b>requires an additional license</b><br>MicroBrowser (including visualization of CODESYS V2.3), requires an additional license<br>OPC UA Server/Client<br>OPC UA Pub/Sub (can be installed later)<br>MQTT<br>RS-232 serial interface<br>RS-485 interface<br>BACnet/IP, <b>requires an additional license</b><br>Modbus (RTU), WagoAppPlcModbus Library<br>ETHERNET<br>EtherNet/IP™ Adapter (slave)<br>EtherNet/IP™ Scanner<br>CANopen<br>EtherCAT® Master<br>Web browser<br>Web browser (HTML5)<br>Modbus TCP master/slave<br>Modbus (UDP), WagoAppPlcModbus Library |
| ETHERNET protocols      | HTTPS<br>SSH<br>DHCP<br>DNS<br>FTP<br>FTPS<br>HTTP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Visualization           | Web-Visu<br>Target Visu                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Operating system        | Real-time Linux (with PREEMPT_RT patch)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Processor               | ARM® Cortex® A9 Quad-Core 1.0 GHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Programming environment | <b>e!</b> COCKPIT (based on CODESYS V3) up to Firmware Release 22<br>CODESYS V3.5, Firmware Release 24 or higher                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |



| Technical data               |                                                                    |  |
|------------------------------|--------------------------------------------------------------------|--|
| Transmission rate            | ETHERNET: 10/100 Mbit/s; CAN: 1 MBd                                |  |
| Main memory (RAM)            | 2 GB, DDR3 SDRAM                                                   |  |
| Internal memory (flash)      | 4 GB, eMMC                                                         |  |
| Non-volatile hardware memory | 128 KB                                                             |  |
| Memory expansion             | microSD (max. 2 GB), microSDHC (max. 32 GB)                        |  |
| Interfaces (USB)             | 2 x USB 2.0 socket, type A; 1 x USB OTG socket, type C             |  |
| Onboard I/Os                 | 4 x DIO, configurable                                              |  |
| Indicators                   | 3-color LED – red, green, blue; 4 x red/green LED                  |  |
| Supply voltage               | 24 VDC, SELV (18 ... 31.2 V); LPS; with reverse voltage protection |  |
| Input current (max.) (24 V)  | 120 mA                                                             |  |
| Operating power              | 2.9 W, without USB load; 9.4 W, with USB load                      |  |

| Connection data                               |                                                                                           |  |
|-----------------------------------------------|-------------------------------------------------------------------------------------------|--|
| Connection technology: communication/fieldbus | ETHERNET: 2 x RJ-45; CANopen: 1 x D-sub 9 plug; RS-232/-485 Interface: 1 x D-sub 9 socket |  |

| Physical data |                       |  |
|---------------|-----------------------|--|
| Width         | 65 mm / 2.559 inches  |  |
| Height        | 123 mm / 4.843 inches |  |
| Depth         | 115 mm / 4.528 inches |  |

| Mechanical data  |                         |  |
|------------------|-------------------------|--|
| Weight           | 600 g                   |  |
| Housing material | Aluminum, powder-coated |  |

| Environmental requirements               |                |  |
|------------------------------------------|----------------|--|
| Ambient temperature (operation)          | -20 ... +60 °C |  |
| Ambient temperature (storage)            | -20 ... +80 °C |  |
| Protection type                          | IP20           |  |
| Relative humidity (without condensation) | 90 %           |  |
| Mounting type                            | DIN-35 rail    |  |
| Fire load                                | 0 MJ           |  |

| Commercial data       |               |  |
|-----------------------|---------------|--|
| ETIM 9.0              | EC001413      |  |
| ETIM 8.0              | EC001413      |  |
| PU (SPU)              | 1 pcs         |  |
| Packaging type        | Box           |  |
| Country of origin     | DE            |  |
| GTIN                  | 4066966108996 |  |
| Customs tariff number | 84714100000   |  |

| Environmental Product Compliance |                        |
|----------------------------------|------------------------|
| RoHS Compliance Status           | Compliant,No Exemption |

| Approvals / Certificates                                                         |                        |                                                            |
|----------------------------------------------------------------------------------|------------------------|------------------------------------------------------------|
| General approvals                                                                |                        | Declarations of conformity and manufacturer's declarations |
|  |                        |                                                            |
| Approval                                                                         | Standard               | Certificate Name                                           |
| KC<br>National Radio Research Agency                                             | Article 58-2, Clause 3 | R-R-W43-EDGE752                                            |
| UL<br>Underwriters Laboratories Inc. (ORDINARY LOCATIONS)                        | UL 61010-2-201         | E175199                                                    |

| Downloads                                             |                                                                                    |
|-------------------------------------------------------|------------------------------------------------------------------------------------|
| Environmental Product Compliance                      |                                                                                    |
| Compliance Search                                     |                                                                                    |
| Environmental Product Compliance<br>752-8303/8000-002 |  |

| Documentation                                               |                       |                    |                                                                                     |
|-------------------------------------------------------------|-----------------------|--------------------|-------------------------------------------------------------------------------------|
| Manual                                                      |                       | System Description |                                                                                     |
| Product Manual WAGO Edge Controller                         | 1.5.0<br>16.08.2024   | pdf<br>1917.74 KB  |  |
| Product Manual OPC UA Mapping Editor                        | V 1.1.0<br>11.03.2022 | pdf<br>3314.23 KB  |  |
| OPC_UA Mapping Editor                                       |                       |                    |  |
| Migration Guide                                             | V 1.3.0<br>03.07.2023 | pdf<br>4938.74 KB  |  |
| Migrationsleitfaden von e!COCKPIT-Projekten zu CODESYS V3.5 |                       |                    |  |

| Bid Text                             |                  |                                                                                     |
|--------------------------------------|------------------|-------------------------------------------------------------------------------------|
| 752-8303/8000-002                    | xml<br>5.55 KB   |  |
| 752-8303/8000-002                    | docx<br>29.98 KB |  |
| ausschreiben.de<br>752-8303/8000-002 |                  |  |



| CAD/CAE-Data      |  |                   |  |
|-------------------|--|-------------------|--|
| CAD data          |  | CAE data          |  |
| 2D/3D Models      |  | EPLAN Data Portal |  |
| 752-8303/8000-002 |  | 752-8303/8000-002 |  |
|                   |  | ZUKEN Portal      |  |
|                   |  | 752-8303/8000-002 |  |

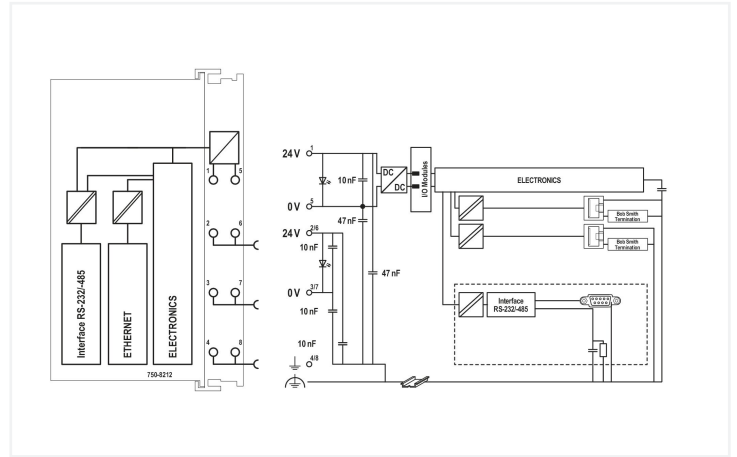
| Engineering-Software                     |                        |                    |  |
|------------------------------------------|------------------------|--------------------|--|
| Configuration and Commissioning Software |                        |                    |  |
| CODESYS V3.5                             |                        | png<br>315.13 KB   |  |
| WAGOupload                               | 1.16.1.0<br>02.02.2022 | zip<br>12111.45 KB |  |

| Runtime Software                            |                        |                     |  |
|---------------------------------------------|------------------------|---------------------|--|
| Firmware                                    |                        |                     |  |
| Edge Controller Code-sys V3.5 Firmware      | 27.06.2023             | zip<br>0.02 KB      |  |
| Image Update (SD Karte) Edge Controller     | V 22 SP1<br>14.12.2022 | zip<br>215605.00 KB |  |
| WUP Update (WAGOuploadTool) Edge Controller | V 22 SP1<br>14.12.2022 | zip<br>213716.66 KB |  |

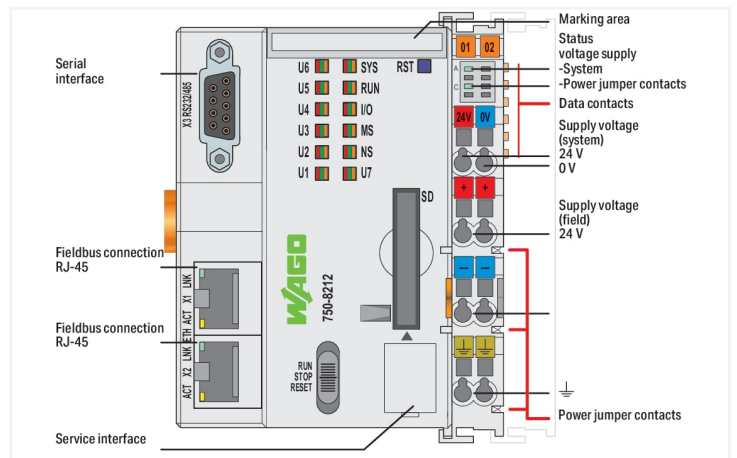
<https://www.wago.com/750-8212>



Color:  light gray



| PC200 Communication Options Overview                                                |                           |                  |             |          |         |             |                 |          |         |                                                                                    |          |                  |
|-------------------------------------------------------------------------------------|---------------------------|------------------|-------------|----------|---------|-------------|-----------------|----------|---------|------------------------------------------------------------------------------------|----------|------------------|
|                                                                                     | Option                    | Ethernet         |             |          |         |             | RS-485 / Modbus |          |         | Description                                                                        | Part No. | Max. Temperature |
|                                                                                     |                           | 10/100/1000 Mbps | 10/100 Mbps | 100 Mbps | 10 Mbps | 10/100 Mbps | 10/100 Mbps     | 100 Mbps | 10 Mbps |                                                                                    |          |                  |
|    | 10/100/1000 Mbps Ethernet | ✓                | ✓           | ✓        | ✓       | ✓           | ✓               | ✓        | ✓       | Complies with IEEE 802.3ab 1000Base-T, IEEE 802.3u 100Base-TX, IEEE 802.3 10Base-T | 100-0124 | 100-0124-0000    |
|    | 10/100 Mbps Ethernet      | ✓                | ✓           | ✓        | ✓       | ✓           | ✓               | ✓        | ✓       | Complies with IEEE 802.3u 100Base-TX, IEEE 802.3 10Base-T                          | 100-0125 | 100-0125-0000    |
|    | 100 Mbps Ethernet         | ✓                | ✓           | ✓        | ✓       | ✓           | ✓               | ✓        | ✓       | Complies with IEEE 802.3 100Base-TX                                                | 100-0126 | 100-0126-0000    |
|    | 10 Mbps Ethernet          | ✓                | ✓           | ✓        | ✓       | ✓           | ✓               | ✓        | ✓       | Complies with IEEE 802.3 10Base-T                                                  | 100-0127 | 100-0127-0000    |
|    | 10/100 Mbps Ethernet      | ✓                | ✓           | ✓        | ✓       | ✓           | ✓               | ✓        | ✓       | Complies with IEEE 802.3u 100Base-TX, IEEE 802.3 10Base-T                          | 100-0128 | 100-0128-0000    |
|    | 100 Mbps Ethernet         | ✓                | ✓           | ✓        | ✓       | ✓           | ✓               | ✓        | ✓       | Complies with IEEE 802.3 100Base-TX                                                | 100-0129 | 100-0129-0000    |
|    | 10 Mbps Ethernet          | ✓                | ✓           | ✓        | ✓       | ✓           | ✓               | ✓        | ✓       | Complies with IEEE 802.3 10Base-T                                                  | 100-0130 | 100-0130-0000    |
|   | 10/100 Mbps Ethernet      | ✓                | ✓           | ✓        | ✓       | ✓           | ✓               | ✓        | ✓       | Complies with IEEE 802.3u 100Base-TX, IEEE 802.3 10Base-T                          | 100-0131 | 100-0131-0000    |
|  | 100 Mbps Ethernet         | ✓                | ✓           | ✓        | ✓       | ✓           | ✓               | ✓        | ✓       | Complies with IEEE 802.3 100Base-TX                                                | 100-0132 | 100-0132-0000    |
|  | 10 Mbps Ethernet          | ✓                | ✓           | ✓        | ✓       | ✓           | ✓               | ✓        | ✓       | Complies with IEEE 802.3 10Base-T                                                  | 100-0133 | 100-0133-0000    |
|  | 10/100 Mbps Ethernet      | ✓                | ✓           | ✓        | ✓       | ✓           | ✓               | ✓        | ✓       | Complies with IEEE 802.3u 100Base-TX, IEEE 802.3 10Base-T                          | 100-0134 | 100-0134-0000    |
|  | 100 Mbps Ethernet         | ✓                | ✓           | ✓        | ✓       | ✓           | ✓               | ✓        | ✓       | Complies with IEEE 802.3 100Base-TX                                                | 100-0135 | 100-0135-0000    |
|  | 10 Mbps Ethernet          | ✓                | ✓           | ✓        | ✓       | ✓           | ✓               | ✓        | ✓       | Complies with IEEE 802.3 10Base-T                                                  | 100-0136 | 100-0136-0000    |
|  | 10/100 Mbps Ethernet      | ✓                | ✓           | ✓        | ✓       | ✓           | ✓               | ✓        | ✓       | Complies with IEEE 802.3u 100Base-TX, IEEE 802.3 10Base-T                          | 100-0137 | 100-0137-0000    |
|  | 100 Mbps Ethernet         | ✓                | ✓           | ✓        | ✓       | ✓           | ✓               | ✓        | ✓       | Complies with IEEE 802.3 100Base-TX                                                | 100-0138 | 100-0138-0000    |
|  | 10 Mbps Ethernet          | ✓                | ✓           | ✓        | ✓       | ✓           | ✓               | ✓        | ✓       | Complies with IEEE 802.3 10Base-T                                                  | 100-0139 | 100-0139-0000    |
|  | 10/100 Mbps Ethernet      | ✓                | ✓           | ✓        | ✓       | ✓           | ✓               | ✓        | ✓       | Complies with IEEE 802.3u 100Base-TX, IEEE 802.3 10Base-T                          | 100-0140 | 100-0140-0000    |
|  | 100 Mbps Ethernet         | ✓                | ✓           | ✓        | ✓       | ✓           | ✓               | ✓        | ✓       | Complies with IEEE 802.3 100Base-TX                                                | 100-0141 | 100-0141-0000    |
|  | 10 Mbps Ethernet          | ✓                | ✓           | ✓        | ✓       | ✓           | ✓               | ✓        | ✓       | Complies with IEEE 802.3 10Base-T                                                  | 100-0142 | 100-0142-0000    |
|  | 10/100 Mbps Ethernet      | ✓                | ✓           | ✓        | ✓       | ✓           | ✓               | ✓        | ✓       | Complies with IEEE 802.3u 100Base-TX, IEEE 802.3 10Base-T                          | 100-0143 | 100-0143-0000    |
|  | 100 Mbps Ethernet         | ✓                | ✓           | ✓        | ✓       | ✓           | ✓               | ✓        | ✓       | Complies with IEEE 802.3 100Base-TX                                                | 100-0144 | 100-0144-0000    |
|  | 10 Mbps Ethernet          | ✓                | ✓           | ✓        | ✓       | ✓           | ✓               | ✓        | ✓       | Complies with IEEE 802.3 10Base-T                                                  | 100-0145 | 100-0145-0000    |
|  | 10/100 Mbps Ethernet      | ✓                | ✓           | ✓        | ✓       | ✓           | ✓               | ✓        | ✓       | Complies with IEEE 802.3u 100Base-TX, IEEE 802.3 10Base-T                          | 100-0146 | 100-0146-0000    |
|  | 100 Mbps Ethernet         | ✓                | ✓           | ✓        | ✓       | ✓           | ✓               | ✓        | ✓       | Complies with IEEE 802.3 100Base-TX                                                | 100-0147 | 100-0147-0000    |
|  | 10 Mbps Ethernet          | ✓                | ✓           | ✓        | ✓       | ✓           | ✓               | ✓        | ✓       | Complies with IEEE 802.3 10Base-T                                                  | 100-0148 | 100-0148-0000    |
|  | 10/100 Mbps Ethernet      | ✓                | ✓           | ✓        | ✓       | ✓           | ✓               | ✓        | ✓       | Complies with IEEE 802.3u 100Base-TX, IEEE 802.3 10Base-T                          | 100-0149 | 100-0149-0000    |
|  | 100 Mbps Ethernet         | ✓                | ✓           | ✓        | ✓       | ✓           | ✓               | ✓        | ✓       | Complies with IEEE 802.3 100Base-TX                                                | 100-0150 | 100-0150-0000    |
|  | 10 Mbps Ethernet          | ✓                | ✓           | ✓        | ✓       | ✓           | ✓               | ✓        | ✓       | Complies with IEEE 802.3 10Base-T                                                  | 100-0151 | 100-0151-0000    |
|  | 10/100 Mbps Ethernet      | ✓                | ✓           | ✓        | ✓       | ✓           | ✓               | ✓        | ✓       | Complies with IEEE 802.3u 100Base-TX, IEEE 802.3 10Base-T                          | 100-0152 | 100-0152-0000    |
|  | 100 Mbps Ethernet         | ✓                | ✓           | ✓        | ✓       | ✓           | ✓               | ✓        | ✓       | Complies with IEEE 802.3 100Base-TX                                                | 100-0153 | 100-0153-0000    |
|  | 10 Mbps Ethernet          | ✓                | ✓           | ✓        | ✓       | ✓           | ✓               | ✓        | ✓       | Complies with IEEE 802.3 10Base-T                                                  | 100-0154 | 100-0154-0000    |
|  | 10/100 Mbps Ethernet      | ✓                | ✓           | ✓        | ✓       | ✓           | ✓               | ✓        | ✓       | Complies with IEEE 802.3u 100Base-TX, IEEE 802.3 10Base-T                          | 100-0155 | 100-0155-0000    |
|  | 100 Mbps Ethernet         | ✓                | ✓           | ✓        | ✓       | ✓           | ✓               | ✓        | ✓       | Complies with IEEE 802.3 100Base-TX                                                | 100-0156 | 100-0156-0000    |
|  | 10 Mbps Ethernet          | ✓                | ✓           | ✓        | ✓       | ✓           | ✓               | ✓        | ✓       | Complies with IEEE 802.3 10Base-T                                                  | 100-0157 | 100-0157-0000    |
|  | 10/100 Mbps Ethernet      | ✓                | ✓           | ✓        | ✓       | ✓           | ✓               | ✓        | ✓       | Complies with IEEE 802.3u 100Base-TX, IEEE 802.3 10Base-T                          | 100-0158 | 100-0158-0000    |
|  | 100 Mbps Ethernet         | ✓                | ✓           | ✓        | ✓       | ✓           | ✓               | ✓        | ✓       | Complies with IEEE 802.3 100Base-TX                                                | 100-0159 | 100-0159-0000    |
|  | 10 Mbps Ethernet          | ✓                | ✓           | ✓        | ✓       | ✓           | ✓               | ✓        | ✓       | Complies with IEEE 802.3 10Base-T                                                  | 100-0160 | 100-0160-0000    |
|  | 10/100 Mbps Ethernet      | ✓                | ✓           | ✓        | ✓       | ✓           | ✓               | ✓        | ✓       | Complies with IEEE 802.3u 100Base-TX, IEEE 802.3 10Base-T                          | 100-0161 | 100-0161-0000    |
|  | 100 Mbps Ethernet         | ✓                | ✓           | ✓        | ✓       | ✓           | ✓               | ✓        | ✓       | Complies with IEEE 802.3 100Base-TX                                                | 100-0162 | 100-0162-0000    |
|  | 10 Mbps Ethernet          | ✓                | ✓           | ✓        | ✓       | ✓           | ✓               | ✓        | ✓       | Complies with IEEE 802.3 10Base-T                                                  | 100-0163 | 100-0163-0000    |
|  | 10/100 Mbps Ethernet      | ✓                | ✓           | ✓        | ✓       | ✓           | ✓               | ✓        | ✓       | Complies with IEEE 802.3u 100Base-TX, IEEE 802.3 10Base-T                          | 100-0164 | 100-0164-0000    |
|  | 100 Mbps Ethernet         | ✓                | ✓           | ✓        | ✓       | ✓           | ✓               | ✓        | ✓       | Complies with IEEE 802.3 100Base-TX                                                | 100-0165 | 100-0165-0000    |
|  | 10 Mbps Ethernet          | ✓                | ✓           | ✓        | ✓       | ✓           | ✓               | ✓        | ✓       | Complies with IEEE 802.3 10Base-T                                                  | 100-0166 | 100-0166-0000    |
|  | 10/100 Mbps Ethernet      | ✓                | ✓           | ✓        | ✓       | ✓           | ✓               | ✓        | ✓       | Complies with IEEE 802.3u 100Base-TX, IEEE 802.3 10Base-T                          | 100-0167 | 100-0167-0000    |
|  | 100 Mbps Ethernet         | ✓                | ✓           | ✓        | ✓       | ✓           | ✓               | ✓        | ✓       | Complies with IEEE 802.3 100Base-TX                                                | 100-0168 | 100-0168-0000    |
|  | 10 Mbps Ethernet          | ✓                | ✓           | ✓        | ✓       | ✓           | ✓               | ✓        | ✓       | Complies with IEEE 802.3 10Base-T                                                  | 100-0169 | 100-0169-0000    |
|  | 10/100 Mbps Ethernet      | ✓                | ✓           | ✓        | ✓       | ✓           | ✓               | ✓        | ✓       | Complies with IEEE 802.3u 100Base-TX, IEEE 802.3 10Base-T                          | 100-0170 | 100-0170-0000    |
|  | 100 Mbps Ethernet         | ✓                | ✓           | ✓        | ✓       | ✓           | ✓               | ✓        | ✓       | Complies with IEEE 802.3 100Base-TX                                                | 100-0171 | 100-0171-0000    |
|  | 10 Mbps Ethernet          | ✓                | ✓           | ✓        | ✓       | ✓           | ✓               | ✓        | ✓       | Complies with IEEE 802.3 10Base-T                                                  | 100-0172 | 100-0172-0000    |
|  | 10/100 Mbps Ethernet      | ✓                | ✓           | ✓        | ✓       | ✓           | ✓               | ✓        | ✓       | Complies with IEEE 802.3u 100Base-TX, IEEE 802.3 10Base-T                          | 100-0173 | 100-0173-0000    |
|  | 100 Mbps Ethernet         | ✓                | ✓           | ✓        | ✓       | ✓           | ✓               | ✓        | ✓       | Complies with IEEE 802.3 100Base-TX                                                | 100-0174 | 100-0174-0000    |
|  | 10 Mbps Ethernet          | ✓                | ✓           | ✓        | ✓       | ✓           | ✓               | ✓        | ✓       | Complies with IEEE 802.3 10Base-T                                                  | 100-0175 | 100-0175-0000    |
|  | 10/100 Mbps Ethernet      | ✓                | ✓           | ✓        | ✓       | ✓           | ✓               | ✓        | ✓       | Complies with IEEE 802.3u 100Base-TX, IEEE 802.3 10Base-T                          | 100-0176 | 100-0176-0000    |
|  | 100 Mbps Ethernet         | ✓                | ✓           | ✓        | ✓       | ✓           | ✓               | ✓        | ✓       | Complies with IEEE 802.3 100Base-TX                                                | 100-0177 | 100-0177-0000    |
|  | 10 Mbps Ethernet          | ✓                | ✓           | ✓        | ✓       | ✓           | ✓               | ✓        | ✓       | Complies with IEEE 802.3 10Base-T                                                  | 100-0178 | 100-0178-0000    |
|  | 10/100 Mbps Ethernet      | ✓                | ✓           | ✓        | ✓       | ✓           | ✓               | ✓        | ✓       | Complies with IEEE 802.3u 100Base-TX, IEEE 802.3 10Base-T                          | 100-0179 | 100-0179-0000    |
|  | 100 Mbps Ethernet         | ✓                | ✓           | ✓        | ✓       | ✓           | ✓               | ✓        | ✓       | Complies with IEEE 802.3 100Base-TX                                                | 100-0180 | 100-0180-0000    |
|  | 10 Mbps Ethernet          | ✓                | ✓           | ✓        | ✓       | ✓           | ✓               | ✓        | ✓       | Complies with IEEE 802.3 10Base-T                                                  | 100-0181 | 100-0181-0000    |
|  | 10/100 Mbps Ethernet      | ✓                | ✓           | ✓        | ✓       | ✓           | ✓               | ✓        | ✓       | Complies with IEEE 802.3u 100Base-TX, IEEE 802.3 10Base-T                          | 100-0182 | 100-0182-0000    |
|  | 100 Mbps Ethernet         | ✓                | ✓           | ✓        | ✓       | ✓           | ✓               | ✓        | ✓       | Complies with IEEE 802.3 100Base-TX                                                | 100-0183 | 100-0183-0000    |
|  | 10 Mbps Ethernet          | ✓                | ✓           | ✓        | ✓       | ✓           | ✓               | ✓        | ✓       | Complies with IEEE 802.3 10Base-T                                                  | 100-0184 | 100-0184-0000    |
|  | 10/100 Mbps Ethernet      | ✓                | ✓           | ✓        | ✓       | ✓           | ✓               | ✓        | ✓       | Complies with IEEE 802.3u 100Base-TX, IEEE 802.3 10Base-T                          | 100-0185 | 100-0185-0000    |
|  | 100 Mbps Ethernet         | ✓                | ✓           | ✓        | ✓       | ✓           | ✓               | ✓        | ✓       | Complies with IEEE 802.3 100Base-TX                                                | 100-0186 | 100-0186-0000    |
|  | 10 Mbps Ethernet          | ✓                | ✓           | ✓        | ✓       | ✓           | ✓               | ✓        | ✓       | Complies with IEEE 802.3 10Base-T                                                  | 100-0187 | 100-0187-0000    |
|  | 10/100 Mbps Ethernet      | ✓                | ✓           | ✓        | ✓       | ✓           | ✓               | ✓        | ✓       | Complies with IEEE 802.3u 100Base-TX, IEEE 802.3 10Base-T                          | 100-0188 | 100-0188-0000    |
|  | 100 Mbps Ethernet         | ✓                | ✓           | ✓        | ✓       | ✓           | ✓               | ✓        | ✓       | Complies with IEEE 802.3 100Base-TX                                                | 100-0189 | 100-0189-0000    |
|  | 10 Mbps Ethernet          | ✓                | ✓           | ✓        | ✓       | ✓           | ✓               | ✓        | ✓       | Complies with IEEE 802.3 10Base-T                                                  | 100-0190 | 100-0190-0000    |
|  | 10/100 Mbps Ethernet      | ✓                | ✓           | ✓        | ✓       | ✓           | ✓               | ✓        | ✓       | Complies with IEEE 802.3u 100Base-TX, IEEE 802.3 10Base-T                          | 100-0191 | 100-0191-0000    |
|  | 100 Mbps Ethernet         | ✓                | ✓           | ✓        | ✓       | ✓           | ✓               | ✓        | ✓       | Complies with IEEE 802.3 100Base-TX                                                | 100-0192 | 100-0192-0000    |
|  | 10 Mbps Ethernet          | ✓                | ✓           | ✓        | ✓       | ✓           | ✓               | ✓        | ✓       | Complies with IEEE 802.3 10Base-T                                                  | 100-0193 | 100-0193-0000    |
|  | 10/100 Mbps Ethernet      | ✓                | ✓           | ✓        | ✓       | ✓           | ✓               | ✓        | ✓       | Complies with IEEE 802.3u 100Base-TX, IEEE 802.3 10Base-T                          | 100-0194 | 100-0194-0000    |
|  | 100 Mbps Ethernet         | ✓                | ✓           | ✓        | ✓       | ✓           | ✓               | ✓        | ✓       | Complies with IEEE 802.3 100Base-TX                                                | 100-0195 | 100-0195-0000    |
|  | 10 Mbps Ethernet          | ✓                | ✓           | ✓        | ✓       | ✓           | ✓               | ✓        | ✓       | Complies with IEEE 802.3 10Base-T                                                  | 100-0196 | 100-0196-0000    |
|  | 10/100 Mbps Ethernet      | ✓                | ✓           | ✓        | ✓       | ✓           | ✓               | ✓        | ✓       | Complies with IEEE 802.3u 100Base-TX, IEEE 802.3 10Base-T                          | 100-0197 | 100-0197-0000    |
|  | 100 Mbps Ethernet         | ✓                | ✓           | ✓        | ✓       | ✓           | ✓               | ✓        | ✓       | Complies with IEEE 802.3 100Base-TX                                                | 100-0198 | 100-0198-0000    |
|  | 10 Mbps Ethernet          | ✓                | ✓           | ✓        | ✓       | ✓           | ✓               | ✓        | ✓       | Complies with IEEE 802.3 10Base-T                                                  | 100-0199 | 100-0199-0000    |
|  | 10/100 Mbps Ethernet      | ✓                | ✓           | ✓        | ✓       | ✓           | ✓               | ✓        | ✓       | Complies with IEEE 802.3u 100Base-TX, IEEE 802.3 10Base-T                          | 100-0200 | 100-0200-0000    |
|  | 100 Mbps Ethernet         | ✓                | ✓           | ✓        | ✓       | ✓           | ✓               | ✓        | ✓       | Complies with IEEE 802.3 100Base-TX                                                | 100-0201 | 100-0201-0000    |
|  | 10 Mbps Ethernet          | ✓                | ✓           | ✓        | ✓       | ✓           | ✓               | ✓        | ✓       | Complies with IEEE 802.3 10Base-T                                                  | 100-0202 | 100-0202-0000    |
|  | 10/100 Mbps Ethernet      | ✓                | ✓           | ✓        | ✓       | ✓           | ✓               | ✓        | ✓       | Complies with IEEE 802.3u 100Base-TX, IEEE 802.3 10Base-T                          | 100-0203 | 100-0203-0000    |
|  | 100 Mbps Ethernet         | ✓                | ✓           | ✓        | ✓       | ✓           | ✓               | ✓        | ✓       | Complies with IEEE 802.3 100Base-TX                                                | 100-     |                  |



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, **e!COCKPIT** or Web-Based Management user interface
- Maintenance-free

## Technical data

## Communications

- 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
- RS-232 serial interface
- RS-485 interface
- BACnet/IP, **requires an additional license**
- EtherCAT, **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 (additional license as slave or master)<br>IEC 61850 (additional license as Client or Server)<br>DNP3 (additional license as Slave or Master)                                                                  |
| Visualization                                     | Web-Visu                                                                                                                                                                                                                 |
| Operating system                                  | Real-time Linux (with PREEMPT_RT 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                                                                                                |
| Transmission 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.)                 | 250                                                                                                                                                                                                                      |
| Number of modules without a bus extension (max.)  | 64                                                                                                                                                                                                                       |
| Input and output process image (internal) max.    | 1000 words/1000 words                                                                                                                                                                                                    |
| Input and output process image (Modbus®) max.     | CODESYS V2: 1000 words/1000 words; CODESYS V3: 32000 words/32000 words                                                                                                                                                   |
| Indicators                                        | LED (SYS, RUN, I/O, U1 ... U7) red/green/orange: Status of system, program, local data bus, status programmable by user (can be used via CODESYS library); LED (A, 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 |
| Connection technology: system supply          | 2 x CAGE CLAMP®                                                                                                                                 |
| Connection technology: field supply           | 6 x CAGE CLAMP®                                                                                                                                 |
| Connectable conductor materials               | Copper                                                                                                                                          |
| 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             | 214.8 g                      |
| Color              | light gray                   |
| Housing material   | Polycarbonate; polyamide 6.6 |
| Conformity marking | CE                           |

| Environmental requirements                                                         |                                                                                                                     |
|------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|
| Ambient temperature (operation)                                                    | 0 ... +55 °C                                                                                                        |
| Ambient temperature (storage)                                                      | -25 ... +85 °C                                                                                                      |
| Protection type                                                                    | IP20                                                                                                                |
| Pollution degree                                                                   | 2 per IEC 61131-2                                                                                                   |
| Operating altitude                                                                 | without temperature derating: 0 ... 2000 m; with temperature derating: 2000 ... 5000 m (0.5 K/100 m); 5000 m (max.) |
| Relative humidity (without condensation)                                           | 95 %                                                                                                                |
| Mounting position                                                                  | Horizontal left, horizontal right, horizontal top, horizontal bottom, vertical top and vertical bottom              |
| 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                                                                          | 2.523 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 9.0              | EC000236      |
| ETIM 8.0              | EC000236      |
| PU (SPU)              | 1 pcs         |
| Packaging type        | Box           |
| Country of origin     | DE            |
| GTIN                  | 4055143758789 |
| 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)        | cdb3fb17-40de-4401-b69f-a4eba7617a35                                                                                                                                     |
| SCIP notification number (Belgium)        | 9df949dc-8215-49fb-bc3d-b8138adf3d54                                                                                                                                     |
| SCIP notification number (Bulgaria)       | 5e2cc238-0b57-44f5-841a-914b9a9106db                                                                                                                                     |
| SCIP notification number (Czech Republic) | 6f2ec62b-b1d7-41fd-bd08-53f1f066579b                                                                                                                                     |
| SCIP notification number (Denmark)        | dda30b2f-13b4-4ba2-8217-5f0911ac8064                                                                                                                                     |
| SCIP notification number (Finland)        | bfb94d6c-4452-4dc4-98bf-4cf30aeadaf9                                                                                                                                     |
| SCIP notification number (France)         | db8dc1da-3777-4580-86fe-b255678ad3e9                                                                                                                                     |
| SCIP notification number (Germany)        | cdb9d8e9-1c7c-4cb5-82a9-d1a354436f8c                                                                                                                                     |
| SCIP notification number (Hungary)        | f8f5a668-40a0-464c-b631-0b54aaa609d9                                                                                                                                     |
| SCIP notification number (Italy)          | 3e3ff0a4-e76c-467a-a261-16166081f0f4                                                                                                                                     |
| SCIP notification number (Netherlands)    | 610f023d-547b-4525-a177-f59d1b13f66                                                                                                                                      |
| SCIP notification number (Poland)         | 03c368e7-1dea-4f72-9fd1-9476580f0177                                                                                                                                     |
| SCIP notification number (Romania)        | 37a892a9-87c6-421a-9519-f669f4cd6102                                                                                                                                     |
| SCIP notification number (Sweden)         | 88ce2c4e-8c0c-411c-a562-f03f7e9471cd                                                                                                                                     |

| Approvals / Certificates                                                                                                                                                                                                                                   |                        |                                                            |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|------------------------------------------------------------|
| General approvals                                                                                                                                                                                                                                          |                        | Declarations of conformity and manufacturer's declarations |
|    |                        |                                                            |
| Approval                                                                                                                                                                                                                                                   | Standard               | Certificate Name                                           |
| EAC<br>GZO Almaty Standart                                                                                                                                                                                                                                 | TP TC 020/2011         | EAC CoC 03083                                              |
| KC<br>National Radio Research Agency                                                                                                                                                                                                                       | Article 58-2, Clause 3 | MSIP-REM-W43-PFC750                                        |
| UL<br>Underwriters Laboratories Inc. (ORDINARY LOCATIONS)                                                                                                                                                                                                  | -                      | E175199                                                    |
| Approval                                                                                                                                                                                                                                                   | Standard               | Certificate Name                                           |
| EU-Declaration of Confor-<br>mity<br>WAGO GmbH & Co. KG                                                                                                                                                                                                    | -                      | -                                                          |
| UK-Declaration of Confor-<br>mity<br>WAGO GmbH & Co. KG                                                                                                                                                                                                    | -                      | -                                                          |



Approvals for marine applications

|       |                                    |                   |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|-------------------|
|                                                                                                                                                                                                                                                                                                                                           |                                    |                   |
| Approval                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Standard                           | Certificate Name  |
| ABS<br>American Bureau of Ship-<br>ping                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | -                                  | 22-2219060        |
| BSH<br>Bundesamt fuer See-<br>schifffahrt und Hydrogra-<br>phie                                                                                                                                                                                                                                                                                                                                                                                                                                            | -                                  | 1104              |
| BV<br>Bureau Veritas S.A.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Rules for class. of Steel<br>Ships | 66711/A0          |
| DNV<br>DNV GL SE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | DNV-CG-0339,Aug.2021               | TAA0000194        |
| KR<br>Korean Register of Ship-<br>ping                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | -                                  | KR HMB05880-AC001 |
| LR<br>Lloyds Register EMEA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | -                                  | LR22180952TA      |
| PRS<br>Polski Rejestr Statków                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | -                                  | TE/1101/880590/23 |
| RINA<br>RINA Germany GmbH                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | -                                  | ELE343521XG001    |

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)         |
| 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                                 |
| KTL<br>Korea Testing Laboratory                                                                                                                                                                                                                                                                                                              | KOSHA Article 34,<br>IEC60079-0 | 21-KA4BO-0557X                                |
| 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                                       |

Downloads

Environmental Product Compliance

| Compliance Search                            |
|----------------------------------------------|
| Environmental Product<br>Compliance 750-8212 |

Documentation

| Manual                                                                  |                                                          |                   |  |
|-------------------------------------------------------------------------|----------------------------------------------------------|-------------------|--|
| WAGO Solution Builder                                                   |                                                          |                   |  |
| Function Manual for<br>Controller PFC100/<br>PFC200 2nd Generati-<br>on | 802945675   2   en-US  <br>8/6/2024 09:58<br>07.08.2024  | pdf<br>4053.13 KB |  |
| Cyber Security for Con-<br>troller PFC100 /<br>PFC200                   | V 1.2.0                                                  | pdf<br>8128.80 KB |  |
| Product Manual<br>PFC200 G2 2ETH RS                                     | 2100861323   2   en-US<br>  8/6/2024 10:00<br>07.08.2024 | pdf<br>3099.43 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 |  |

| Manual                                                            |                       |                    |  |
|-------------------------------------------------------------------|-----------------------|--------------------|--|
| Product Manual Docu-<br>mentation WAGO Solu-<br>tion Builder      | V 2.1.1<br>22.10.2024 | pdf<br>11220.54 KB |  |
| 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 |                       |                    |  |



| Compatibility Information       |                       |                  |                   |
|---------------------------------|-----------------------|------------------|-------------------|
| Compatibility List DALI Sensors | V 1.2.3<br>10.01.2024 | pdf<br>515.82 KB | <a href="#">↓</a> |

| Tutorial                                       |                   |                    |                   |
|------------------------------------------------|-------------------|--------------------|-------------------|
| 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> |
| Installation Tutorial Application Controller   |                   | mp4<br>29848.12 KB | <a href="#">↓</a> |

| Bid Text                        |            |                  |                   |
|---------------------------------|------------|------------------|-------------------|
| Tender text Lighting Management |            | doc<br>78.50 KB  | <a href="#">↓</a> |
| 750-8212                        | 19.02.2019 | xml<br>9.88 KB   | <a href="#">↓</a> |
| 750-8212                        | 21.11.2018 | docx<br>21.85 KB | <a href="#">↓</a> |
| ausschreiben.de 750-8212        |            |                  | <a href="#">↓</a> |

| 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> |

| Additional Information                        |                       |                   |                   |
|-----------------------------------------------|-----------------------|-------------------|-------------------|
| Wiring-Instructions                           | 2.1.0<br>28.07.2022   | pdf<br>2541.41 KB | <a href="#">↓</a> |
| Drawing Lighting Management maximum expansion | 19.06.2018            | pdf<br>1168.50 KB | <a href="#">↓</a> |
| Drawing Lighting Management minimum expansion | 19.06.2018            | pdf<br>464.61 KB  | <a href="#">↓</a> |
| WAGO OPC UA Server                            | V 1.1.0<br>28.01.2021 | pdf<br>1132.87 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> |
| Erreichen der Linuxkonsole des PFC200 (a100701)                                                    | 1.0.0<br>29.08.2016      | zip<br>509.13 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> |
| Application Note CoDeSys 2.3                                                                       |                          |                    |  |                   |
| 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 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 CoDeSys 2.3                                      |                          |                    |                   |
|-------------------------------------------------------------------|--------------------------|--------------------|-------------------|
| 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: 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 Igs robolink            | 12.11.2015<br>12.11.2015 | zip<br>1281.38 KB  | <a href="#">↓</a> |

| Application Note e!COCKPIT                                                      |                          |                    |                   |
|---------------------------------------------------------------------------------|--------------------------|--------------------|-------------------|
| e!COCKPIT 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 Application Note BACnet PFC                                           | 1.0.0<br>06.12.2021      | pdf<br>3323.56 KB  | <a href="#">↓</a> |
| e!COCKPIT AppNote GENibus (a2021003)                                            | 1.0.1<br>06.12.2021      | pdf<br>755.13 KB   | <a href="#">↓</a> |
| e!COCKPIT Application Note WAGO Cloud Building Operation and Control (a2021008) | 1.0.0                    | pdf<br>1532.72 KB  | <a href="#">↓</a> |
| e!COCKPIT Anwendungshinweis Thies Wettersensoren (a2021014)                     | 2021-12-06<br>06.12.2021 | zip<br>924.51 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)                       | 20240828<br>28.08.2024   | zip<br>4897.49 KB  | <a href="#">↓</a> |

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

| Engineering-Software                                        |                           |                     |                   |
|-------------------------------------------------------------|---------------------------|---------------------|-------------------|
| Configuration and Commissioning Software                    |                           |                     |                   |
| CODESYS V3.5                                                |                           | png<br>315.13 KB    | <a href="#">↓</a> |
| 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> |
| WAGOUpload                                                  | 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 | <a href="#">↓</a> |
| PFC200, Firmware Update für CoDeSys V3.5                         | V 23<br>24.02.2023     | zip<br>167985.38 KB | <a href="#">↓</a> |
| WUP Update (WAGOuploadTool) PFC100/200 Codesys V2.3 u. Elcockpit | V 22 SP1<br>12.12.2022 | zip<br>203580.70 KB | <a href="#">↓</a> |

Device Files

| Device Driver                     |            |                |                   |
|-----------------------------------|------------|----------------|-------------------|
| KNX Interface Lighting Management | 29.01.2018 | zip<br>2.03 KB | <a href="#">↓</a> |

Libraries

| Plugin                            |                       |                   |                   |
|-----------------------------------|-----------------------|-------------------|-------------------|
| WAGO KNX DCA (Device Control App) | 1.0.0.6<br>23.08.2024 | zip<br>5468.60 KB | <a href="#">↓</a> |

| Library                                         |                     |                   |                   |
|-------------------------------------------------|---------------------|-------------------|-------------------|
| Anbindung von RFID-Transpondern Fa. SICK RFU6xx |                     | txt<br>0.00 KB    | <a href="#">↓</a> |
| WagoConfigToolLIB                               | 1.0.0<br>08.10.2013 | pdf<br>340.92 KB  | <a href="#">↓</a> |
| WagoLibLed                                      | 1.0.0               | pdf<br>504.39 KB  | <a href="#">↓</a> |
| WagoLibNetSnmpManager                           | 1.1.0               | pdf<br>1090.83 KB | <a href="#">↓</a> |
| WagoLibDiagnosticIDs                            | 1.0.0               | pdf<br>291.17 KB  | <a href="#">↓</a> |
| WagoLibCpuUsage                                 | 1.0.0               | pdf<br>259.51 KB  | <a href="#">↓</a> |
| Library WagoLib-Cloud_02.lib                    | 2.2.4<br>21.01.2020 | zip<br>56.21 KB   | <a href="#">↓</a> |
| WAGO_Datalogger_02.lib                          | 2.7<br>20.05.2020   | zip<br>662.90 KB  | <a href="#">↓</a> |

1 Compatible Products

1.1 Product Expansions

1.1.1 Runtime software

|                                                                                                                                                                                          |                                                                                                                                                                                             |                                                                                                                                                                                          |                                                                                                                                                                                                |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <br><b>Item No.: 2759-2283/211-1000</b><br>Runtime; BACnet; 300; M; Single License; Online activation | <br><b>Item No.: 2759-2273/211-1000</b><br>Runtime; BACnet; 300; S; Single License; Online activation    | <br><b>Item No.: 2759-283/211-1000</b><br>Runtime; BACnet; 300; Single License; Online activation    | <br><b>Item No.: 2759-2243/211-1000</b><br>Runtime; DNP3 Master; M; Single License; Online activation     |
| <br><b>Item No.: 2759-2290/211-1000</b><br>Runtime; DNP3 Slave; Single License; Online activation     | <br><b>Item No.: 2759-293/211-1000</b><br>Runtime; IEC60870 Master; M; Single License; Online activation | <br><b>Item No.: 2759-290/211-1000</b><br>Runtime; IEC60870 Slave; Single License; Online activation | <br><b>Item No.: 2759-2243/211-1000</b><br>Runtime; IEC61850 Client; M; Single License; Online activation |



1.1.1 Runtime software



**Item No.: 2759-2240/211-1000**  
Runtime; IEC61850 Server; Single License; Online activation



**Item No.: 2759-248/211-1000**  
Runtime; Multi Cloud Connectivity; Single License; Online activation



**Item No.: 2759-247/211-1000**  
Runtime; Sparkplug; Single License; Online activation

1.2 Optional Accessories

1.2.1 Cables and connectors

1.2.1.1 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

1.2.2 Communication

1.2.2.1 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

1.2.3 DIN-rail

1.2.3.1 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; unslopped; 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



1.2.3.1 Mounting accessories



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



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



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



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

1.2.4 Marking

1.2.4.1 Group marker carrier



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

1.2.4.2 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



**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

1.2.4.3 Marker carrier



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



1.2.5 Memory card

1.2.5.1 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

1.2.6 Shield termination

1.2.6.1 Shield clamping saddles



**Item No.: 790-108**  
Shield clamping saddle; 11 mm wide; dia-  
meter 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; dia-  
meter 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; dia-  
meter 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 com-  
patible conductor

1.2.7 Software

1.2.7.1 Basic version



**Item No.: 2759-101/1110-4000**  
e!COCKPIT; Buy-out License

**Item No.: 2759-101/1110-2005**  
e!COCKPIT; Multi-User License; 05 pcs

**Item No.: 2759-101/1110-2010**  
e!COCKPIT; Multi-User License; 10 pcs

**Item No.: 2759-101/1110-2015**  
e!COCKPIT; Multi-User License; 15 pcs



**Item No.: 2759-101/1110-2020**  
e!COCKPIT; Multi-User License; 20 pcs

**Item No.: 2759-101/1110-3000**  
e!COCKPIT; Site License

**Item No.: 2759-101/1110-2002**  
e!COCKPIT; Workstation License

1.2.7.2 Runtime software



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

1.2.7.3 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 Li-  
cense; 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



1.2.7.3 Software Application



**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

1.2.8 System enclosure

1.2.8.1 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



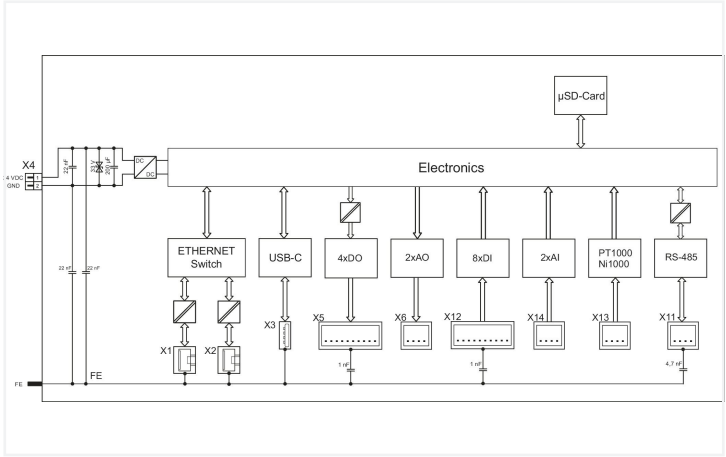
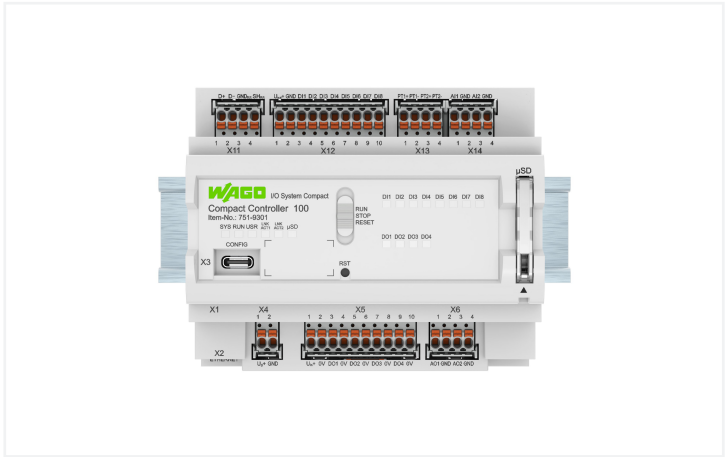
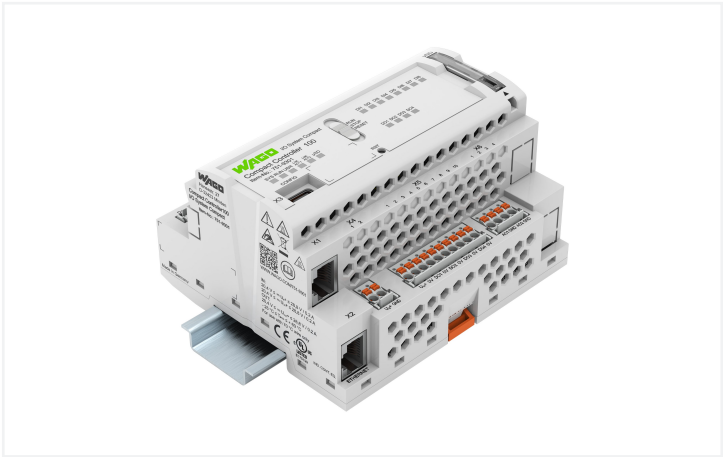
**Item No.: 850-815/002-000**  
IP65 enclosure; Sheet steel (RAL 7035); WxHxD (300x120x200 mm); without flange plate

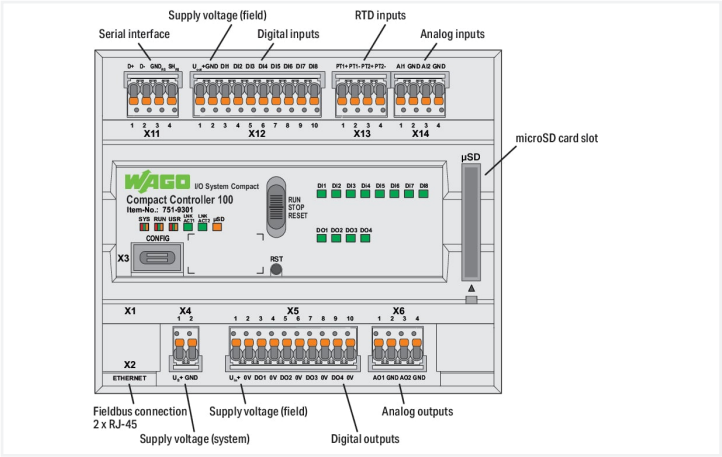


**Item No.: 850-816/002-000**  
IP65 enclosure; Sheet steel (RAL 7035); WxHxD (400x120x200 mm); without flange plate



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







The Compact Controller 100, with a real-time Linux® operating system, gives users maximum freedom. This compact device is freely programmable with CODESYS V3, but can also be used for IEC 61131-independent engineering, for instance with Node-RED, Python or C++. Later installation of Docker® as a virtualization environment is also straightforward. This addition makes the Compact Controller 100 a full-fledged IIoT device with gateway functionality. In this way, WAGO combines the requirements of two different domains within one device in the best possible way, bringing its expertise to bear where “automation meets IT.” Another advantage of the Compact Controller 100: Thanks to its design as a DIN-rail builtin installation device per DIN 43880, it can also be mounted in small distribution boards. The I/O unit is housed with the controller in a compact enclosure, so it requires no additional space for other control components. The wiring interface is removable, providing advantages for installation and commissioning.

The Benefits for You:

- Quick, easy, flexible engineering
- Controller with real-time Linux® operating system
- Compact controller with I/Os in a DIN-rail-mount device housing

| Technical data                               |                                                                                                                                                                                                                                                                                                                |
|----------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Communications                               | Modbus (TCP, UDP)<br>EtherCAT® Master<br>EtherNet/IP™ Adapter (slave)<br>EtherNet/IP™ Scanner<br>Modbus RTU<br>RS-485 interface<br>OPC UA Server/Client<br>MQTT<br>Telecontrol protocols, <b>requires an additional license</b><br>BACnet/IP, <b>requires an additional license</b>                            |
| ETHERNET protocols                           | 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 (with PREEMPT_RT patch)                                                                                                                                                                                                                                                                        |
| CPU                                          | Cortex A7; 650 MHz                                                                                                                                                                                                                                                                                             |
| 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<br>Node RED                                                                                                                                                                                                                                                                                       |
| Configuration options                        | CODESYS V3.5<br>Ethernet Settings<br>Web-Based Management<br>WAGOupload<br>WAGO Solution Builder                                                                                                                                                                                                               |
| Transmission 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                               | 32 MB                                                                                                                                                                                                                                                                                                          |
| Data memory                                  | 128 MB                                                                                                                                                                                                                                                                                                         |
| Non-volatile software memory                 | 128 KB                                                                                                                                                                                                                                                                                                         |
| Type of memory card                          | microSD up to 32 GB (all guaranteed properties only valid with WAGO's memory card)                                                                                                                                                                                                                             |
| Memory Card Slot                             | Push-push mechanism                                                                                                                                                                                                                                                                                            |
| Indicators                                   | LED (SYS, RUN), red/green: Status of system; LED (USR) red/green: User programmable status (can be used via CODESYS library); LED (SD) orange: Status of microSD; LED (LNK/ACT) green: Network connection via ports 1 ... 2; LED (DI1 ... 8) green: Status of inputs; LED (DO1 ... 4) green: Status of outputs |
| Control Elements                             | Operating mode switch (RUN, STOP, RESET); reset button                                                                                                                                                                                                                                                         |
| Supply voltage (system)                      | 24 VDC (-15 ... +20 %); via pluggable connector ( <i>picoMAX</i> ® 3.5; Push-in CAGE CLAMP® connection)                                                                                                                                                                                                        |



| Technical data                                                        |                                                                                                         |
|-----------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|
| Current consumption (system) max.                                     | 500 mA                                                                                                  |
| Supply voltage (field)                                                | 24 VDC (-15 ... +20 %); via pluggable connector ( <i>picoMAX</i> ® 3.5; Push-in CAGE CLAMP® connection) |
| Current consumption (field) max. (digital outputs, U <sub>in</sub> +) | 2000 mA                                                                                                 |
| Isolation                                                             | 1250 V (DC 1 min., between system and field level (digital outputs))                                    |
| Number of digital inputs                                              | 8                                                                                                       |
| Input characteristic                                                  | Type 3 (per EN 61131-2)                                                                                 |
| Number of digital outputs                                             | 4                                                                                                       |
| Output current (per channel)                                          | 500 mA (DC)                                                                                             |
| Output current                                                        | short-circuit-protected                                                                                 |
| Signal type                                                           | Voltage<br>Resistance measurement                                                                       |
| Signal type (voltage)                                                 | 0 ... 10 VDC                                                                                            |
| Number of analog inputs                                               | 2                                                                                                       |
| Resolution of analog inputs                                           | 16 bits                                                                                                 |
| Number of analog outputs                                              | 2                                                                                                       |
| Resolution of analog outputs                                          | 12 bits                                                                                                 |
| Load impedance (voltage output)                                       | ≥ 5 kΩ                                                                                                  |
| Number of measurement inputs                                          | 2                                                                                                       |
| Temperature range                                                     | -60 ... 350 °C, Pt1000, Ni1000                                                                          |

| Connection data                               |                                                                                                   |
|-----------------------------------------------|---------------------------------------------------------------------------------------------------|
| Connection technology: communication/fieldbus | Modbus (TCP, UDP); 2 x RJ-45; RS-485 interface: 1 x Female connector, 4-pole; Push-in CAGE CLAMP® |
| Connection technology: system supply          | 1 x Female connector, 2-pole; Push-in CAGE CLAMP®                                                 |
| Connection technology: field supply           | 2 x Female connector, 10-pole; Push-in CAGE CLAMP®                                                |
| Solid conductor                               | 0.2 ... 1.5 mm² / 24 ... 14 AWG                                                                   |
| Fine-stranded conductor                       | 0.2 ... 1.5 mm² / 24 ... 14 AWG                                                                   |
| Strip length                                  | 8 ... 9 mm / 0.31 ... 0.35 inches                                                                 |

| Physical data                     |                       |
|-----------------------------------|-----------------------|
| Width                             | 108 mm / 4.252 inches |
| Height                            | 90 mm / 3.543 inches  |
| Depth from upper-edge of DIN-rail | 55 mm / 2.165 inches  |

| Mechanical data    |                         |
|--------------------|-------------------------|
| Weight             | 190 g                   |
| Housing material   | Polycarbonate, polyamid |
| Conformity marking | CE; UKCA                |

| Environmental requirements               |                              |
|------------------------------------------|------------------------------|
| Ambient temperature (operation)          | -25 ... +60 °C               |
| Ambient temperature (storage)            | -40 ... +85 °C               |
| Protection type                          | IP20                         |
| Pollution degree                         | 2 per IEC 61131-2            |
| Operating altitude                       | 0 ... 2000 m / 0 ... 6562 ft |
| Relative humidity (without condensation) | 95 %                         |
| Mounting position                        | any                          |
| Mounting type                            | DIN-35 rail                  |
| Vibration resistance                     | 1g per IEC 60068-2-6         |
| Shock resistance                         | 15g per IEC 60068-2-27       |
| EMC immunity to interference             | per EN 61000-6-2             |
| EMC emission of interference             | per EN 61000-6-3             |



| Environmental requirements |      |
|----------------------------|------|
| Fire load                  | 0 MJ |

| Commercial data       |               |
|-----------------------|---------------|
| ETIM 9.0              | EC000236      |
| ETIM 8.0              | EC000236      |
| PU (SPU)              | 1 pcs         |
| Packaging type        | Box           |
| Country of origin     | DE            |
| GTIN                  | 4066966192865 |
| Customs tariff number | 85371091990   |

| Environmental Product Compliance          |                                                    |
|-------------------------------------------|----------------------------------------------------|
| REACH Candidate List Substance            | Perfluorobutane sulfonic acid (PFBS) and its salts |
| RoHS Compliance Status                    | Compliant, No Exemption                            |
| SCIP notification number (Austria)        | 13e43657-c079-4877-9572-133b61a75030               |
| SCIP notification number (Belgium)        | 88db0a66-266c-4eee-8bc0-ca9419ffa2ce               |
| SCIP notification number (Bulgaria)       | 11dc09ae-19b1-4f53-a36d-08c843f71d7a               |
| SCIP notification number (Czech Republic) | bec5377d-5859-41c6-b4cb-48c5d05e2a75               |
| SCIP notification number (Denmark)        | e9279165-016d-453f-9dcc-3276a5d77b81               |
| SCIP notification number (Finland)        | 9e16130a-1548-4524-851e-73aef0bf2f7d               |
| SCIP notification number (France)         | 3c08470f-91e2-4da4-9406-fb48097d5db5               |
| SCIP notification number (Germany)        | 5d894a4c-6de8-4534-98b1-627be0119caf               |
| SCIP notification number (Hungary)        | d58f4caf-ceb4-4db3-9661-bea780fa2c68               |
| SCIP notification number (Italy)          | 38077f8a-efe7-497e-89aa-70f38853d1bf               |
| SCIP notification number (Netherlands)    | 87a8e65c-e155-4a98-8930-8cb1aff7c42                |
| SCIP notification number (Poland)         | 365a1927-9cc7-48b5-abfb-cb13c9ef76f4               |
| SCIP notification number (Romania)        | 3b91c177-6f13-4542-89b8-455ac81906cb               |
| SCIP notification number (Sweden)         | dd94e5b3-71a4-44f4-ad14-2ccabcc82a1c               |

| Approvals / Certificates                                                           |                |                                                            |
|------------------------------------------------------------------------------------|----------------|------------------------------------------------------------|
| General approvals                                                                  |                | Declarations of conformity and manufacturer's declarations |
|  |                |                                                            |
| Approval                                                                           | Standard       | Certificate Name                                           |
| EAC<br>GZO Almaty Standart                                                         | TP TC 020/2011 | EAC CoC 03083                                              |
| UL<br>Underwriters Laboratories Inc. (ORDINARY LOCATIONS)                          | UL 61010-2-201 | E175199                                                    |
| Approval                                                                           | Standard       | Certificate Name                                           |
| EU-Declaration of Conformity<br>WAGO GmbH & Co. KG                                 | -              | -                                                          |
| UK-Declaration of Conformity<br>WAGO GmbH & Co. KG                                 | -              | -                                                          |

| Approvals for marine applications                                                  |                        |                  |
|------------------------------------------------------------------------------------|------------------------|------------------|
|  |                        |                  |
| Approval                                                                           | Standard               | Certificate Name |
| DNV<br>DNV GL SE                                                                   | DNV-CG-0339, Aug. 2021 | DNV TAA00003G6   |



| Downloads                                 |  |  |                   |
|-------------------------------------------|--|--|-------------------|
| Environmental Product Compliance          |  |  |                   |
| Compliance Search                         |  |  |                   |
| Environmental Product Compliance 751-9301 |  |  | <a href="#">↓</a> |

| Documentation                         |                     |                                                         |                                       |
|---------------------------------------|---------------------|---------------------------------------------------------|---------------------------------------|
| Manual                                |                     | System Description                                      |                                       |
| Product Manual Compact Controller 100 | 1.7.0<br>16.08.2024 | pdf<br>2190.55 KB                                       | <a href="#">↓</a>                     |
|                                       |                     | Compact Controller 100, Allgemeine Produktinformationen | pdf<br>238.31 KB<br><a href="#">↓</a> |

| Bid Text |                  |                   |
|----------|------------------|-------------------|
| 751-9301 | xml<br>8.82 KB   | <a href="#">↓</a> |
| 751-9301 | docx<br>29.96 KB | <a href="#">↓</a> |

| CAD/CAE-Data          |                   |
|-----------------------|-------------------|
| CAD data              |                   |
| 2D/3D Models 751-9301 | <a href="#">↓</a> |

| Engineering-Software                     |                        |                    |                   |
|------------------------------------------|------------------------|--------------------|-------------------|
| Configuration and Commissioning Software |                        |                    |                   |
| CODESYS V3.5                             |                        | png<br>315.13 KB   | <a href="#">↓</a> |
| WAGOupload                               | 1.16.1.0<br>02.02.2022 | zip<br>12111.45 KB | <a href="#">↓</a> |

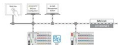
| Runtime Software                  |                    |                    |                   |
|-----------------------------------|--------------------|--------------------|-------------------|
| Firmware                          |                    |                    |                   |
| 0751-9301, Compact Controller 100 | V 23<br>30.11.2022 | zip<br>97394.03 KB | <a href="#">↓</a> |
| 751-9301; Compact Controller 100  | V 23<br>30.11.2022 | zip<br>96534.07 KB | <a href="#">↓</a> |



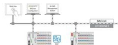
1 Compatible Products

1.1 Product Expansions

1.1.1 Runtime software



**Item No.: 2759-2283/211-1000**  
Runtime; BACnet; 300; M; Single License;  
Online activation



**Item No.: 2759-2273/211-1000**  
Runtime; BACnet; 300; S; Single License;  
Online activation



**Item No.: 2759-283/211-1000**  
Runtime; BACnet; 300; Single License;  
Online activation



**Item No.: 2759-2293/211-1000**  
Runtime; DNP3 Master; M; Single License;  
Online activation



**Item No.: 2759-2290/211-1000**  
Runtime; DNP3 Slave; Single License; On-  
line activation



**Item No.: 2759-293/211-1000**  
Runtime; IEC60870 Master; M; Single Li-  
cense; Online activation



**Item No.: 2759-290/211-1000**  
Runtime; IEC60870 Slave; Single License;  
Online activation



**Item No.: 2759-2243/211-1000**  
Runtime; IEC61850 Client; M; Single Li-  
cense; Online activation



**Item No.: 2759-2240/211-1000**  
Runtime; IEC61850 Server; Single Licen-  
se; Online activation



**Item No.: 2759-248/211-1000**  
Runtime; Multi Cloud Connectivity; Single  
License; Online activation



**Item No.: 2759-247/211-1000**  
Runtime; Sparkplug; Single License; Onli-  
ne activation

1.1.2 Software Application



**Item No.: 8101-2000/000-025**  
Application Load Management; Basic  
Software

1.2 Optional Accessories

1.2.1 Female connector

1.2.1.1 Female connector/socket



**Item No.: 2091-1130**  
1-conductor female connector; push-but-  
ton; Push-in CAGE CLAMP®; 1.5 mm²; Pin  
spacing 3.5 mm; 10-pole; 1,50 mm²; light  
gray



**Item No.: 2091-1110/002-000**  
1-conductor female connector; push-  
button; Push-in CAGE CLAMP®; 1.5 mm²;  
Pin spacing 3.5 mm; 10-pole; Gripping  
plate sliding connector release; 1,50  
mm²; light gray



**Item No.: 2091-1110**  
1-conductor female connector; push-  
button; Push-in CAGE CLAMP®; 1.5 mm²;  
Pin spacing 3.5 mm; 10-pole; Gripping  
plate; 1,50 mm²; light gray



**Item No.: 2091-1122**  
1-conductor female connector; push-but-  
ton; Push-in CAGE CLAMP®; 1.5 mm²; Pin  
spacing 3.5 mm; 2-pole; 1,50 mm²; light  
gray



**Item No.: 2091-1102/002-000**  
1-conductor female connector; push-but-  
ton; Push-in CAGE CLAMP®; 1.5 mm²; Pin  
spacing 3.5 mm; 2-pole; Gripping plate sli-  
ding connector release; 1,50 mm²; light  
gray



**Item No.: 2091-1102**  
1-conductor female connector; push-  
button; Push-in CAGE CLAMP®; 1.5 mm²;  
Pin spacing 3.5 mm; 2-pole; Gripping pla-  
te; 1,50 mm²; light gray



**Item No.: 2091-1124**  
1-conductor female connector; push-  
button; Push-in CAGE CLAMP®; 1.5 mm²;  
Pin spacing 3.5 mm; 4-pole; 1,50 mm²;  
light gray



**Item No.: 2091-1104/002-000**  
1-conductor female connector; push-but-  
ton; Push-in CAGE CLAMP®; 1.5 mm²; Pin  
spacing 3.5 mm; 4-pole; Gripping plate sli-  
ding connector release; 1,50 mm²; light  
gray



**Item No.: 2091-1104**  
1-conductor female connector; push-but-  
ton; Push-in CAGE CLAMP®; 1.5 mm²; Pin  
spacing 3.5 mm; 4-pole; Gripping plate;  
1,50 mm²; light gray



1.2.2 Memory card

1.2.2.1 Memory card



[Item No.: 758-879/000-3102](#)  
Memory Card SD Micro; 2 GByte

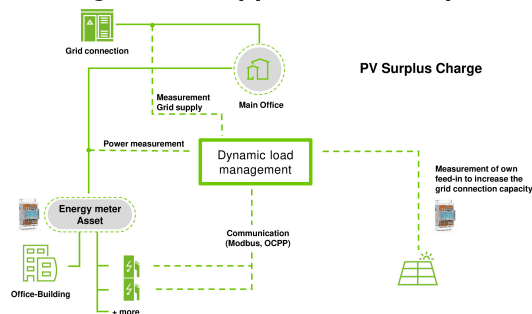
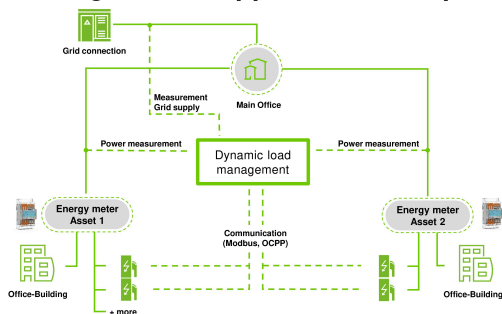
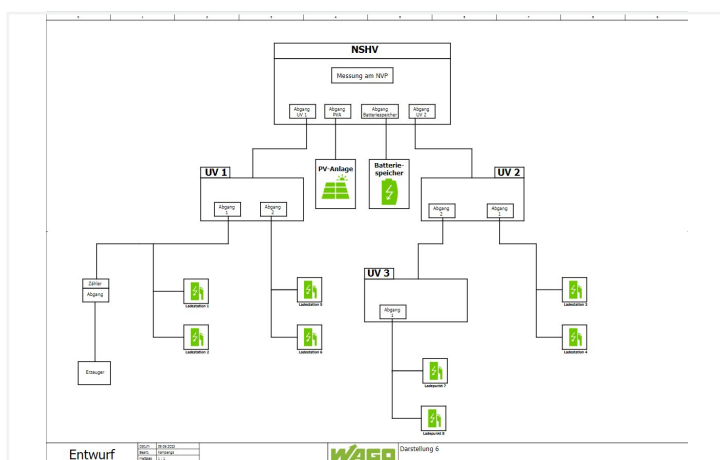
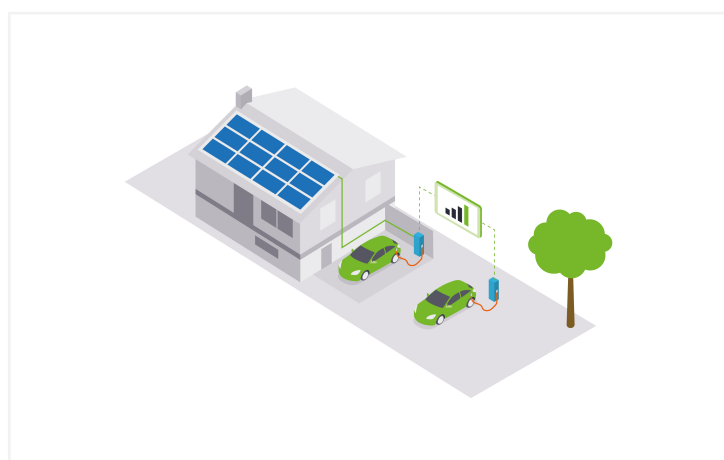
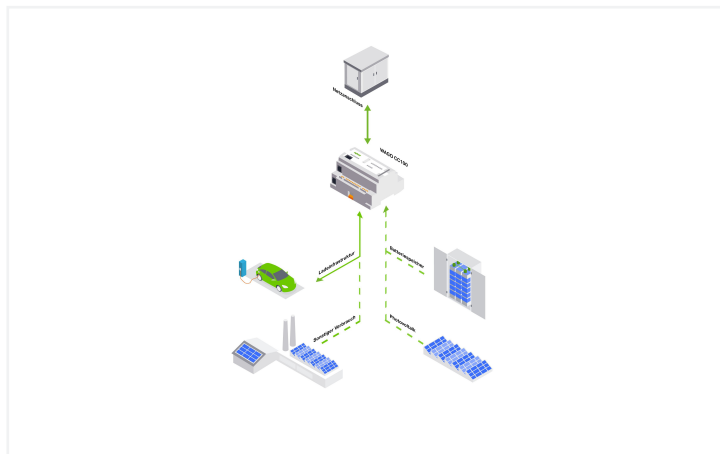
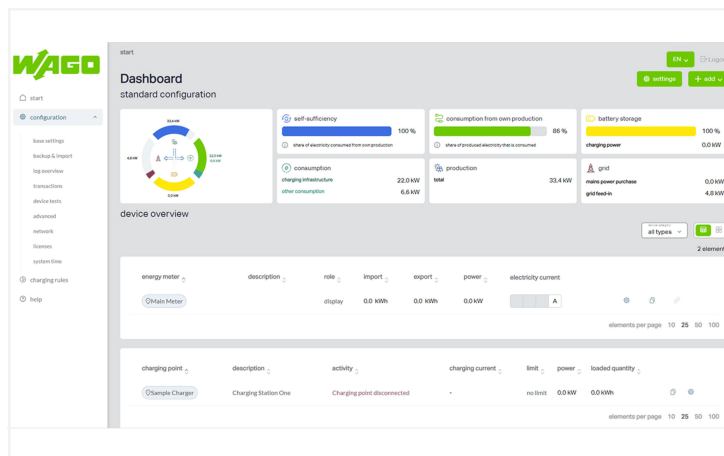
[Item No.: 758-879/000-3108](#)  
Memory Card SD Micro; pSLC-NAND; 8 GB; Temperature range: -40 to 90°C

1.2.3 Tool

1.2.3.1 Operating tool



[Item No.: 2092-1630](#)  
Unlocking tool; orange





WAGO Application Load Management is a dynamic load management system for regulating the total charging power at a grid connection point that accounts for the maximum connection capacity. This solution prevents grid connection expansion and eliminates peak loads caused by EV charging.

One license key is required per individual charging point. After receipt, the license key can be uploaded in the "Configuration" tab. This enables a charging point with dynamic load management. Counters are exempt from this; no additional license keys are required for them.

Functions through license activation:

- Intelligent vehicle charging through continuous power adjustment and use of all available capacities
- Manufacturer-independent and tailor-made solutions for your location
- Integration of every producer at the location (photovoltaics, CHP, etc.)
- Excess charging
- Charging processes by priority for different users (RFID)
- Electricity-price-dependent charging (Awattar & Tibber)

Compatible WAGO Controllers:

- 751-9301: WAGO Compact Controller 100
- 752-8303/8000-002: WAGO Edge Controller
- 750-821x: WAGO Controller PFC200; G2
- 750-821x/040-000: WAGO Controller PFC200; G2; XTR

Activate and download license keys:

<https://walm.license.wago.com/>

| Software data     |                                                                                                                                                                |
|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Supported devices | 751-9301: Compact Controller 100<br>752-8303/8000-002: WAGO Edge Controller<br>750-821x: Controller PFC200; G2<br>750-821x/040-000: Controller PFC200; G2; XTR |

| Delivery      |                                                                 |
|---------------|-----------------------------------------------------------------|
| Delivery type | License certificate and download link of the software via email |

| Commercial data       |               |
|-----------------------|---------------|
| ETIM 9.0              | EC002537      |
| ETIM 8.0              | EC002537      |
| PU (SPU)              | 1 pcs         |
| Packaging type        | not specified |
| Country of origin     | QU            |
| GTIN                  | 4066966339321 |
| Customs tariff number | 8888888888    |

| Environmental Product Compliance |                        |
|----------------------------------|------------------------|
| RoHS Compliance Status           | Compliant,No Exemption |



Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance  
8101-2000/000-025

↓

Documentation

Additional Information

Load Management for Charging Infrastructure

pdf  
557.04 KB

↓

System Software

Application Load Management

V2.6.1  
08.02.2024

zip  
759691.00 KB

↓

1 Compatible Products

1.1 Optional Accessories

1.1.1 Fieldbus controller

1.1.1.1 Compact controller



[Item No.: 751-9301](#)  
Compact Controller 100; 8DI 4DO 2AI 2AO  
2NI1K/PT1K 1RS485; 2 x ETHERNET; SD

1.1.1.2 Controller PFC200



[Item No.: 750-8211](#)  
Controller PFC200; 2nd Generation; 2 x ETHERNET, 2 x 100Base-FX



[Item No.: 750-8213](#)  
Controller PFC200; 2nd Generation; 2 x ETHERNET, CAN, CANopen



[Item No.: 750-8212](#)  
Controller PFC200; 2nd Generation; 2 x ETHERNET, RS-232/-485



[Item No.: 750-8214](#)  
Controller PFC200; 2nd Generation; 2 x ETHERNET, RS-232/-485, CAN, CANopen



[Item No.: 750-8216](#)  
Controller PFC200; 2nd Generation; 2 x ETHERNET, RS-232/-485, CAN, CANopen, PROFIBUS Slave



[Item No.: 750-8210](#)  
Controller PFC200; 2nd Generation; 4 x ETHERNET



[Item No.: 750-8215](#)  
Controller PFC200; 2nd Generation; 4 x ETHERNET, CAN, CANopen, USB-A



1.1.1.3 Controller PFC200 XTR



**Item No.: 750-8213/040-010**  
Controller PFC200; 2nd Generation; 2 x  
ETHERNET M12, CAN, CANopen; Extreme



**Item No.: 750-8211/040-000**  
Controller PFC200; 2nd Generation; 2 x  
ETHERNET, 2 x 100Base-FX; Extreme



**Item No.: 750-8216/040-000**  
Controller PFC200; 2nd Generation; 2 x  
ETHERNET, RS-232/-485, CAN, CANo-  
pen, PROFIBUS Slave; Extreme



**Item No.: 750-8212/040-000**  
Controller PFC200; 2nd Generation; 2 x  
ETHERNET, RS-232/-485; Extreme



**Item No.: 750-8210/040-000**  
Controller PFC200; 2nd Generation; 4 x  
ETHERNET; Extreme

1.1.1.4 Edge Controller



**Item No.: 752-8303/8000-002**  
Edge Controller; 2 x ETHERNET, 2 x USB, 1  
x USB-C, HDMI, CAN, DI/DO, RS-232/485,  
Audio; Control

1.1.2 Software

1.1.2.1 Software Application



**Item No.: 8101-2000/000-021**  
Application Load Management; 1 char-  
ging point



**Item No.: 8101-2000/000-023**  
Application Load Management; 15 char-  
ging points



**Item No.: 8101-2000/000-024**  
Application Load Management; 30 char-  
ging points



**Item No.: 8101-2000/000-022**  
Application Load Management; 5 char-  
ging points