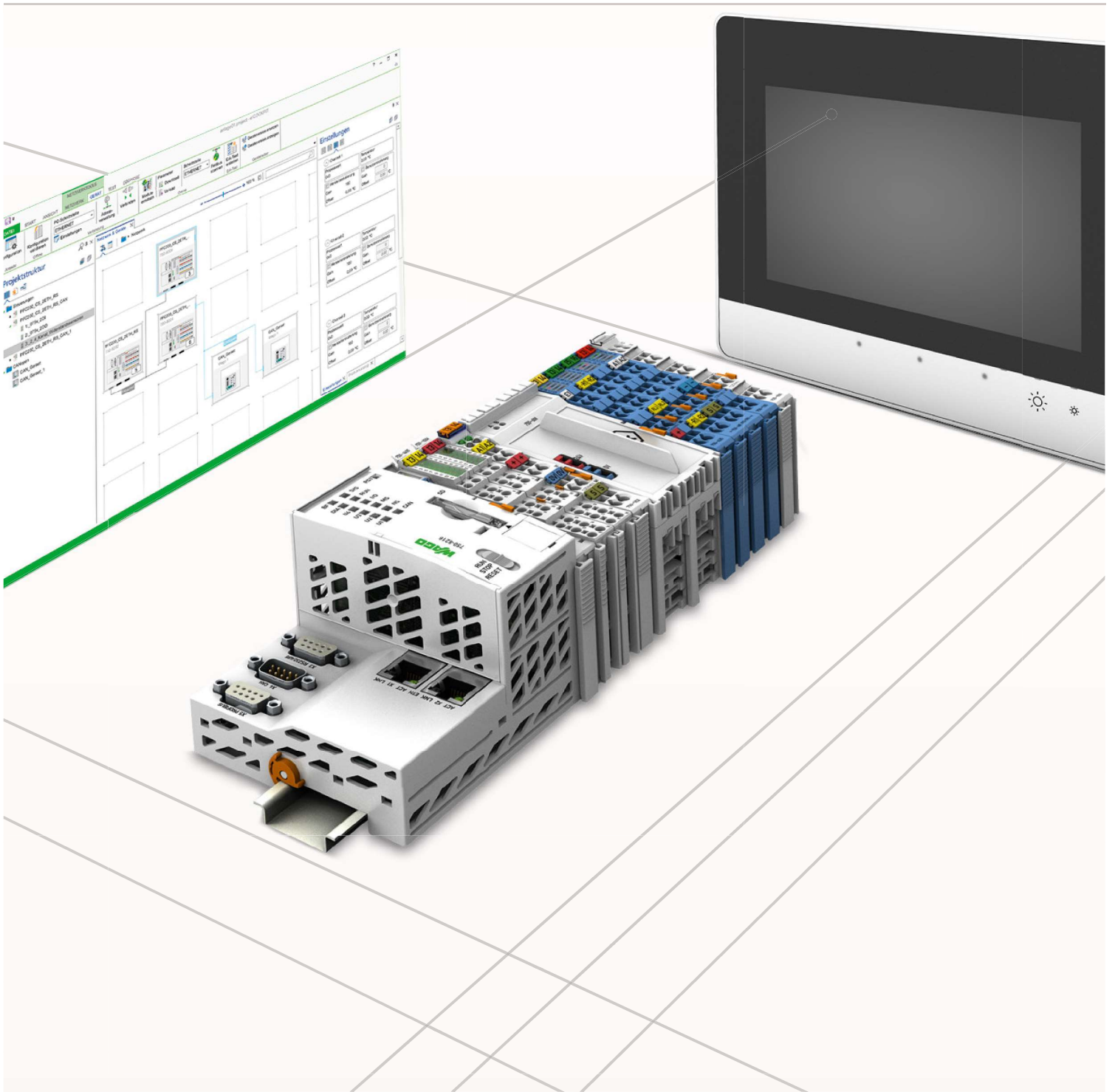


Automation Technology

Full Line Catalog, Volume 3 – Edition 2019/2020

3





Operation and Monitoring

Touch Panels 600 Standard Line

- High-performance touch panels with resistive touch-screens
- 10.9 ... 25.7 cm (4.3 ... 10.1")
- Models include Control, Visu or Web Panel for display of *e!COCKPIT* visualizations

Touch Panels 600 Advanced Line

- High-performance touch panels with capacitive touch-screens and glass surfaces
- 18 ... 25.7 cm (7 ... 10.1")
- Models include Control or Visu Panel

Controllers PFC100/PFC200

- Maximum performance in a minimum space
- Also programmable in high-level languages based on Linux®
- Security packages with SSH and SSL/TLS
- Runtime system for CODESYS V2 (only PFC200) and V3

Section 4.1 ►

Touch Panels 600 Marine Line

- High-performance touch panels with resistive touch-screens
- Ideal for marine applications
- 10.9 ... 25.7 cm (4.3 ... 10.1")
- Models include Visu Panel

Touch Panels *e!DISPLAY 7300T*

- Touch panels with resistive touchscreens
- 10.9 ... 25.7 cm (4.3 ... 10.1")
- Models include Web Panel for display of CODESYS V2 or *e!COCKPIT* visualizations

Controllers PFC200 XTR

- The advantages of WAGO's PFC Controllers combined with the capabilities for extreme environments:
- High processing speed
 - Multiple interfaces
 - eXTRemely robust and maintenance-free

Section 4.2 ►►

Operation and Monitoring Contents

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3



| | CPU | Web Browser | Modbus (TCP, UDP) | EtherNet/IP | CANopen | IoT Protocols | Description | Hardware | Item No. | |
|---------------------------------------|-----------|-------------|-------------------|-------------|---------|---------------|---|----------|-------------------|----|
| Touch Panels 600 Standard Line | Cortex A9 | X | M/S | S | M/S | X | Control Panel; 10.9 cm (4.3"); Resistive touchscreen | PIO3 | 762-4301/8000-002 | 58 |
| | | X | M/S | S | M/S | X | Control Panel; 14.5 cm (5.7"); Resistive touchscreen | PIO3 | 762-4302/8000-002 | 59 |
| | | X | M/S | S | M/S | X | Control Panel; 18 cm (7.0"); Resistive touchscreen | PIO3 | 762-4303/8000-002 | 60 |
| | | X | M/S | S | M/S | X | Control Panel; 25.7 cm (10.1"); Resistive touchscreen | PIO3 | 762-4304/8000-002 | 61 |
| | | X | M | | | | Visu Panel; 10.9 cm (4.3"); Resistive touchscreen | PIO2 | 762-4201/8000-001 | 58 |
| | | X | M | | | | Visu Panel; 14.5 cm (5.7"); Resistive touchscreen | PIO2 | 762-4202/8000-001 | 59 |
| | | X | M | | | | Visu Panel; 18 cm (7.0"); Resistive touchscreen | PIO2 | 762-4203/8000-001 | 60 |
| | | X | M | | | | Visu Panel; 25.7 cm (10.1"); Resistive touchscreen | PIO2 | 762-4204/8000-001 | 61 |
| | | X | | | | | Web Panel; 10.9 cm (4.3"); Resistive touchscreen | PIO1 | 762-4101 | 58 |
| | | X | | | | | Web Panel; 14.5 cm (5.7"); Resistive touchscreen | PIO1 | 762-4102 | 59 |
| | | X | | | | | Web Panel; 18 cm (7.0"); Resistive touchscreen | PIO1 | 762-4103 | 60 |
| | | X | | | | | Web Panel; 25.7 cm (10.1"); Resistive touchscreen | PIO1 | 762-4104 | 61 |
| Touch Panels 600 Advanced Line | Cortex A9 | X | M/S | S | M/S | X | Control Panel; 18 cm (7.0"); Capacitive touchscreen with glass surface | PIO3 | 762-5303/8000-002 | 62 |
| | | X | M/S | S | M/S | X | Control Panel; 25.7 cm (10.1"); Capacitive touchscreen with glass surface | PIO3 | 762-5304/8000-002 | 63 |
| | | X | M | | | | Visu Panel; 18 cm (7.0"); Capacitive touchscreen with glass surface | PIO2 | 762-5203/8000-001 | 62 |
| | | X | M | | | | Visu Panel; 25.7 cm (10.1"); Capacitive touchscreen with glass surface | PIO2 | 762-5204/8000-001 | 63 |
| Touch Panels 600 Marine Line | Cortex A9 | X | M | | | | Visu Panel; 10.9 cm (4.3"); Resistive touchscreen, marine version | PIO2 | 762-6201/8000-001 | 64 |
| | | X | M | | | | Visu Panel; 14.5 cm (5.7"); Resistive touchscreen, marine version | PIO2 | 762-6202/8000-001 | 64 |
| | | X | M | | | | Visu Panel; 18 cm (7.0"); Resistive touchscreen, marine version | PIO2 | 762-6203/8000-001 | 65 |
| | | X | M | | | | Visu Panel; 25.7 cm (10.1"); Resistive touchscreen, marine version | PIO2 | 762-6204/8000-001 | 65 |
| Touch Panels e!DISPLAY 7300T | Cortex A8 | X | | | | | Web Panel; 10.9 cm (4.3"); Resistive touchscreen | PIO1 | 762-3000 | 66 |
| | | X | | | | | Web Panel; 14.5 cm (5.7"); Resistive touchscreen | PIO1 | 762-3001 | 66 |
| | | X | | | | | Web Panel; 18 cm (7.0"); Resistive touchscreen | PIO1 | 762-3002 | 67 |
| | | X | | | | | Web Panel; 25.7 cm (10.1"); Resistive touchscreen | PIO1 | 762-3003 | 67 |



Accessories

Memory cards; Mounting sets

68

M: Master; S: Slave



Controllers PFC100/PFC200

Touch-Panel 600 Standard/Advanced Line; Hardware configuration Control Panel

- Merging of control and visualization
- 10.9 ... 25.7 cm (4.3 ... 10.1")

◀ Section 3

Controllers PFC200 XTR

The advantages of the PFC Controller combined with the capabilities for extreme environments:

- High processing speed
- Multiple interfaces
- eXTRemely robust and maintenance-free

Section 4.2 ▶

Controllers 750 XTR

For demanding applications in which the following are critical:

- Extreme temperature stability
- Immunity to electromagnetic interference and impulse voltages
- Vibration and shock resistance

Section 4.4 ▶▶▶

Controllers PFC100/PFC200

- Maximum performance in a minimum space
- Also programmable in high-level languages based on Linux®
- Security packages with SSH and SSL/TLS
- Runtime system for CODESYS V2 (only PFC200) and V3

Section 4.3 ▶▶

Controllers 750

- Controllers for all prominent fieldbus systems
- Programmable to IEC 61131-3
- Combinable with the modules of the WAGO-I/O-SYS-TEM 750

Starter Kits

To get you up and running quickly, we offer starter kits to suit the most diverse applications:













- With Controller PFC100
- With Controller PFC200
- With Controller 750 ETHERNET
- With Controller 750 KNX IP or BACnet/IP

Section 4.5 ▶▶▶▶

Controllers PFC100/PFC200

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| CPU | Modbus (TCP, UDP) | EtherNet/IP | EtherCAT | PROFINET | PROFIBUS | CANopen | Modbus RTU | Telecontrol protocols | IoT Protocols | Description | Item No. | | | |
|---|--------------------|-------------|----------|----------|----------|---------|------------|-----------------------|---------------|---|--|------------------|--------------------------------------|----|
| | | | | | | | | | | | Default | Ext. Temperature | | |
|  | Cortex A8; 600 MHz | M/S | S | | | | | | | x | Controller PFC100; 2 x ETHERNET; Eco | 750-8100 | | 78 |
|  | Cortex A8; 600 MHz | M/S | S | | | | | | | x | Controller PFC100; 2 x ETHERNET | 750-8101 | 750-8101/025-000 | 79 |
| | | M/S | S | | | | | x | x | | Controller PFC100; 2 x ETHERNET, RS-232/-485 | 750-8102 | 750-8102/025-000 | 79 |
|  | Cortex A8; 1 GHz | M/S | S | M* | | | | | | x | Controller PFC200; 2nd generation; 2 x ETHERNET, RS-232/-485 | 750-8212 | 750-8212/025-000 | 80 |
| | | M/S | | | | | | x | x | x | Controller PFC200; 2nd generation; 2 x ETHERNET, RS-232/-485; Telecontrol technology | | 750-8212/025-001 750-8212/025-002 | 80 |
|  | Cortex A8; 1 GHz | M/S | S | M* | | | M/S | | | x | Controller PFC200; 2nd generation; 2 x ETHERNET, CAN, CANopen | 750-8213 | | 81 |
|  | Cortex A8; 1 GHz | M/S | S | M* | | | M/S | x | | x | Controller PFC200; 2nd generation; 2 x ETHERNET, RS-232/-485, CAN, CANopen | 750-8214 | | 82 |
|  | Cortex A8; 1 GHz | M/S | S | M* | S | | M/S | | | x | Controller PFC200; 2nd generation; 4 x ETHERNET, CAN, CANopen, USB | 750-8215 | | 83 |
|  | Cortex A8; 1 GHz | M/S | S | M* | | S | M/S | x | | x | Controller PFC200; 2nd generation; 2 x ETHERNET, RS-232/-485, CAN, CANopen, PROFIBUS Slave | 750-8216 | 750-8216/025-000 | 84 |
| | | M/S | | | | S | M/S | x | x | x | Controller PFC200; 2nd generation; 2 x ETHERNET, RS-232/-485, CAN, CANopen, PROFIBUS Slave; Telecontrol technology | | 750-8216/025-001 | 84 |
|  | Cortex A8; 600 MHz | M/S | S | | | | | x | | x | Controller PFC200; 2 x ETHERNET, RS-232/-485, Mobile radio module | 750-8207 | 750-8207/025-000 | 85 |
| | | M/S | | | | | | | x | x | Controller PFC200; 2 x ETHERNET, RS-232/-485, Mobile radio module; Telecontrol technology; Ext. temperature | | 750-8207/025-001 | 85 |
|  | Cortex A8; 600 MHz | M/S | S | | | M | | x | | x | Controller PFC200; 2 x ETHERNET, RS-232/-485, CAN, CANopen, PROFIBUS Master | 750-8208 | 750-8208/025-000 | 86 |
| | | M/S | | | | M | | x | x | x | Controller PFC200; 2 x ETHERNET, RS-232/-485, CAN, CANopen, PROFIBUS Master; Telecontrol technology | | 750-8208/025-001 | 86 |
|  | Cortex A8; 600 MHz | M/S | S | | | | | | | x | Controller PFC100; FGO; 2 x ETHERNET | 750-8101/000-010 | | 89 |
|  | Cortex A8; 600 MHz | M/S | S | | | | | x | | x | Controller PFC200; FG1; 2 x ETHERNET, RS-232/-485 | 750-8202/000-011 | | 90 |
| | | M/S | S | | | | | x | | x | Controller PFC200; FG2; 2 x ETHERNET, RS-232/-485 | 750-8202/000-012 | | 91 |
| | | M/S | S | | | | | x | | x | Controller PFC200; Energy data management application; 2 x ETHERNET, RS-232/-485 | 750-8202/000-022 | | 92 |
|  | Cortex A8; 600 MHz | M/S | S | | | | x | | x | Controller PFC200; Energy data management application; 2 x ETHERNET, RS-232/-485; Mobile radio module | 750-8207/000-022 | | 93 | |

M: Master, S: Slave; *requires an additional license

4.1
PFC100/200
Controllers



Controllers PFC200 XTR

Touch-Panel 600 Standard/Advanced Line; Hardware configuration Control Panel

- Merging of control and visualization
- 10.9 ... 25.7 cm (4.3 ... 10.1")

◀ Section 3

Controllers PFC200 XTR

The advantages of the PFC Controller combined with the capabilities for extreme environments:

- High processing speed
- Multiple interfaces
- eXTRemely robust and maintenance-free

Section 4.3 ▶

Controllers 750 XTR

For demanding applications in which the following are critical:

- Extreme temperature stability
- Immunity to electromagnetic interference and impulse voltages
- Vibration and shock resistance

Section 4.4 ▶▶

Controllers PFC100/PFC200

- Maximum performance in a minimum space
- Also programmable in high-level languages based on Linux®
- Security packages with SSH and SSL/TLS
- Runtime system for CODESYS V2 (only PFC200) and V3

◀ Section 4.1

Controllers 750

- Controllers for all prominent fieldbus systems
- Programmable to IEC 61131-3
- Combinable with the modules of the WAGO-I/O-SYSTEM 750

Starter Kits

To get you up and running quickly, we offer starter kits to suit the most diverse applications:





- With Controller PFC100
- With Controller PFC200
- With Controller 750 ETHERNET
- With Controller 750 KNX IP or BACnet/IP

Section 4.5 ▶▶▶

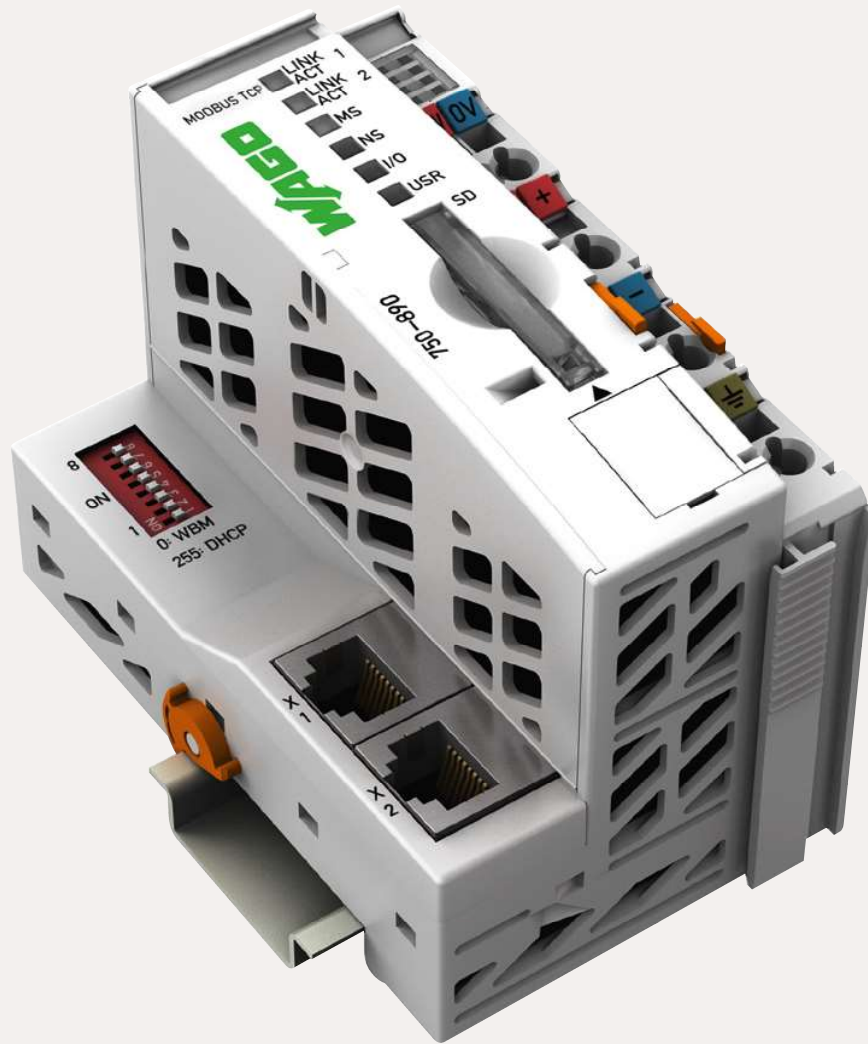
Controllers PFC200 XTR

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| | CPU | Modbus (TCP, UDP) | EtherNet/IP | PROFIBUS | CANopen | Modbus RTU | Telecontrol Protocols: IEC 60870, IEC 61850/61400, DNP3 | IoT Protocols: MQTT | Description | Item No. | |
|---|--------------------|-------------------|-------------|----------|---------|------------|--|------------------------|---|------------------|-----|
|  | Cortex A8; 600 MHz | M/S | S | | | x | | x | Controller PFC200; 2 x ETHERNET, RS-232/-485; extreme | 750-8202/040-000 | 100 |
|  | Cortex A8; 600 MHz | M/S | S | | | x | x | x | Controller PFC200; 2 x ETHERNET, RS-232/485; Telecontrol technology; extreme | 750-8202/040-001 | 100 |
|  | Cortex A8; 600 MHz | M/S | S | S | M/S | x | | x | Controller PFC200; 2 x ETHERNET, RS-232/-485, CAN, CANopen, PROFIBUS Slave; extreme | 750-8206/040-000 | 101 |
|  | Cortex A8; 600 MHz | M/S | S | S | M/S | x | x | x | Controller PFC200; 2 x ETHERNET, RS-232/-485, CAN, CANopen, PROFIBUS Slave; Telecontrol technology; extreme | 750-8206/040-001 | 101 |

M: Master, S: Slave



Controllers 750

Touch-Panel 600 Standard/Advanced Line; Hardware configuration Control Panel

- Merging of control and visualization
- 10.9 ... 25.7 cm (4.3 ... 10.1")

◀◀ Section 3

Controllers PFC200 XTR

The advantages of the PFC Controller combined with the capabilities for extreme environments:

- High processing speed
- Multiple interfaces
- eXTRemely robust and maintenance-free

◀ Section 4.2

Controllers 750 XTR

For demanding applications in which the following are critical:

- Extreme temperature stability
- Immunity to electromagnetic interference and impulse voltages
- Vibration and shock resistance

Section 4.4 ▶

Controllers PFC100/PFC200

- Maximum performance in a minimum space
- Also programmable in high-level languages based on Linux®
- Security packages with SSH and SSL/TLS
- Runtime system for CODESYS V2 (only PFC200) and V3

◀◀ Section 4.1

Controllers 750

- Controllers for all prominent fieldbus systems
- Programmable to IEC 61131-3
- Combinable with the modules of the WAGO-I/O-SYS-TEM 750

Starter Kits

To get you up and running quickly, we offer starter kits to suit the most diverse applications:








- With Controller PFC100
- With Controller PFC200
- With Controller 750 ETHERNET
- With Controller 750 KNX IP or BACnet/IP

Section 4.5 ▶▶

Controllers 750

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| CPU | ETHERNET | | | | | | | | | | Description | Item No. | | | |
|---|-------------------|-------------|-----------|--------|------------|--|--------------|-----------|----------|---------------------------|--|---|------------------|-----|-----|
| | Modbus (TCP, UDP) | EtherNet/IP | BACnet/IP | KNX IP | Modbus RTU | Telecontrol Protocols: IEC 60870, IEC 61850/61400, DNP3 | BACnet MS/TP | DeviceNet | PROFIBUS | CANopen | | Default | Ext. Temperature | | |
|  | 32 bits | M/S | S | | | | | | | | Controller ETHERNET; 3rd generation; SD card slot | 750-880 | 750-880/025-000 | 108 | |
| | | M/S | S | | | x | | | | | Controller ETHERNET; 3rd generation; SD card slot; Telecontrol technology; Ext. temperature | | 750-880/025-001 | 108 | |
| | | M/S | S | | | x | | | | | Controller ETHERNET; 3rd generation; SD card slot; Telecontrol technology; Ext. temperature; Eco | | 750-880/025-002 | 108 | |
| | | M/S | S | | | | | | | | Controller Modbus TCP; 4th generation; SD card slot | 750-890 | | 109 | |
| | | M/S | S | | | | | | | | Controller ETHERNET; 3rd generation | 750-881 | | 109 | |
| | | M/S | S | | | | | | | | Controller Modbus TCP; 4th generation | 750-891 | | 109 | |
| | | M/S | S | | | | | | | | Controller ETHERNET; 3rd generation; SD card slot; Media redundancy | 750-885 | 750-885/025-000 | 110 | |
| | | M/S | S | | | | | | | | Controller ETHERNET; 3rd generation; Media redundancy | 750-882 | | 110 | |
|  | 32 bits | M/S | S | | | | | | | | Controller ETHERNET; 3rd generation; Eco | 750-852 | | 111 | |
| | | M/S | | | | | | | | | Controller Modbus TCP; 4th generation; Eco | 750-862 | | 111 | |
|  | 16 bits | M/S | | | | | | | | | Controller ETHERNET; 1st generation | 750-842 | | 112 | |
| | | M/S | | | | | | | | | Controller ETHERNET; 1st generation; Eco | 750-843 | | 112 | |
|  | 32 bits | M/S | | x | | | | | | | Controller KNX/IP | 750-889 | | 113 | |
| | 32 bits | M/S | x | | | | | | | | Controller BACnet/IP | 750-831 | | 114 | |
| | | M/S | x | | | | | | | Controller BACnet/IP; Eco | 750-831/000-002 | | 114 | | |
|  | 32 bits | M/S | | | | | x | | | | Controller BACnet MS/TP | 750-829 | | 115 | |
| | 16 bits | | | | | | | | x | | Controller DeviceNet | 750-806 | | 116 | |
| 16 bits | | | | | x | | | | | | Controller MODBUS; RS-485; 115.2 kBd | 750-815/300-000 | 750-815/325-000 | 117 | |
|  | | | | | x | | | | | | Controller MODBUS; RS-232; 115.2 kBd | 750-816/300-000 | | 117 | |
| | 16 bits | | | | | | | | S | | Controller PROFIBUS Slave | 750-833 | 750-833/025-000 | 118 | |
|  | 16 bits | | | | | | | | | M/S | Controller CANopen; 128/64 KB Program/RAM; MCS | 750-837 | | 119 | |
| | | | | | | | | | | M/S | Controller CANopen; 640/832 KB Program/RAM; MCS | 750-837/021-000 | | 119 | |
| | | | | | | | | | | | M/S | Controller CANopen; 128/64 KB Program/RAM; D-Sub | 750-838 | | 119 |
| | | | | | | | | | | | M/S | Controller CANopen; 640/832 KB Program/RAM; D-Sub | 750-838/021-000 | | 119 |

M: Master, S: Slave

4.3
Controllers 750



Controllers 750 XTR

Touch-Panel 600 Standard/Advanced Line; Hardware configuration Control Panel

- Merging of control and visualization
- 10.9 ... 25.7 cm (4.3 ... 10.1")

◀◀◀ Section 3

Controllers PFC200 XTR

The advantages of the PFC Controller combined with the capabilities for extreme environments:

- High processing speed
- Multiple interfaces
- eXTRemely robust and maintenance-free

◀◀ Section 4.2

Controllers 750 XTR

For demanding applications in which the following are critical:

- Extreme temperature stability
- Immunity to electromagnetic interference and impulse voltages
- Vibration and shock resistance

Controllers PFC100/PFC200

- Maximum performance in a minimum space
- Also programmable in high-level languages based on Linux®
- Security packages with SSH and SSL/TLS
- Runtime system for CODESYS V2 (only PFC200) and V3

◀◀◀ Section 4.1

Controllers 750

- Controllers for all prominent fieldbus systems
- Programmable to IEC 61131-3
- Combinable with the modules of the WAGO-I/O-SYS-TEM 750

◀ Section 4.3

Starter Kits

To get you up and running quickly, we offer starter kits to suit the most diverse applications:

- With Controller PFC100
- With Controller PFC200
- With Controller 750 ETHERNET
- With Controller 750 KNX IP or BACnet/IP

Section 4.5 ▶

Controllers 750 XTR

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| Installation Instructions | 124 |
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| Approvals | 125 |

















| CPU | ETHERNET | | | Telecontrol Protocols: IEC 60870, IEC 61850/61400, DNP3 | Description | Item No. | |
|---------|-------------------|-------------|---------|--|--|-----------------|-----|
| | Modbus (TCP, UDP) | EtherNet/IP | CANopen | | | | |
| 32 bits | M/S | S | | | Controller ETHERNET; 3rd generation; SD card slot; extreme | 750-880/040-000 | 126 |
| 32 bits | M/S | S | | x | Controller ETHERNET; 3rd generation; SD card slot; Telecontrol technology; extreme | 750-880/040-001 | 126 |
| 32 bits | | | M/S | | Controller CANopen; 640/832 KB Program/RAM; D-Sub; extreme | 750-838/040-000 | 127 |

M: Master, S: Slave

I/O System – 750 and 753 Series, Fieldbus Couplers

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| | With Field Supply | | Without Field Supply | Eco | | | |
| |  |  |  |  | | | |
|  | | <input type="checkbox"/> | | | PROFINET IO; 3rd generation; Advanced | 750-375 | 148 |
| | | <input type="checkbox"/> | | | PROFINET IO; 3rd generation; Extended temperature; Advanced | 750-375/025-000 | 148 |
| | | | <input type="checkbox"/> | | PROFINET IO; 3rd generation; Eco Advanced | 750-377 | 148 |
| | | | <input type="checkbox"/> | | PROFINET IO; 3rd generation; Extended temperature; Eco Advanced | 750-377/025-000 | 148 |
|  | <input type="checkbox"/> | | | | PROFIBUS DP; 1st generation; 12 MBd | 750-303 | 149 |
| | <input type="checkbox"/> | | | | PROFIBUS DP; 2nd generation; 12 MBd | 750-333* | 149 |
| | <input type="checkbox"/> | | | | PROFIBUS DP; 2nd generation; 12 MBd; Extended temperature | 750-333/025-000 | 149 |
| | | | | <input type="checkbox"/> | PROFIBUS DP; 12 MBd; Eco | 750-343 | 150 |
| | <input type="checkbox"/> | | | | PROFIBUS DP; Fiber-optic connection; 1.5 MBd | 750-331 | 150 |
|  <i>MODBUS/TCP</i> | | | <input type="checkbox"/> | | ETHERNET; 3rd generation | 750-352* | 151 |
| | | | <input type="checkbox"/> | | ETHERNET; 3rd generation | 750-352/000-001 | 151 |
| | | | <input type="checkbox"/> | | Modbus TCP; 4th generation | 750-362 | 151 |
| | <input type="checkbox"/> | | | | ETHERNET; 1st generation | 750-342 | 152 |
|  | | <input type="checkbox"/> | | | BACnet/IP | 750-330 | 153 |
|  Conformance tested | | | <input type="checkbox"/> | | EtherCAT | 750-354 | 154 |
| | | | <input type="checkbox"/> | | EtherCAT; ID switch | 750-354/000-001 | 154 |
| | | | <input type="checkbox"/> | | EtherCAT; ID switch; Diagnostics | 750-354/000-002 | 154 |
|  | <input type="checkbox"/> | | | | DeviceNet | 750-306 | 155 |
| | | | | <input type="checkbox"/> | DeviceNet; Eco | 750-346 | 155 |
|  | <input type="checkbox"/> | | | | CANopen | 750-307 | 156 |
| | <input type="checkbox"/> | | | | CANopen; MCS | 750-337 | 156 |
| | <input type="checkbox"/> | | | | CANopen; MCS; Extended temperature | 750-337/025-000 | 156 |
| | <input type="checkbox"/> | | | | CANopen; D-Sub | 750-338* | 157 |
| | | | | <input type="checkbox"/> | CANopen; MCS; Eco | 750-347 | 157 |
| | | | | <input type="checkbox"/> | CANopen; D-Sub; Eco | 750-348 | 157 |
|  the automation bus | <input type="checkbox"/> | | | | Sercos® | 750-351 | 158 |
| <i>MODBUS</i> | <input type="checkbox"/> | | | | MODBUS; RS-485; 115.2 kBd | 750-315/300-000 | 159 |
| | <input type="checkbox"/> | | | | MODBUS; RS-232; 115.2 kBd | 750-316/300-000 | 159 |
|  | <input type="checkbox"/> | | | | INTERBUS | 750-304 | 160 |
| | | | | <input type="checkbox"/> | INTERBUS; 500 kBit/s; Eco | 750-344 | 160 |
|  | <input type="checkbox"/> | | | | CC-Link | 750-310 | 161 |
| | | <input type="checkbox"/> | | | CC-Link; 156 kBaud ... 10 MBaud | 750-325 | 161 |

*This coupler is also available as a 750 XTR Series variant.

See Section 6

I/O System – 750 and 753 Series, Digital Input Modules

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| Function | 2-Channel DI | 4-Channel DI | 8-Channel DI | 16-Channel DI | 8-Channel DIO | Description | Item Number | | | Page | |
|--|-----------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--|--|----------------------|-----------------|---------|-----|
| | | | | | | | Standard | Extended Temperature | Pluggable | | |
| 5 VDC | | <input type="checkbox"/> | | | | 4-Channel Digital Input; 5 VDC; 0.2 ms | 750-414 | | | 164 | |
| 5/12 VDC | | | <input type="checkbox"/> | | | 8-Channel Digital Input; 5/12 VDC; 0.2 ms | | | 753-434 | 164 | |
| 24 VDC | <input type="checkbox"/> | | | | | 2-Channel Digital Input; 24 VDC; 3 ms | 750-400 | 750-400/025-000 | 753-400 | 165 | |
| | <input type="checkbox"/> | | | | | 2-Channel Digital Input; 24 VDC; 3 ms; Acknowledgement; Diagnostics | 750-418 | | 753-418 | 165 | |
| | <input type="checkbox"/> | | | | | 2-Channel Digital Input; 24 VDC; 3 ms; Diagnostics | 750-421 | | 753-421 | 166 | |
| | <input type="checkbox"/> | | | | | 4-Channel Digital Input; 24 VDC; 3 ms | 750-402 | 750-402/025-000 | 753-402 | 166 | |
| | <input type="checkbox"/> | | | | | 4-Channel Digital Input; 24 VDC; 3 ms; 2-wire connection | 750-432 | | 753-432 | 167 | |
| | <input type="checkbox"/> | | | | | 4-Channel Digital Input; 24 VDC; 3 ms; 3-wire connection | 750-1420 | | | 167 | |
| | <input type="checkbox"/> | | <input type="checkbox"/> | | | 8-Channel Digital Input; 24 VDC; 3 ms | 750-430* | 750-430/025-000 | 753-430 | 168 | |
| | <input type="checkbox"/> | | <input type="checkbox"/> | | | 8-Channel Digital Input; 24 VDC; 3 ms; 2-wire connection | 750-1415* | | | 168 | |
| | <input type="checkbox"/> | | | <input type="checkbox"/> | | 16-Channel Digital Input; 24 VDC; 3 ms; Ribbon cable | 750-1400 | | | 169 | |
| | <input type="checkbox"/> | | | <input type="checkbox"/> | | 16-Channel Digital Input; 24 VDC; 3 ms | 750-1405* | | | 169 | |
| | <input type="checkbox"/> | | | | <input type="checkbox"/> | 8-Channel Digital Input/Output; 24 VDC; 0.5 A; Ribbon cable | 750-1502 | | | 170 | |
| | <input type="checkbox"/> | | | | <input type="checkbox"/> | 8-Channel Digital Input/Output; 24 VDC; 0.5 A | 750-1506 | | | 170 | |
| | 3 ms; High-side switching | <input type="checkbox"/> | | | | | 2-Channel Digital Input; 24 VDC; 0.2 ms | 750-401 | | 753-401 | 171 |
| | | <input type="checkbox"/> | | | | | 4-Channel Digital Input; 24 VDC; 0.2 ms | 750-403 | | 753-403 | 171 |
| | | <input type="checkbox"/> | | | | | 4-Channel Digital Input; 24 VDC; 0.2 ms; 2-wire connection | 750-433 | | 753-433 | 172 |
| | | <input type="checkbox"/> | | | | | 4-Channel Digital Input; 24 VDC; 0.2 ms; 3-wire connection | 750-1421 | | | 172 |
| | | <input type="checkbox"/> | | <input type="checkbox"/> | | | 8-Channel Digital Input; 24 VDC; 0.2 ms | 750-431* | | 753-431 | 173 |
| | | <input type="checkbox"/> | | <input type="checkbox"/> | | | 8-Channel Digital Input; 24 VDC; 0.2 ms; 2-wire connection | 750-1416* | | | 173 |
| | 0.2 ms; High-side switching | | | | <input type="checkbox"/> | | 16-Channel Digital Input; 24 VDC; 0.2 ms | 750-1406 | | | 173 |
| | | <input type="checkbox"/> | | | | | 4-Channel Digital Input; 24 VDC; 3 ms; Low-side switching | 750-408 | 750-408/025-000 | 753-408 | 174 |
| <input type="checkbox"/> | | | | | | 4-Channel Digital Input; 24 VDC; 3 ms; Low-side switching; 3-wire connection | 750-1422 | | | 174 | |
| <input type="checkbox"/> | | | <input type="checkbox"/> | | | 8-Channel Digital Input; 24 VDC; 3 ms; Low-side switching | 750-436 | | 753-436 | 175 | |
| <input type="checkbox"/> | | | <input type="checkbox"/> | | | 8-Channel Digital Input; 24 VDC; 3 ms; Low-side switching; 2-wire connection | 750-1417 | | | 175 | |
| <input type="checkbox"/> | | | | <input type="checkbox"/> | | 16-Channel Digital Input; 24 VDC; 3 ms; Low-side switching; Ribbon cable | 750-1402 | | | 176 | |
| 3 ms; Low-side switching | <input type="checkbox"/> | | | | <input type="checkbox"/> | 16-Channel Digital Input; 24 VDC; 3 ms; Low-side switching | 750-1407 | | | 176 | |
| | <input type="checkbox"/> | | | | | 4-Channel Digital Input; 24 VDC; 0.2 ms; Low-side switching | 750-409 | | 753-409 | 177 | |
| | <input type="checkbox"/> | | | | | 4-Channel Digital Input; 24 VDC; 0.2 ms; Low-side switching; 3-wire connection | 750-1423 | | | 177 | |
| | <input type="checkbox"/> | | <input type="checkbox"/> | | | 8-Channel Digital Input; 24 VDC; 0.2 ms; Low-side switching | 750-437 | | 753-437 | 178 | |
| 0.2 ms; Low-side switching | <input type="checkbox"/> | | | | <input type="checkbox"/> | 8-Channel Digital Input; 24 VDC; 0.2 ms; Low-side switching; 2-wire connection | 750-1418 | | | 178 | |
| | <input type="checkbox"/> | | | | | 2-Channel Digital Input; 24 VDC; 3 ms; Proximity sensor | 750-410 | | 753-410 | 179 | |
| 24 VAC/DC | <input type="checkbox"/> | | | | | 2-Channel Digital Input; 24 VDC; 0.2 ms; Proximity sensor | 750-411 | | 753-411 | 179 | |
| | <input type="checkbox"/> | | | | | 2-Channel Digital Input; NAMUR | 750-425 | | 753-425 | 180 | |
| 42 VAC/VDC | <input type="checkbox"/> | | | | | 2-Channel Digital Input; Intruder detection | 750-424 | | 753-424 | 181 | |
| 48 VDC | <input type="checkbox"/> | | | | | 4-Channel Digital Input; 24 VDC; Pulse extension | 750-422 | | 753-422 | 182 | |
| 60 VDC | <input type="checkbox"/> | | | | | 2-Channel Digital Input; 24 VDC; 3 ms; Proximity sensor | 750-415 | | 753-415 | 183 | |
| 110 VDC | <input type="checkbox"/> | | | | | 4-Channel Digital Input; 24 VAC/DC; 50 ms | 750-423 | | 753-423 | 183 | |
| 220 VDC | <input type="checkbox"/> | | | | | 4-Channel Digital Input; 24 VAC/DC; 20 ms | 750-428 | | 753-428 | 184 | |
| 120 VAC | <input type="checkbox"/> | | | | | 2-Channel Digital Input; 48 VDC; 3 ms | 750-412 | | 753-412 | 185 | |
| 120/230 VAC | <input type="checkbox"/> | | | | | 2-Channel Digital Input; 60 VDC; 3 ms | * | | 753-429 | 186 | |
| 230 VAC | <input type="checkbox"/> | | | | | 2-Channel Digital Input; 110 VDC; High-side/low-side switching | 750-427* | | 753-427 | 187 | |
| PTC | | <input type="checkbox"/> | | | | 2-Channel Digital Input; 220 VDC | 750-407* | | | 187 | |
| | | | <input type="checkbox"/> | | | 2-Channel Digital Input; 120 VAC | 750-406 | | 753-406 | 188 | |
| | | | | <input type="checkbox"/> | | 4-Channel Digital Input; 120/230 VAC | | | 753-440 | 189 | |
| | | | | | <input type="checkbox"/> | 2-Channel Digital Input; 230 VAC | 750-405 | | 753-405 | 188 | |
| | | | | | <input type="checkbox"/> | 8-Channel Digital Input; PTC | 750-1425 | | | 189 | |
| Functional Safety | | | | | | | See Section 5.8 | | | | |
| Ex i | | | | | | | See Section 5.9 | | | | |
| *This module is also available as a 750 XTR Series variant. | | | | | | | See Section 6 | | | | |

I/O System – 750 and 753 Series, Digital Output Modules

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| 5 VDC | | | ■ | | | | 4-Channel Digital Output; 5 VDC; 20 mA | 750-519 | | | 194 |
| 5/12 VDC | | | | ■ | | | 8-Channel Digital Output; 12 VDC; 1 A | 750-534 | | 753-534 | 194 |
| 24 VDC | | ■ | | | | | 2-Channel Digital Output; 24 VDC; 0.5 A | 750-501 | | 753-501 | 195 |
| | | ■ | | | | | 2-Channel Digital Output; 24 VDC; 0.5 A; Interference-free | 750-501/000-800 | | 753-501/000-800 | 195 |
| | | ■ | | | | | 2-Channel Digital Output; 24 VDC; 2.0 A | 750-502 | | 753-502 | 196 |
| | | ■ | | | | | 2-Channel Digital Output; 24 VDC; 2.0 A; Interference-free | 750-502/000-800 | | 753-502/000-800 | 196 |
| | | ■ | | | | | 2-Channel Digital Output; 24 VDC; 0.5 A; Diagnostics | 750-506 | | 753-506 | 197 |
| | | ■ | | | | | 2-Channel Digital Output; 24 VDC; 0.5 A; Interference-free; Diagnostics | 750-506/000-800 | | | 197 |
| | | ■ | | | | | 2-Channel Digital Output; 24 VDC; 2.0 A; Diagnostics | 750-508* | | 753-508 | 197 |
| | | ■ | | | | | 2-Channel Digital Output; 24 VDC; 2.0 A; Interference-free; Diagnostics | 750-508/000-800 | | | 197 |
| | | | ■ | | | | 4-Channel Digital Output; 24 VDC; 0.5 A | 750-504 | 750-504/025-000 | 753-504 | 198 |
| | | | ■ | | | | 4-Channel Digital Output; 24 VDC; 0.5 A; Interference-free | 750-504/000-800 | 750-504/025-800 | | 198 |
| | | | ■ | | | | 4-Channel Digital Output; 24 VDC; 0.5 A; 2-wire connection | 750-531 | | 753-531 | 199 |
| | | | ■ | | | | 4-Channel Digital Output; 24 VDC; 0.5 A; 2-wire connection; Interference-free | 750-531/000-800 | | 753-531/000-800 | 199 |
| | | | ■ | | | | 4-Channel Digital Output; 24 VDC; 0.5 A; Low-side switching | 750-516 | | 753-516 | 200 |
| | | | ■ | | | | 4-Channel Digital Output; 24 VDC; 0.5 A; Diagnostics | 750-532 | | | 200 |
| | | | | ■ | | | 8-Channel Digital Output; 24 VDC; 0.5 A | 750-530 | 750-530/025-000 | 753-530 | 201 |
| | | | | ■ | | | 8-Channel Digital Output; 24 VDC; 0.5 A; Low-side switching | 750-536 | | 753-536 | 201 |
| | | | | ■ | | | 8-Channel Digital Output; 24 VDC; 0.5 A; Diagnostics | 750-537* | | 753-537 | 201 |
| | | | | ■ | | | 8-Channel Digital Output; 24 VDC; 0.5 A; 2-wire connection | 750-1515* | | | 202 |
| | | | | ■ | | | 8-Channel Digital Output; 24 VDC; 0.5 A; Low-side switching; 2-wire connection | 750-1516 | | | 202 |
| | | | | | ■ | | 8-Channel Digital Input/Output; 24 VDC; 0.5 A; Ribbon cable | 750-1502 | | | 203 |
| | | | | ■ | | 8-Channel Digital Input/Output; 24 VDC; 0.5 A | 750-1506 | | | 203 | |
| | | | | | ■ | 16-Channel Digital Output; 24 VDC; 0.5 A; Ribbon cable | 750-1500 | | | 204 | |
| | | | | | ■ | 16-Channel Digital Output; 24 VDC; 0.5 A | 750-1504 | | | 204 | |
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| | | | | | ■ | 16-Channel Digital Output; 24 VDC; 0.5 A; Low-side switching | 750-1505 | | | 205 | |
| 120/230 VAC | | ■ | | | | | 4-Channel Digital Output; 230 VAC; 0.25 A; Solid-state | | | 753-540 | 206 |
| 230 VAC/VDC | | ■ | | | | | 2-Channel Digital Output; 230 VAC; 0.3 A; Solid-state | 750-509 | | 753-509 | 206 |
| Relays | | ■ | | | | | 2-Channel Relay Output; 125 VAC; 0.5 A; Potential-free; 2 changeover contacts | 750-514 | | 753-514 | 207 |
| | | | ■ | | | | 2-Channel Relay Output; 250 VAC; 0.5 A; Potential-free; 2 changeover contacts | 750-517* | | 753-517 | 208 |
| | | | ■ | | | | 2-Channel Relay Output; 250 VAC; 2.0 A; 2 make contacts | 750-512 | | 753-512 | 208 |
| | | | ■ | | | | 2-Channel Relay Output; 250 VAC; 2.0 A; Potential-free; 2 make contacts | 750-513 | | 753-513 | 209 |
| | | | ■ | | | | 2-Channel Relay Output; 250 VAC; 2.0 A; Potential-free; 2 make contacts; without power jumper contacts | 750-513/000-001 | | 753-513/000-001 | 209 |
| | | | | ■ | | | 4-Channel Relay Output; 250 VAC; 2.0 A; Potential-free; 4 make contacts | 750-515 | | | 210 |
| | ■ | | | | | 1-Channel Relay Output; 250 VAC; 16 A; Potential-free; 1 make contact | 750-523 | | | 211 | |
| Functional Safety | | | | | | | | | | | See Section 5.8 |
| Ex i | | | | | | | | | | | See Section 5.9 |
| *This module is also available as a 750 XTR Series variant. | | | | | | | | | | | See Section 6 |

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| | | | | | | Standard | /S5 or /S7 Customized Data Format | Extended Temperature | Pluggable | |
| 0 ... 20 mA | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 2-Channel Analog Input; 0 ... 20 mA; Differential Input | 750-452 | 750-452/000-200 | | 753-452 | 214 |
| | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 2-Channel Analog Input; 0 ... 20 mA; Differential Input | 750-480 | | | 753-480 | 214 |
| | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 2-Channel Analog Input; 0 ... 20 mA; Single-ended | 750-465 | | 750-465/025-000 | 753-465 | 215 |
| | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 2-Channel Analog Input; 0 ... 20 mA; Single-ended 2-Channel Analog Input; 0 ... 20 mA; Single-ended; 60 Hz | 750-470 750-470/005-000 | | | | 215 |
| | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 2-Channel Analog Input; 0 ... 20 mA; Single-ended; 16 bits 2-Channel Analog Input; 0 ... 20 mA; Single-ended; 16 bits; 60 Hz | 750-472 750-472/005-000 | | | 753-472 | 216 |
| | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 4-Channel Analog Input; 0 ... 20 mA; Single-ended | 750-453* | | | 753-453 | 216 |
| 4 ... 20 mA | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 2-Channel Analog Input; 4 ... 20 mA; Differential input 2-Channel Analog Input; 4 ... 20 mA; Differential input; Extended measurement range | 750-454 750-454/000-003 | 750-454/000-200 | 750-454/025-000 750-454/025-003 | 753-454 | 217 |
| | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 2-Channel Analog Input; 4 ... 20 mA; Differential input | 750-492* | | | 753-492 | 218 |
| | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 2-Channel Analog Input; 4 ... 20 mA; Single-ended | 750-466 | 750-466/000-200 | 750-466/025-000 | 753-466 | 219 |
| | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 2-Channel Analog Input; 4 ... 20 mA; Single-ended 2-Channel Analog Input; 4 ... 20 mA; Single-ended; 60 Hz | 750-473 750-473/005-000 | | | | 220 |
| | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 2-Channel Analog Input; 4 ... 20 mA; Single-ended; 16 bits 2-Channel Analog Input; 4 ... 20 mA; Single-ended; 16 bits; 60 Hz | 750-474 750-474/005-000 | 750-474/000-200 | | 753-474 | 221 |
| | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 2-Channel Analog Input; 4 ... 20 mA HART | 750-482 750-482/000-001 | 750-482/000-300 | 750-482/025-000 | 753-482 | 222 |
| | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 4-Channel Analog Input; 4 ... 20 mA; Single-ended | 750-455* | | 750-455/025-000 | 753-455 | 223 |
| | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 4-Channel Analog Input; 4 ... 20 mA; Single-ended; 4 x 24 V | 750-455/020-000 | | | | 223 |
| 0/4 ... 20 mA | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 8-Channel Analog Input; 0/4 ... 20 mA; Single-ended | 750-496 | | | | 224 |
| 0 ... 1 A | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 2-Channel Analog Input; 0 ... 1 VAC/DC; Differential input | 750-475 | | | 753-475 | 225 |
| 0 ... 5 A | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 2-Channel Analog Input; 0 ... 5 VAC/DC; Differential input | 750-475/020-000 | | | | 225 |
| ±10 V | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 2-Channel Analog Input; ±10 VDC; Differential input | 750-456 | 750-456/000-200 | | 753-456 | 226 |
| | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 2-Channel Analog Input; ±10 VDC; Differential input 2-Channel Analog Input; ±10 VDC; Differential input; Synchronous | 750-479 750-479/000-001 | | | 753-479 | 226 |
| | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 2-Channel Analog Input; ±10 VDC; Single-ended; 16 bits | 750-476 | 750-476/000-200 | | 753-476 | 227 |
| | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 4-Channel Analog Input; ±10 VDC; Single-ended | 750-457* | | 750-457/025-000 | 753-457 | 227 |
| 0 ... 10 V | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 2-Channel Analog Input; 0 ... 10 VDC; Single-ended | 750-467 | | | 753-467 | 228 |
| | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 2-Channel Analog Input; 0 ... 10 VDC; Single-ended; 16 bits 2-Channel Analog Input; 0 ... 10 VDC; Single-ended; 16 bits; 60 Hz | 750-478 750-478/005-000 | | | 753-478 | 228 |
| | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 4-Channel Analog Input; 0 ... 10 VDC; Single-ended | 750-468* | | 750-468/025-000 | | 229 |
| | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 4-Channel Analog Input; 0 ... 10 VDC; Single-ended | 750-459 | | | 753-459 | 229 |
| 0 ... 10 V/±10 V | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 8-Channel Analog Input; 0 ... 10 VDC/±10 V; Single-ended | 750-497 | | | | 230 |
| 0 ... 10 VAC/DC | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 2-Channel Analog Input; 0 ... 10 VAC/DC; Differential input | 750-477 | | | 753-477 | 231 |
| 0 ... 30 V | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 2-Channel Analog Input; 0 ... 30 VDC; Differential input | 750-483* | | | 753-483 | 231 |
| Voltage/Current | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 4-Channel Analog Input; for voltage/current | 750-471 | | | | 232 |
| Resistance Sensors | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 2-Channel Analog Input; for Pt100/RTD resistance sensors | 750-461 | 750-461/000-200 | 750-461/025-000 | 753-461 | 234 |
| | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 2-Channel Analog Input; for Pt100/RTD resistance sensors; Adjustable | 750-461/003-000 | | | 753-461/003-000 | 234 |
| | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 2-Channel Analog Input; for NTC 20k resistance sensors | 750-461/020-000 | | | | 235 |
| | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 2/4-Channel Analog Input; Resistance measurement; Adjustable | 750-464* | | | | 236 |
| | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 4-Channel Analog Input; for NTC resistance sensors; Adjustable | 750-464/020-000 | | | | 236 |
| | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 4-Channel Analog Input; Resistance measurement; Measurement range: -30 °C ... +150 °C | 750-463 | | | | 237 |
| | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 4-Channel Analog Input; Resistance measurement; Adjustable | 750-450 | | | | 237 |
| Thermocouples | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 8-Channel Analog Input; Resistance measurement; Adjustable | 750-451 | | 750-451/025-000 | | 237 |
| | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 2-Channel Analog Input; Thermocouple K; Diagnostics | 750-469 | 750-469/000-200 | | 753-469 | 238 |
| | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 2-Channel Analog Input; Thermocouple K; Diagnostics; Adjustable | 750-469/003-000* | | | 753-469/003-000 | 238 |
| | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 2-Channel Analog Input; Thermocouple J; Diagnostics | 750-469/000-006 | | | | 239 |
| Analog Specialty Functions | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 8-Channel Analog Input; Thermocouple; Adjustable | 750-458 | | | | 239 |
| | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 1-Channel Analog Input; Resistor bridges (strain gauge) 1-Channel Analog Input; Resistor bridges (strain gauge); 125 ms conversion time | 750-491 750-491/000-001 | | | | 240 |
| | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 3-Phase Power Measurement; 480 VAC 1 A 3-Phase Power Measurement; 480 VAC 5 A | 750-493 750-493/000-001 | | 750-493/025-000 | | 241 |
| | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 3-Phase Power Measurement; 480 VAC 1 A 3-Phase Power Measurement; 480 VAC 5 A | 750-494 750-494/000-001 | | 750-494/025-000 750-494/025-001 | | 242 |
| | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Power Measurement; 277 VAC/DC; External shunts | 750-494/000-005 | | | | 243 |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 3-Phase Power Measurement; 690 VAC 1 A 3-Phase Power Measurement; 690 VAC 5 A 3-Phase Power Measurement; 690 VAC Rogowski coils | 750-495* 750-495/000-001* 750-495/000-002* | | | | 244 | |
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| *This module is also available as a 750 XTR Series variant. | | | | | | | | | | See Section 6 |

I/O System – 750 and 753 Series; Analog Output Modules

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| 0 ... 20 mA | <input checked="" type="checkbox"/> | | | 2-Channel Analog Output; 0 ... 20 mA | 750-552 | 750-552/000-200 | 750-552/025-000 | 753-552 | 248 |
| | | <input checked="" type="checkbox"/> | | 4-Channel Analog Output; 0 ... 20 mA | 750-553 | | | 753-553 | 249 |
| 4 ... 20 mA | <input checked="" type="checkbox"/> | | | 2-Channel Analog Output; 4 ... 20 mA | 750-554 | 750-554/000-200 | 750-554/025-000 | 753-554 | 250 |
| | | <input checked="" type="checkbox"/> | | 4-Channel Analog Output; 4 ... 20 mA | 750-555 | | | 753-555 | 251 |
| 0/4 ... 20 mA | <input checked="" type="checkbox"/> | | | 2-Channel Analog Output; 0/4 ... 20 mA; 16 bits; 6 ... 18 VDC | 750-563* | | | | 251 |
| 0 ... 10 V | <input checked="" type="checkbox"/> | | | 2-Channel Analog Output; 0 ... 10 VDC | 750-550 | 750-550/000-200 | | 753-550 | 252 |
| | <input checked="" type="checkbox"/> | | | 2-Channel Analog Output; 0 ... 10 VDC; 10 bits; 100 mW/24 V | 750-560 | | | | 252 |
| | | <input checked="" type="checkbox"/> | | 4-Channel Analog Output; 0 ... 10 VDC | 750-559* | | 750-559/025-000 | 753-559 | 253 |
| ±10 V | <input checked="" type="checkbox"/> | | | 2-Channel Analog Output; ±10 VDC | 750-556 | 750-556/000-200 | | 753-556 | 254 |
| | | <input checked="" type="checkbox"/> | | 4-Channel Analog Output; ±10 VDC | 750-557* | | | 753-557 | 254 |
| 0 ... 10 V/±10 V | <input checked="" type="checkbox"/> | | | 2-Channel Analog Output; 0 ... 10 VDC/±10 V; 16 bits | 750-562 | | | | 255 |
| | | | <input checked="" type="checkbox"/> | 8-Channel Analog Output; 0 ... 10 VDC/±10 V | 750-597 | | | | 255 |
| Ex i | | | | | See Section 5.9 | | | | |
| *This module is also available as a 750 XTR Series variant. | | | | | See Section 6 | | | | |

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I/O System – 750 and 753 Series; Function/Technology Modules

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| | 2 Up/Down Counters; 16 bits; 500 Hz | 750-638 | 750-638/025-000 | 753-638 | 260 |
| Pulse Width Outputs | 2 Pulse Width Outputs; 24 VDC; 0.1 A; 250 kHz | 750-511 | | 753-511 | 261 |
| | 2 Pulse Width Outputs; 24 VDC; 0.1 A; 2 kHz; Frequency counter | 750-511/000-001 | | | 261 |
| | 2 Pulse Width Outputs; 24 VDC; 0.1 A; 100 Hz | 750-511/000-002 | | | 261 |
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| | SSI Transmitter Interface; 24 bits; 250 kHz; Bin. code | 750-630/000-002 | | | 263 |
| | SSI Transmitter Interface; 24 bits; 125 kHz; Gray code; Status byte | 750-630/000-004 | | | 262 |
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| | SSI Transmitter Interface; 24 bits; 250 kHz; Gray code | 750-630/000-006 | | | 263 |
| | SSI Transmitter Interface; 25 bits; 125 kHz; Gray code | 750-630/000-008 | | | 263 |
| | SSI Transmitter Interface; 13 bits; 250 kHz; Bin. code | 750-630/000-009 | | | 263 |
| | SSI Transmitter Interface; 25 bits; 125 kHz; Bin. code | 750-630/000-011 | | | 263 |
| | SSI Transmitter Interface; 13 bits; 125 kHz; Gray code | 750-630/000-012 | | | 263 |
| | SSI Transmitter Interface; 29 bits; 125 kHz; Bin. code | 750-630/000-013 | | | 263 |
| | SSI Transmitter Interface; Adjustable | 750-630/003-000* | | | 262 |
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| | Incremental Encoder Interface; 24 VDC; Single-ended; 32 bits; Cam output | 750-637/000-004 | | | 265 |
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| Ex i | | See Section 5.9 | | | |
| *This module is also available as a 750 XTR Series variant. | | See Section 6 | | | |



I/O-System – 750 and 753 Series, Communication Modules

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| | Serial Interface RS-232 C; 2400 baud; None; 8/1 bits | 750-650/000-012 | | | 279 |
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| | Serial TTY Interface; 9600 baud; Even; 8/1 bits | 750-651/000-002 | | | 283 |
| EnOcean | Radio Receiver EnOcean | 750-642 | | | 284 |
| KNX | KNX/EIB/TP1 Interface | | | 753-646 | 285 |
| DALI | DALI Multi-Master | | | 753-647 | 286 |
| LON® | LON® FTT Interface | | | 753-648 | 287 |
| MP-Bus | MP-Bus Master | 750-643 | | | 288 |
| M-Bus | M-Bus Master | | | 753-649 | 289 |
| SMI | SMI Master Module; for drives with 230 VAC | | | 753-1630 | 290 |
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| AS-Interface Master | AS-Interface Master | 750-655 | | 753-655 | 291 |
| IO-Link Master | IO-Link Master | 750-657 | | | 292 |
| CAN Gateway | CAN Gateway | 750-658* | | | 293 |
| Data Exchange | Serial Data Exchange Interface | 750-654 | | | 294 |
| *This module is also available as a 750 XTR Series variant. | | See Section 6 | | | |

I/O System – 750 and 753 Series, Functional Safety

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| Fail-Safe Digital Inputs/Outputs PROFIsafe | Fail-Safe Digital Input/Output, 4/4 Channels; 24 VDC; 0,5 A; PROFIsafe | 750-665/000-001 | | 302 |
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| | Fail-Safe Digital Input/Relay Output, 4/4 Channels; 48 VAC/60 VDC; 6 A; PROFIsafe V 2.0 iPar | 750-669/000-003 | | 306 |
| Intrinsically Safe Digital Input for Functional Safety | Intrinsically Safe 4-Channel Digital Input; 24 VDC; PROFIsafe V 2.0 iPar | 750-663/000-003 | | 307 |
| | Classification of binary 24 V interfaces with testing in the field of functional safety according to position paper CB24I of ZVEI (German Electrical and Electronic Manufacturer's Association) | | | 298 |
| Supply Modules Ex i  | The intrinsically safe I/O module with inputs for functional safety (750-663/000-003) must only be operated using an Ex i 24 VDC power supply (e.g., 750-606, 750-625/000-001)! General information (e.g., installation regulations) on explosion protection is available in the WAGO-I/O-SYSTEM 750 manuals! | | | |
| | Supply Module; 24 VDC; Diagnostics; Intrinsically safe | 750-606 | | 310 |
| | Power Supply; 24 VDC; Intrinsically safe | 750-625/000-001 | | 310 |
| Filter Modules  | The mixed operation of safe and conventional I/O modules streamlines system configuration. For increased electromagnetic immunity (EMC standard), WAGO offers compact power supply filter modules (see Section 4.10). Specific power supply features must be considered, which are described in the corresponding manuals. | | | |
| | Field Supply Filter (Surge); 24 VDC; Higher isolation | 750-624/020-000 | | 334 |
| | Supply Filter; 24 VDC; Higher isolation | 750-626/020-000 | | 336 |

I/O System – 750 and 753 Series; Intrinsically Safe Modules Ex i

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| | Intrinsically Safe 4-Channel Digital Input; 24 VDC; PROFIsafe V 2.0 iPar | 750-663/000-003 | 312 |
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| Analog Inputs Ex i | 2-Channel Analog Input; 4 ... 20 mA; Intrinsically safe | 750-485 | 316 |
| | 4-Channel Analog Input; 0/4 ... 20 mA; NAMUR NE43; Intrinsically safe | 750-486* | 316 |
| | 2-Channel Analog Input; 4 ... 20 mA HART; Intrinsically safe | 750-484* | 317 |
| | 2-Channel Analog Input; 4 ... 20 mA HART; NAMUR NE43; Intrinsically safe | 750-484/000-001 | 317 |
| | 2-Channel Analog Input; RTD; Intrinsically safe | 750-481/003-000* | 318 |
| | 2-Channel Analog Input; TC; Intrinsically safe | 750-487/003-000 | 318 |
| Analog Outputs Ex i | 2-Channel Analog Output; 0 ... 20 mA; Intrinsically safe | 750-585* | 319 |
| | 2-Channel Analog Output; 4 ... 20 mA; Intrinsically safe | 750-586 | 319 |
| Function Module Ex i | Up/Down Counter; Intrinsically safe | 750-633* | 320 |
| *This module is also available as a variant of the 750 XTR Series. | | See Section 6 | |

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Ex i



I/O System –
750 XTR Series

I/O System – 750 and 753 Series, Supply/Segment Modules

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| | Power Supply; 24 VDC/5 ... 15 VDC | 750-623 | | | 324 | |
| | Power Supply; 24 VDC; Fuse holder | 750-601* | | | 325 | |
| | Power Supply; 24 VDC; Fuse holder; Diagnostics | 750-610* | | | 325 | |
| | 24 VDC with Bus Power Supply | System Power Supply; 24 VDC | 750-613* | | | 326 |
| | | Power Supply; 0 ... 230 VAC/DC | 750-612* | | 753-612 | 327 |
| | 230 VAC/DC | Power Supply; 24 VAC; Fuse holder | 750-617 | | | 328 |
| | 24 VAC | Power Supply; 120 VAC; Fuse holder | 750-615 | | | 328 |
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| | Potential Distribution; 8x 24 V | 750-603 | | 753-603 | 332 | |
| | Potential Distribution; 8x 0 V | 750-604 | | 753-604 | 332 | |
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| | Potential Distribution; 16x 0 V | 750-1606* | | | 333 | |
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| | Field Supply Filter (Surge); 24 VDC; Higher isolation; Without power jumper contacts | 750-624/020-001* | | | 334 | |
| | Field Supply Filter (Surge); 24 VDC; Higher isolation; Ground fault diagnostics | 750-624/020-002 | | | 334 | |
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| | Supply Filter; 24 VDC; Higher isolation | 750-626/020-000* | 750-626/025-001 | | 336 | |
| | Supply Filter; 24 VDC; Higher isolation; Ground fault diagnostics | 750-626/020-002 | | | 336 | |
| | Supply Filter; 24 VDC | 750-626 | 750-626/025-000 | | 337 | |
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| Ex i | | See Section 5.9 | | | | |
| *This module is also available as a variant of the 750 XTR Series. | | See Section 6 | | | | |

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Industrial Switches

Industrial Switches

- Copper cables
- Fiber optic cables
- Ring redundancy

Industrial Switches

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