

Data sheet | Item number: 852-112
Industrial-ECO-Switch; 8-port 100Base-TX; black

www.wago.com/852-112



RoHS
Compliant ✓

[BOMcheck.net](https://www.bomcheck.net)

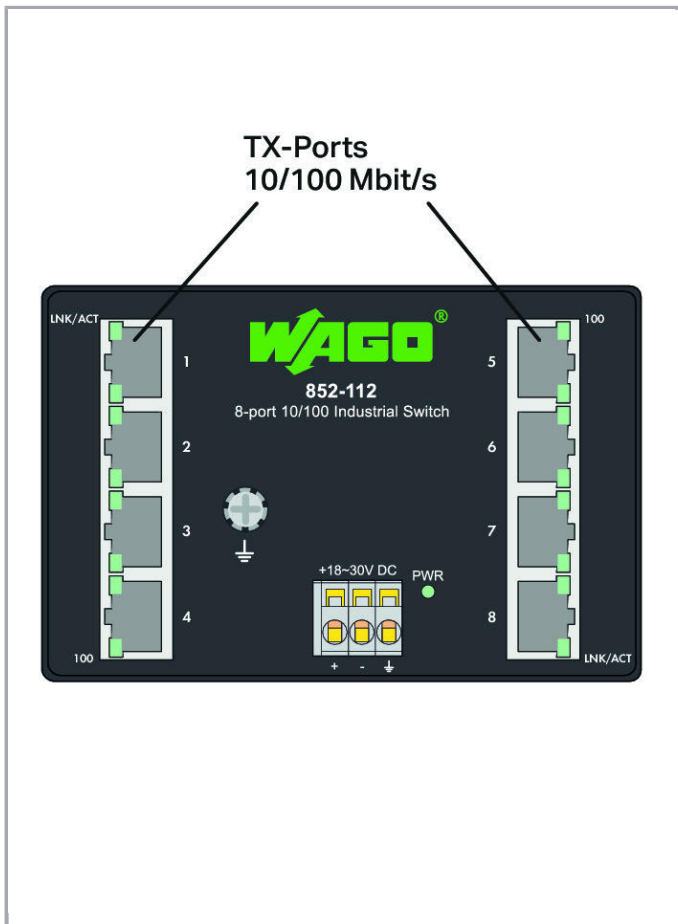
Color: ■



Subject to changes. Please also observe the further product documentation!

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Do you have any questions about our products?
We are always happy to take your call at +49 (571) 887-44222.



Item description

The 852-112 Industrial ECO Switch is an 8-port 10/100Base-TX ETHERNET switch supporting autonegotiation and Auto-MDI-/MDI-X detection for each port.

The 852-112 Switch is a cost-effective solution to keep up with the constant demands for emerging IP-based industry communication needs.

This switch is easy to configure and install and is best suited for small to medium-sized networks.

Features:

- 8 ETHERNET ports, 10/100 Mbps autonegotiation
- Front-panel diagnostic LEDs
- Supports Auto-MDI/MDI-X functions
- Full/half-duplex transfer modes for each port
- Store-and-forward switching method
- Integrated address look-up table, supports 2000 absolute MAC addresses
- Overvoltage protection

Subject to changes. Please also observe the further product documentation!



- IEEE 802.3x flow control in full-duplex mode
- DIN-35 rail mounting

Data

Technical Data

| | |
|--|--|
| Switchingmodus | Store-and-forward; non-blocking |
| Number of 100Base-TX ports | 8 |
| Communication standards | IEEE 802.3 10BASE-T IEEE 802.3u 100BASE-TX IEEE 802.3x Flow Control |
| MAC table (large) | 2000 addresses |
| Jumbo frame size | 1536. Byte |
| Supply voltage | DC 18 ... 30 V |
| Energy consumption max. | 3 W |
| Baud rate | Copper cable: 10/100 Mbit/s |
| Transmission medium (communication/fieldbus) | Copper cable: Cat. 5 or higher, 100 m maximum cable length |
| Topology | Star |
| Indicators | Device: LED (PWR) green: Power supply; per port: LED (100, LNK /ACT) green: Status 100 Mbps, LNK/ACT ports 1 ... 8 |

Connection data

| | |
|---|--|
| Connection technology: communication/fieldbus | Copper cable: 8 x RJ-45 |
| Anschlussstechnik: Versorgung | 1 x Built-in PCB terminal block: 739-103 |

Geometrical Data

| | |
|---------------------------------------|-----------------------|
| Width | 109,2 mm / 4.299 inch |
| Height from upper-edge of DIN-35 rail | 32 mm / 1.26 inch |
| Depth | 73,8 mm / 2.906 inch |

Mechanical data

| | |
|------------------|-------------|
| Weight | 415 g |
| Color | black |
| Housing material | Sheet steel |

Environmental Requirements

| | |
|---|---------------|
| Surrounding air (operating) temperature | -40 ... 70 °C |
| Surrounding air (storage) temperature | -40 ... 80 °C |

Subject to changes. Please also observe the further product documentation!

| | |
|---|--------------------|
| Protection class | IP30 |
| Relative air humidity (no condensation) | 95 % |
| Type of mounting | DIN-35 rail |
| Vibration resistance | per IEC 60068-2-6 |
| Shock resistance | per IEC 60068-2-27 |




Commercial data

| | |
|--------------------|-----------------------------|
| Product Group | 27 (Special components I/O) |
| Packaging type | BOX |
| Country of origin | TW |
| GTIN | 4045454847586 |
| Customs Tariff No. | 85176200000 |

Counterpart

Compatible products

power supply

| | |
|--|---|
| | Item no.: 787-1102 Switched-mode power supply; Compact; 1-phase; 24 VDC output voltage; 1.3 A output current; DC OK signal www.wago.com/787-1102 |
| | Item no.: 787-1112 Switched-mode power supply; Compact; 1-phase; 24 VDC output voltage; 2.5 A output current; DC OK signal www.wago.com/787-1112 |
| | Item no.: 787-1122 Switched-mode power supply; Compact; 1-phase; 24 VDC output voltage; 4 A output current; DC OK signal www.wago.com/787-1122 |
| | Item no.: 787-1226 Switched-mode power supply; Compact; 1-phase; 24 VDC output voltage; 6 A output current www.wago.com/787-1226 |
|  | Item no.: 787-1702 Switched-mode power supply; Eco; 1-phase; 24 VDC output voltage; 1.25 A output current www.wago.com/787-1702 |
|  | Item no.: 787-1712 Switched-mode power supply; Eco; 1-phase; 24 VDC output voltage; 2.5 A output current www.wago.com/787-1712 |
|  | Item no.: 787-1722 Switched-mode power supply; Eco; 1-phase; 24 VDC output voltage; 5 A output current www.wago.com/787-1722 |

wiring and connectors

Item no.: 750-975

Subject to changes. Please also observe the further product documentation!



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

www.wago.com/750-975

Item no.: 750-976

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

www.wago.com/750-976

Item no.: 750-977/000-011

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

www.wago.com/750-977/000-011

Item no.: 750-977/000-012

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

www.wago.com/750-977/000-012

Item no.: 750-977/000-013

Connector PROFINET; RJ-45; Cat. 6A; straight; AWG 22

www.wago.com/750-977/000-013

Item no.: 750-977/000-021

Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568A; AWG 24

www.wago.com/750-977/000-021

Item no.: 750-977/000-022

Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568B; AWG 24

www.wago.com/750-977/000-022



Item no.: 750-978/000-011

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

www.wago.com/750-978/000-011



Item no.: 750-978/000-012

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

www.wago.com/750-978/000-012



Item no.: 750-978/000-013

Connector PROFINET; RJ-45; Cat. 6A; straight; AWG 22; Strain relief

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Item no.: 750-978/000-021

Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568A; AWG 24; Strain relief

www.wago.com/750-978/000-021

Item no.: 750-978/000-022

Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568B; AWG 24; Strain relief

www.wago.com/750-978/000-022

Item no.: 750-979/000-011

Connector ETHERNET; RJ-45; Cat. 6A; angled; Code T568A; AWG 22; Strain relief

www.wago.com/750-979/000-011

Item no.: 750-979/000-012

Connector ETHERNET; RJ-45; Cat. 6A; angled; Code T568B; AWG 22; Strain relief

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Connector ETHERNET; RJ-45; Cat. 6A; angled; Code T568B; AWG 24; Strain relief

www.wago.com/750-979/000-022

transfer module



Item no.: 289-172
Interface module; RJ-45; RJ-45; Cat. 5; in mounting carrier

www.wago.com/289-172



Item no.: 289-175
Interface module; RJ-45; PCB terminal blocks, double-row; Cat. 5; in mounting carrier; with shield connection; with shield clamping saddle; 1,50 mm²

www.wago.com/289-175

Item no.: 289-195
Interface module; RJ-45; IDC technology; Cat. 6; in mounting carrier; with shield connection

www.wago.com/289-195



Item no.: 289-196
Interface module; RJ-45; with power jumper contacts; PCB terminal blocks; Cat. 5

www.wago.com/289-196

Downloads

Documentation

Manual

| | | | |
|---|---------|-----------------|----------|
| 8-Port 100BASE-TX Industrial ECO Switch | V 1.0.0 | pdf 811.7 kB | Download |
|---|---------|-----------------|----------|

Installation manual

| | | | |
|---|--|---------------|----------|
| Gebrauchs- und Montageanleitung 852-111 / 852-112 | | pdf 1.7 MB | Download |
|---|--|---------------|----------|

Additional Information

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

System Description

| | | | |
|---|--|---------------|----------|
| Industrial Switches – General Product Information | | pdf 2.0 MB | Download |
|---|--|---------------|----------|

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CAD/CAE-Data

CAD data

| | | |
|----------------------|---------------------|--------------------------|
| 2D/3D Models 852-112 | URL | Download |
|----------------------|---------------------|--------------------------|

CAE data

| | | |
|---------------------------|---------------------|--------------------------|
| EPLAN Data Portal 852-112 | URL | Download |
|---------------------------|---------------------|--------------------------|

| | | |
|------------------------|---------------------|--------------------------|
| WSCAD Universe 852-112 | URL | Download |
|------------------------|---------------------|--------------------------|

Installation Notes

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