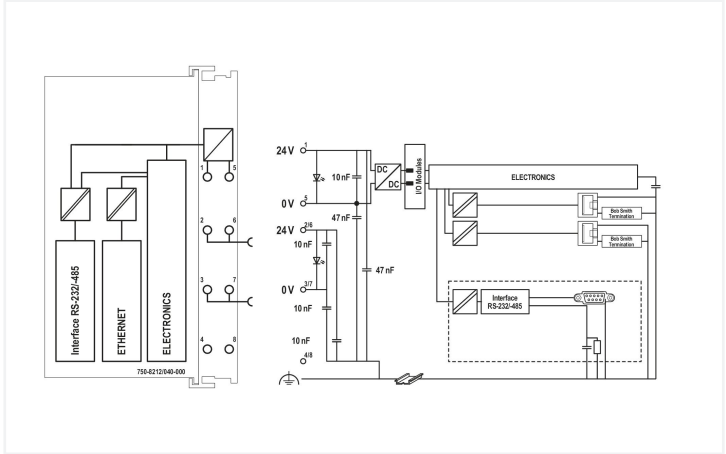
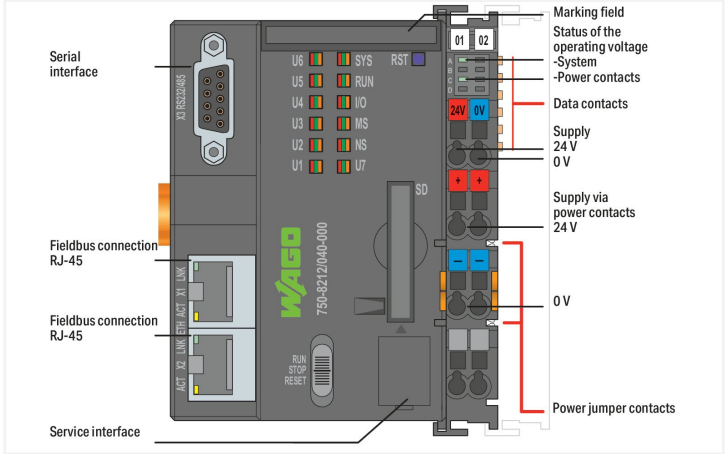




PFC200 I/O Communication Options Overview

| Option     | RS-232C | RS-485 | ETHERNET | Modbus | Profibus | Serial | Fieldbus | Power |
|------------|---------|--------|----------|--------|----------|--------|----------|-------|
| Standard   | ✓       | ✓      | ✓        | ✓      | ✓        | ✓      | ✓        | ✓     |
| Option 1   | ✓       | ✓      | ✓        | ✓      | ✓        | ✓      | ✓        | ✓     |
| Option 2   | ✓       | ✓      | ✓        | ✓      | ✓        | ✓      | ✓        | ✓     |
| Option 3   | ✓       | ✓      | ✓        | ✓      | ✓        | ✓      | ✓        | ✓     |
| Option 4   | ✓       | ✓      | ✓        | ✓      | ✓        | ✓      | ✓        | ✓     |
| Option 5   | ✓       | ✓      | ✓        | ✓      | ✓        | ✓      | ✓        | ✓     |
| Option 6   | ✓       | ✓      | ✓        | ✓      | ✓        | ✓      | ✓        | ✓     |
| Option 7   | ✓       | ✓      | ✓        | ✓      | ✓        | ✓      | ✓        | ✓     |
| Option 8   | ✓       | ✓      | ✓        | ✓      | ✓        | ✓      | ✓        | ✓     |
| Option 9   | ✓       | ✓      | ✓        | ✓      | ✓        | ✓      | ✓        | ✓     |
| Option 10  | ✓       | ✓      | ✓        | ✓      | ✓        | ✓      | ✓        | ✓     |
| Option 11  | ✓       | ✓      | ✓        | ✓      | ✓        | ✓      | ✓        | ✓     |
| Option 12  | ✓       | ✓      | ✓        | ✓      | ✓        | ✓      | ✓        | ✓     |
| Option 13  | ✓       | ✓      | ✓        | ✓      | ✓        | ✓      | ✓        | ✓     |
| Option 14  | ✓       | ✓      | ✓        | ✓      | ✓        | ✓      | ✓        | ✓     |
| Option 15  | ✓       | ✓      | ✓        | ✓      | ✓        | ✓      | ✓        | ✓     |
| Option 16  | ✓       | ✓      | ✓        | ✓      | ✓        | ✓      | ✓        | ✓     |
| Option 17  | ✓       | ✓      | ✓        | ✓      | ✓        | ✓      | ✓        | ✓     |
| Option 18  | ✓       | ✓      | ✓        | ✓      | ✓        | ✓      | ✓        | ✓     |
| Option 19  | ✓       | ✓      | ✓        | ✓      | ✓        | ✓      | ✓        | ✓     |
| Option 20  | ✓       | ✓      | ✓        | ✓      | ✓        | ✓      | ✓        | ✓     |
| Option 21  | ✓       | ✓      | ✓        | ✓      | ✓        | ✓      | ✓        | ✓     |
| Option 22  | ✓       | ✓      | ✓        | ✓      | ✓        | ✓      | ✓        | ✓     |
| Option 23  | ✓       | ✓      | ✓        | ✓      | ✓        | ✓      | ✓        | ✓     |
| Option 24  | ✓       | ✓      | ✓        | ✓      | ✓        | ✓      | ✓        | ✓     |
| Option 25  | ✓       | ✓      | ✓        | ✓      | ✓        | ✓      | ✓        | ✓     |
| Option 26  | ✓       | ✓      | ✓        | ✓      | ✓        | ✓      | ✓        | ✓     |
| Option 27  | ✓       | ✓      | ✓        | ✓      | ✓        | ✓      | ✓        | ✓     |
| Option 28  | ✓       | ✓      | ✓        | ✓      | ✓        | ✓      | ✓        | ✓     |
| Option 29  | ✓       | ✓      | ✓        | ✓      | ✓        | ✓      | ✓        | ✓     |
| Option 30  | ✓       | ✓      | ✓        | ✓      | ✓        | ✓      | ✓        | ✓     |
| Option 31  | ✓       | ✓      | ✓        | ✓      | ✓        | ✓      | ✓        | ✓     |
| Option 32  | ✓       | ✓      | ✓        | ✓      | ✓        | ✓      | ✓        | ✓     |
| Option 33  | ✓       | ✓      | ✓        | ✓      | ✓        | ✓      | ✓        | ✓     |
| Option 34  | ✓       | ✓      | ✓        | ✓      | ✓        | ✓      | ✓        | ✓     |
| Option 35  | ✓       | ✓      | ✓        | ✓      | ✓        | ✓      | ✓        | ✓     |
| Option 36  | ✓       | ✓      | ✓        | ✓      | ✓        | ✓      | ✓        | ✓     |
| Option 37  | ✓       | ✓      | ✓        | ✓      | ✓        | ✓      | ✓        | ✓     |
| Option 38  | ✓       | ✓      | ✓        | ✓      | ✓        | ✓      | ✓        | ✓     |
| Option 39  | ✓       | ✓      | ✓        | ✓      | ✓        | ✓      | ✓        | ✓     |
| Option 40  | ✓       | ✓      | ✓        | ✓      | ✓        | ✓      | ✓        | ✓     |
| Option 41  | ✓       | ✓      | ✓        | ✓      | ✓        | ✓      | ✓        | ✓     |
| Option 42  | ✓       | ✓      | ✓        | ✓      | ✓        | ✓      | ✓        | ✓     |
| Option 43  | ✓       | ✓      | ✓        | ✓      | ✓        | ✓      | ✓        | ✓     |
| Option 44  | ✓       | ✓      | ✓        | ✓      | ✓        | ✓      | ✓        | ✓     |
| Option 45  | ✓       | ✓      | ✓        | ✓      | ✓        | ✓      | ✓        | ✓     |
| Option 46  | ✓       | ✓      | ✓        | ✓      | ✓        | ✓      | ✓        | ✓     |
| Option 47  | ✓       | ✓      | ✓        | ✓      | ✓        | ✓      | ✓        | ✓     |
| Option 48  | ✓       | ✓      | ✓        | ✓      | ✓        | ✓      | ✓        | ✓     |
| Option 49  | ✓       | ✓      | ✓        | ✓      | ✓        | ✓      | ✓        | ✓     |
| Option 50  | ✓       | ✓      | ✓        | ✓      | ✓        | ✓      | ✓        | ✓     |
| Option 51  | ✓       | ✓      | ✓        | ✓      | ✓        | ✓      | ✓        | ✓     |
| Option 52  | ✓       | ✓      | ✓        | ✓      | ✓        | ✓      | ✓        | ✓     |
| Option 53  | ✓       | ✓      | ✓        | ✓      | ✓        | ✓      | ✓        | ✓     |
| Option 54  | ✓       | ✓      | ✓        | ✓      | ✓        | ✓      | ✓        | ✓     |
| Option 55  | ✓       | ✓      | ✓        | ✓      | ✓        | ✓      | ✓        | ✓     |
| Option 56  | ✓       | ✓      | ✓        | ✓      | ✓        | ✓      | ✓        | ✓     |
| Option 57  | ✓       | ✓      | ✓        | ✓      | ✓        | ✓      | ✓        | ✓     |
| Option 58  | ✓       | ✓      | ✓        | ✓      | ✓        | ✓      | ✓        | ✓     |
| Option 59  | ✓       | ✓      | ✓        | ✓      | ✓        | ✓      | ✓        | ✓     |
| Option 60  | ✓       | ✓      | ✓        | ✓      | ✓        | ✓      | ✓        | ✓     |
| Option 61  | ✓       | ✓      | ✓        | ✓      | ✓        | ✓      | ✓        | ✓     |
| Option 62  | ✓       | ✓      | ✓        | ✓      | ✓        | ✓      | ✓        | ✓     |
| Option 63  | ✓       | ✓      | ✓        | ✓      | ✓        | ✓      | ✓        | ✓     |
| Option 64  | ✓       | ✓      | ✓        | ✓      | ✓        | ✓      | ✓        | ✓     |
| Option 65  | ✓       | ✓      | ✓        | ✓      | ✓        | ✓      | ✓        | ✓     |
| Option 66  | ✓       | ✓      | ✓        | ✓      | ✓        | ✓      | ✓        | ✓     |
| Option 67  | ✓       | ✓      | ✓        | ✓      | ✓        | ✓      | ✓        | ✓     |
| Option 68  | ✓       | ✓      | ✓        | ✓      | ✓        | ✓      | ✓        | ✓     |
| Option 69  | ✓       | ✓      | ✓        | ✓      | ✓        | ✓      | ✓        | ✓     |
| Option 70  | ✓       | ✓      | ✓        | ✓      | ✓        | ✓      | ✓        | ✓     |
| Option 71  | ✓       | ✓      | ✓        | ✓      | ✓        | ✓      | ✓        | ✓     |
| Option 72  | ✓       | ✓      | ✓        | ✓      | ✓        | ✓      | ✓        | ✓     |
| Option 73  | ✓       | ✓      | ✓        | ✓      | ✓        | ✓      | ✓        | ✓     |
| Option 74  | ✓       | ✓      | ✓        | ✓      | ✓        | ✓      | ✓        | ✓     |
| Option 75  | ✓       | ✓      | ✓        | ✓      | ✓        | ✓      | ✓        | ✓     |
| Option 76  | ✓       | ✓      | ✓        | ✓      | ✓        | ✓      | ✓        | ✓     |
| Option 77  | ✓       | ✓      | ✓        | ✓      | ✓        | ✓      | ✓        | ✓     |
| Option 78  | ✓       | ✓      | ✓        | ✓      | ✓        | ✓      | ✓        | ✓     |
| Option 79  | ✓       | ✓      | ✓        | ✓      | ✓        | ✓      | ✓        | ✓     |
| Option 80  | ✓       | ✓      | ✓        | ✓      | ✓        | ✓      | ✓        | ✓     |
| Option 81  | ✓       | ✓      | ✓        | ✓      | ✓        | ✓      | ✓        | ✓     |
| Option 82  | ✓       | ✓      | ✓        | ✓      | ✓        | ✓      | ✓        | ✓     |
| Option 83  | ✓       | ✓      | ✓        | ✓      | ✓        | ✓      | ✓        | ✓     |
| Option 84  | ✓       | ✓      | ✓        | ✓      | ✓        | ✓      | ✓        | ✓     |
| Option 85  | ✓       | ✓      | ✓        | ✓      | ✓        | ✓      | ✓        | ✓     |
| Option 86  | ✓       | ✓      | ✓        | ✓      | ✓        | ✓      | ✓        | ✓     |
| Option 87  | ✓       | ✓      | ✓        | ✓      | ✓        | ✓      | ✓        | ✓     |
| Option 88  | ✓       | ✓      | ✓        | ✓      | ✓        | ✓      | ✓        | ✓     |
| Option 89  | ✓       | ✓      | ✓        | ✓      | ✓        | ✓      | ✓        | ✓     |
| Option 90  | ✓       | ✓      | ✓        | ✓      | ✓        | ✓      | ✓        | ✓     |
| Option 91  | ✓       | ✓      | ✓        | ✓      | ✓        | ✓      | ✓        | ✓     |
| Option 92  | ✓       | ✓      | ✓        | ✓      | ✓        | ✓      | ✓        | ✓     |
| Option 93  | ✓       | ✓      | ✓        | ✓      | ✓        | ✓      | ✓        | ✓     |
| Option 94  | ✓       | ✓      | ✓        | ✓      | ✓        | ✓      | ✓        | ✓     |
| Option 95  | ✓       | ✓      | ✓        | ✓      | ✓        | ✓      | ✓        | ✓     |
| Option 96  | ✓       | ✓      | ✓        | ✓      | ✓        | ✓      | ✓        | ✓     |
| Option 97  | ✓       | ✓      | ✓        | ✓      | ✓        | ✓      | ✓        | ✓     |
| Option 98  | ✓       | ✓      | ✓        | ✓      | ✓        | ✓      | ✓        | ✓     |
| Option 99  | ✓       | ✓      | ✓        | ✓      | ✓        | ✓      | ✓        | ✓     |
| Option 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

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

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

| Technical data                                   |                                                                                                                                                                                                                                                                                                                                                                                                            |
|--------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Communications                                   | Modbus TCP master/slave<br>Modbus (UDP), WagoAppPlcModbus Library<br>Modbus (RTU), WagoAppPlcModbus Library<br>ETHERNET<br>EtherNet/IP™ Adapter (slave)<br>EtherNet/IP™ Scanner<br>EtherCAT® Master<br>OPC UA Server/Client<br>OPC UA Pub/Sub (can be installed later)<br>MQTT<br>Telecontrol protocols<br>RS-232 serial interface<br>RS-485 interface<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                                                                                                                                                                                                                                                                                                                                          |
| Telecontrol protocols                            | IEC 60870<br>IEC 61850<br>DNP3                                                                                                                                                                                                                                                                                                                                                                             |
| 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!COCKPIT</b> (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!COCKPIT</b><br>WAGO-I/O-CHECK<br>Web-Based Management<br><b>e!RUNTIME</b> 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.)                | 64                                                                                                                                                                                                                                                                                                                                                                                                         |
| 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                                                                                                                                                                                   |
| Derating                                         | Derating (supply voltage):<br>Ambient temperatures under laboratory conditions: (–25 ... +30°%);<br>for –40 ... +55°C: 24 V (–25 ... +20°%);<br>for +55 ... +70°C: 24 V (–25 ... +10°%);<br>Lower limit in all temperature ranges: –27.5°% (including 15°% residual ripple)                                                                                                                                |
| Supply voltage (system)                          | 24 VDC; via pluggable connector (CAGE CLAMP® connection); Derating must be observed!                                                                                                                                                                                                                                                                                                                       |

## Technical data

|                                                   |                                                                                                                                           |
|---------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| Input current (typ.) at nominal load (24 V)       | 550 mA                                                                                                                                    |
| Total current (system supply)                     | 1700 mA                                                                                                                                   |
| Supply voltage (field)                            | 24 VDC; Power supply via pluggable connector (CAGE CLAMP® connection); Transmission via power jumper contacts; Derating must be observed! |
| Current carrying capacity (power jumper contacts) | 10 A                                                                                                                                      |
| Number of outgoing power jumper contacts          | 2                                                                                                                                         |
| Rated impulse withstand voltage                   | 1 kV                                                                                                                                      |

## Connection data

|                                               |                                                                                                                                                                                                                                                                                                                                                                    |
|-----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Connection technology: communication/fieldbus | Modbus (TCP, UDP): 2 x RJ-45; Modbus RTU: 1 x D-sub 9 socket; RS-232 serial interface: 1 x D-sub 9 socket; RS-485 interface: 1 x D-sub 9 socket; Telecontrol protocol IEC 60870-5-101/-103: 1 x D-sub 9 socket; Telecontrol protocol IEC 60870-5-104: 1 x RJ-45; Telecontrol protocol IEC 61850: 1 x RJ-45; Telecontrol protocol DNP3: 1 x RJ-45 or D-sub 9 socket |
| Connection technology: system supply          | 2 x CAGE CLAMP®                                                                                                                                                                                                                                                                                                                                                    |
| Connection technology: field supply           | 4 x CAGE CLAMP®                                                                                                                                                                                                                                                                                                                                                    |
| Connectable conductor materials               | Copper                                                                                                                                                                                                                                                                                                                                                             |
| Connection type 1                             | System/field supply                                                                                                                                                                                                                                                                                                                                                |
| Solid conductor                               | 0.25 ... 2.5 mm <sup>2</sup> / 24 ... 14 AWG                                                                                                                                                                                                                                                                                                                       |
| Fine-stranded conductor                       | 0.25 ... 2.5 mm <sup>2</sup> / 24 ... 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             | 212.7 g                      |
| Housing material   | Polycarbonate; polyamide 6.6 |
| Conformity marking | CE                           |

## Environmental requirements

|                                          |                                                                                                                                                                  |
|------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Ambient temperature (operation)          | -40 ... +70 °C                                                                                                                                                   |
| Ambient temperature (storage)            | -40 ... +85 °C                                                                                                                                                   |
| Protection type                          | IP20                                                                                                                                                             |
| Pollution degree                         | 2 per IEC 61131-2                                                                                                                                                |
| Operating altitude                       | without temperature derating: 0 ... 2000 m; with temperature derating: 2000 ... 5000 m (0.5 K/100 m); 5000 m (max.)                                              |
| Relative humidity (without condensation) | 95 %                                                                                                                                                             |
| Relative humidity (with condensation)    | Short-term condensation per Class 3K7/IEC EN 60721-3-3 and E-DIN 40046-721-3 (except for wind-driven precipitation, water and ice formation)                     |
| Mounting position                        | Horizontal left, horizontal up, vertical top and vertical bottom                                                                                                 |
| Mounting type                            | DIN-35 rail                                                                                                                                                      |
| Vibration resistance                     | per IEC 60068-2-6 (acceleration: 5g), EN 60870-2-2, IEC 60721-3-1, -3, EN 50155; EN 61373                                                                        |
| Shock resistance                         | per IEC 60068-2-27 (15g/11 ms/half-sine/1,000 shocks; 25g/6 ms/1,000 shocks), EN 50155, EN 61373                                                                 |
| EMC immunity to interference             | per EN 61000-6-1, -2; EN 61131-2; marine applications; EN 50121-3-2; EN 50121-4, -5; EN 60255-26; EN 60870-2-1; EN 61850-3; IEC 61000-6-5; IEEE 1613; VDEW: 1994 |
| EMC emission of interference             | per EN 61000-6-3, -4, EN 61131-2, EN 60255-26, marine applications, EN 60870-2-1, EN 61850-3, EN 50121-3-2, EN 50121-4, -5                                       |
| Exposure to pollutants                   | per IEC 60068-2-42 and IEC 60068-2-43                                                                                                                            |



| Environmental requirements                                                         |          |
|------------------------------------------------------------------------------------|----------|
| Fire load                                                                          | 2.762 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       |               |
|-----------------------|---------------|
| ETIM 9.0              | EC000236      |
| ETIM 8.0              | EC000236      |
| PU (SPU)              | 1 pcs         |
| Packaging type        | Box           |
| Country of origin     | DE            |
| GTIN                  | 4066966208320 |
| 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)        | 06ab47dc-2f4f-4356-9094-9653b59b105e                                                                                                                                     |
| SCIP notification number (Belgium)        | 309d70b5-2953-4af3-811b-fbfb40d4ed56                                                                                                                                     |
| SCIP notification number (Bulgaria)       | 7094c538-b37b-41e3-905f-d9a03e1516f6                                                                                                                                     |
| SCIP notification number (Czech Republic) | 77380389-b037-4140-bd62-59b5d189fa33                                                                                                                                     |
| SCIP notification number (Denmark)        | d658af31-1775-42d5-bb4c-9a40b215c891                                                                                                                                     |
| SCIP notification number (Finland)        | 83289b0f-fa7a-4d00-a26b-251347da81d9                                                                                                                                     |
| SCIP notification number (France)         | dee2b83c-753a-479d-874c-ad85c8a95fc2                                                                                                                                     |
| SCIP notification number (Germany)        | 47f891a8-c6f4-4cb4-ad26-ff21d802f01a                                                                                                                                     |
| SCIP notification number (Hungary)        | e25c3901-354e-495d-9a44-ef3ade83806f                                                                                                                                     |
| SCIP notification number (Italy)          | 19370aa9-0f55-40ae-bc92-2aa4aae700da                                                                                                                                     |
| SCIP notification number (Netherlands)    | 369c080f-0b71-4469-a3b4-1dcda771dd3d                                                                                                                                     |
| SCIP notification number (Poland)         | df55abcf-6ed0-477f-831b-6ba1bcab2121                                                                                                                                     |
| SCIP notification number (Romania)        | b36c37cf-9886-4bce-b9fe-ffef7d3ed898                                                                                                                                     |
| SCIP notification number (Sweden)         | 152b9b66-6890-4b31-ade5-e0e71f725844                                                                                                                                     |

| 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) | -              | E175199                                                                                                                                                                                                                                                                                   |          |          |                  |                                                         |   |   |                                                         |   |   |
|                                                           |                | <table><tr><th>Approval</th><th>Standard</th><th>Certificate Name</th></tr><tr><td>EU-Declaration of Confor-<br/>mity<br/>WAGO GmbH &amp; Co. KG</td><td>-</td><td>-</td></tr><tr><td>UK-Declaration of Confor-<br/>mity<br/>WAGO GmbH &amp; Co. KG</td><td>-</td><td>-</td></tr></table> | 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 | - | - |
| 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  |
|-------------------------------|----------|-------------------|
| DNV<br>DNV GL SE              | -        | TAA00000Y7        |
| PRS<br>Polski Rejestr Statków | -        | TE/1099/880590/23 |

Approvals for hazardous areas



| Approval                                                   | Standard    | Certificate Name                              |
|------------------------------------------------------------|-------------|-----------------------------------------------|
| ATEX<br>TUEV Nord Cert GmbH                                | EN 60079-0  | TUEV 17 ATEX 193969X (II 3 G Ex ec IIC T4 Gc) |
| CCC<br>CNEX                                                | CNCA-C23-01 | 2020312310000214 (Ex ec IIC T4 Gc)            |
| IECEX<br>TUEV Nord Cert GmbH                               | IEC 60079-0 | IECEX TUN 16.0046X (Ex ec IIC T4 Gc)          |
| UKEx<br>WAGO GmbH & Co. KG                                 | EN 60079-0  | UKCA_WA GO22UKEX005X_ec                       |
| UL<br>Underwriters Laboratories Inc. (HAZARDOUS LOCATIONS) | UL 121201   | E198726                                       |

Downloads

Environmental Product Compliance

| Compliance Search                                    |
|------------------------------------------------------|
| Environmental Product Compliance<br>750-8212/040-001 |

Documentation

| Manual                                                                       |
|------------------------------------------------------------------------------|
| Product Manual Controller PFC200; 2nd Generation; 2 x ETHER-NET, RS-232/-485 |

| System Description                                 |
|----------------------------------------------------|
| Controller PFC200 XTR, General Product Information |

| Bid Text         |
|------------------|
| 750-8212/040-001 |
| 750-8212/040-001 |

| Instruction Leaflet             |
|---------------------------------|
| CCC Ex (Additional information) |

Application Notes

| Application Note e!COCKPIT                                |
|-----------------------------------------------------------|
| e!COCKPIT Anwendungshinweis HVAC BACnet Macros (a2021010) |
| e!COCKPIT Application Note OPC UA Client (a2022001)       |
| Application Note WAGO Visualization Datalogger (a2022005) |



CAD/CAE-Data

|                                  |
|----------------------------------|
| CAD data                         |
| 2D/3D Models<br>750-8212/040-001 |
|                                  |

Engineering-Software

|                                                             |                           |                     |  |
|-------------------------------------------------------------|---------------------------|---------------------|--|
| Configuration and Commissioning Software                    |                           |                     |  |
| CODESYS V3.5                                                |                           | png<br>315.13 KB    |  |
| 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 |  |
| (759-316) WAGO Ethernet Settings / Serie 750                | 06.18.01.01<br>02.09.2021 | zip<br>26678.54 KB  |  |
| WAGOUpload                                                  | 1.16.1.0<br>02.02.2022    | zip<br>12111.45 KB  |  |

Runtime Software

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

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.: 2759-248/211-1000](#)  
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                                                                                                                               |                                                                                                                                               |                                                                                                                                              |                                                                                                                                                      |
|                                                                     |                                                              |                                                            |                                                                   |
| <b>Item No.: 750-979/000-011</b><br>Connector ETHERNET; RJ-45; Cat. 6A; angled; Code T568A; AWG 22; Strain relief                                    | <b>Item No.: 750-979/000-021</b><br>Connector ETHERNET; RJ-45; Cat. 6A; angled; Code T568A; AWG 24; Strain relief                             | <b>Item No.: 750-979/000-012</b><br>Connector ETHERNET; RJ-45; Cat. 6A; angled; Code T568B; AWG 22; Strain relief                            | <b>Item No.: 750-979/000-022</b><br>Connector ETHERNET; RJ-45; Cat. 6A; angled; Code T568B; AWG 24; Strain relief                                    |
|                                                                     |                                                              |                                                            |                                                                   |
| <b>Item No.: 750-977/000-011</b><br>Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568A; AWG 22                                                 | <b>Item No.: 750-978/000-011</b><br>Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568A; AWG 22; Strain relief                           | <b>Item No.: 750-977/000-021</b><br>Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568A; AWG 24                                         | <b>Item No.: 750-978/000-021</b><br>Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568A; AWG 24; Strain relief                                  |
|                                                                     |                                                              |                                                            |                                                                   |
| <b>Item No.: 750-977/000-012</b><br>Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568B; AWG 22                                                 | <b>Item No.: 750-978/000-012</b><br>Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568B; AWG 22; Strain relief                           | <b>Item No.: 750-977/000-022</b><br>Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568B; AWG 24                                         | <b>Item No.: 750-978/000-022</b><br>Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568B; AWG 24; Strain relief                                  |
|                                                                     |                                                                                                                                               |                                                                                                                                              |                                                                                                                                                      |
| <b>Item No.: 750-975</b><br>ETHERNET RJ-45 connector, IP20; ETHERNET 10/100 Mbit/s; for field assembly                                               |                                                                                                                                               |                                                                                                                                              |                                                                                                                                                      |
| 1.2.2 Communication                                                                                                                                  |                                                                                                                                               |                                                                                                                                              |                                                                                                                                                      |
| 1.2.2.1 Communication cable                                                                                                                          |                                                                                                                                               |                                                                                                                                              |                                                                                                                                                      |
|                                                                   |                                                            |                                                                                                                                              |                                                                                                                                                      |
| <b>Item No.: 750-923</b><br>Configuration cable; USB connector; Length: 2.5 m                                                                        | <b>Item No.: 750-923/000-001</b><br>Configuration cable; USB connector; Length: 5 m                                                           |                                                                                                                                              |                                                                                                                                                      |
| 1.2.3 DIN-rail                                                                                                                                       |                                                                                                                                               |                                                                                                                                              |                                                                                                                                                      |
| 1.2.3.1 Mounting accessories                                                                                                                         |                                                                                                                                               |                                                                                                                                              |                                                                                                                                                      |
|                                                                   |                                                            |                                                          |                                                                 |
| <b>Item No.: 210-196</b><br>Aluminum carrier rail; 35 x 8.2 mm; 1.6 mm thick; 2 m long; unslotted; similar to EN 60715; silver-colored               | <b>Item No.: 210-198</b><br>Copper carrier rail; 35 x 15 mm; 2.3 mm thick; 2 m long; unslotted; according to EN 60715; copper-colored         | <b>Item No.: 210-508</b><br>Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; slotted; galvanized; similar to EN 60715; silver-colored | <b>Item No.: 210-197</b><br>Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; slotted; similar to EN 60715; silver-colored                     |
|                                                                   |                                                            |                                                          |                                                                 |
| <b>Item No.: 210-506</b><br>Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; unslotted; galvanized; similar to EN 60715; silver-colored       | <b>Item No.: 210-114</b><br>Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; unslotted; similar to EN 60715; silver-colored            | <b>Item No.: 210-118</b><br>Steel carrier rail; 35 x 15 mm; 2.3 mm thick; 2 m long; unslotted; according to EN 60715; silver-colored         | <b>Item No.: 210-115</b><br>Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; according to EN 60715; "Hole width 18 mm; silver-colored |
|                                                                   |                                                            |                                                          |                                                                 |
| <b>Item No.: 210-112</b><br>Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; according to EN 60715; "Hole width 25 mm; silver-colored | <b>Item No.: 210-504</b><br>Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; galvanized; according to EN 60715; silver-colored | <b>Item No.: 210-113</b><br>Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; unslotted; according to EN 60715; silver-colored          | <b>Item No.: 210-505</b><br>Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; unslotted; galvanized; according to EN 60715; silver-colored      |



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; diameter of compatible conductor; 3 ... 8 mm



#### Item No.: 790-208

Shield clamping saddle; 12.4 mm wide; 3 ... 8 mm



#### Item No.: 790-116

Shield clamping saddle; 19 mm wide; diameter of compatible conductor; 7 ... 16 mm



#### Item No.: 790-216

Shield clamping saddle; 21.8 mm wide; 6 ... 16 mm



#### Item No.: 790-124

Shield clamping saddle; 27 mm wide; diameter of compatible conductor; 6 ... 24 mm



#### Item No.: 790-220

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



#### Item No.: 790-140

Shield clamping saddle; diameter of compatible conductor

## 1.2.7 Software

### 1.2.7.1 Runtime software



#### Item No.: 2759-244/210-1000

Runtime; Room Automation; Macro; Single License

### 1.2.7.2 Software Application



#### Item No.: 2759-206/261-1000

Application Energy Data Management; Single License; Online activation



#### Item No.: 2759-2110/261-1000

Application flexROOM; Single License; Online activation



#### Item No.: 2759-2015/260-1000

Application Grid Gateway; Single License



#### Item No.: 2759-2015/261-1000

Application Grid Gateway; Single License; Online activation



#### Item No.: 2759-204/261-1000

Application Lighting Management; Single License; Online activation



#### Item No.: 2759-241/261-1000

Application Weather Station; Single License; Online activation



#### Item No.: 2759-245/211-1000

Library Controller Redundancy Master; Single License; Online activation



#### Item No.: 2759-203/211-1000

Library Power Plant Control; VDE-AR-N 4110 / 4120; Single License; Online activation



#### Item No.: 2759-207/271-1000

Visualization Energy Data Management; Single License; Online activation



#### Item No.: 2759-2103/271-1000

Visualization Lighting Management; L; Single License; Online activation



#### Item No.: 2759-2102/271-1000

Visualization Lighting Management; M; Single License; Online activation



#### Item No.: 2759-2101/271-1000

Visualization Lighting Management; S; Single License; Online activation

## 1.2.8 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



1.2.8.1 System enclosure



**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