

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

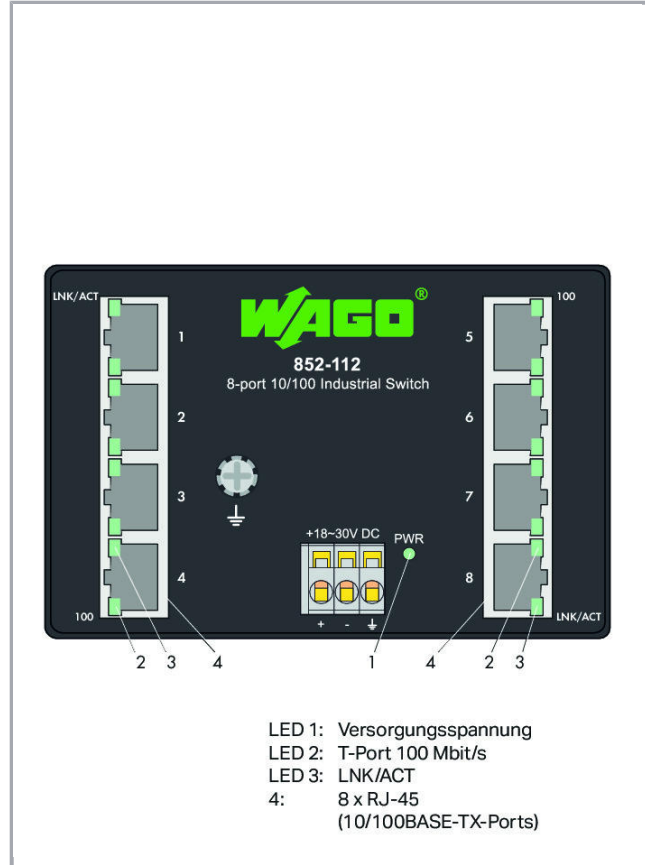
[www.wago.com/852-112](http://www.wago.com/852-112)



RoHS  
Compliant ✓

[BOMcheck.net](http://BOMcheck.net)

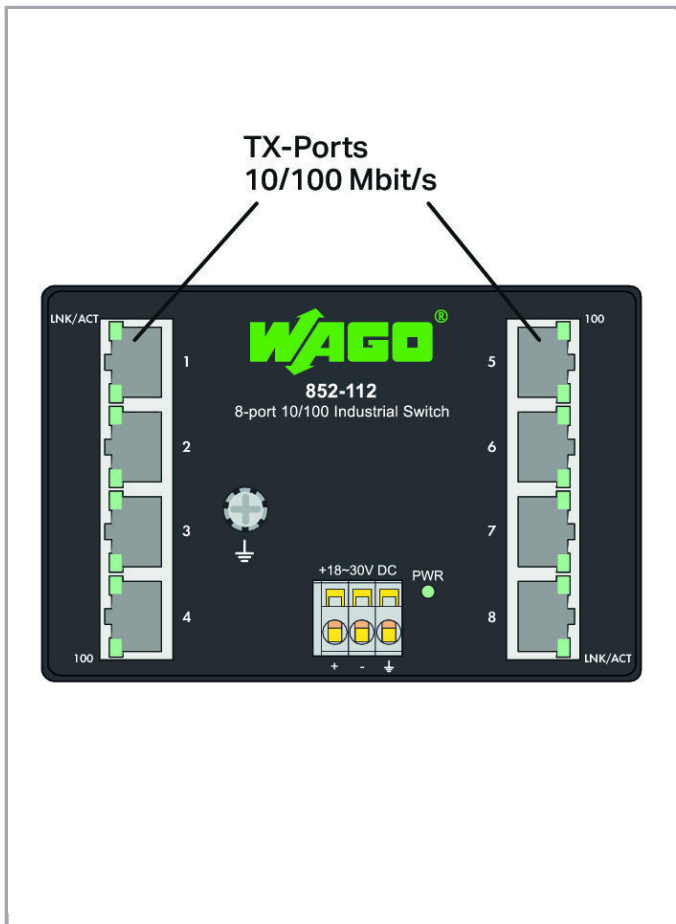
Color: ■



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

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## 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
- IEEE 802.3x flow control in full-duplex mode

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- DIN-35 rail mounting

## Data

### Technical Data

Switching mode	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 (size)	2000 addresses
Jumbo frame size	1536. Byte
Supply voltage	DC 18 ... 30 V
Power 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
Connection technology: supply	1 x Built-in PCB terminal block: 739-103

### Geometrical Data

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

### Mechanical data

Weight	415 g
Color	black
Housing material	Sheet steel

### Environmental Requirements

Surrounding air temperature (operation)	-40 ... 70 °C (UL max. +60 °C)
Surrounding air temperature (storage)	-40 ... 80 °C

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Protection type	IP30
Relative humidity (without condensation)	95 %
Mounting type	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 number	85176200000




### Counterpart

### Compatible products


#### transfer module


	<b>Item no.: 289-172</b> Interface module; RJ-45; RJ-45; Cat. 5; in mounting carrier	<a href="http://www.wago.com/289-172">www.wago.com/289-172</a>
	<b>Item no.: 289-175</b> Interface module; RJ-45; PCB terminal blocks, double-row; Cat. 5; in mounting carrier; with shield connection; with shield clamping saddle; 1,50 mm <sup>2</sup>	<a href="http://www.wago.com/289-175">www.wago.com/289-175</a>
	<b>Item no.: 289-195</b> Interface module; RJ-45; IDC technology; Cat. 6; in mounting carrier; with shield connection	<a href="http://www.wago.com/289-195">www.wago.com/289-195</a>
	<b>Item no.: 289-196</b> Interface module; RJ-45; with power jumper contacts; PCB terminal blocks; Cat. 5	<a href="http://www.wago.com/289-196">www.wago.com/289-196</a>


#### power supply


	<b>Item no.: 787-1102</b> Switched-mode power supply; Compact; 1-phase; 24 VDC output voltage; 1.3 A output current; DC OK signal	<a href="http://www.wago.com/787-1102">www.wago.com/787-1102</a>
	<b>Item no.: 787-1112</b> Switched-mode power supply; Compact; 1-phase; 24 VDC output voltage; 2.5 A output current; DC OK signal	<a href="http://www.wago.com/787-1112">www.wago.com/787-1112</a>
	<b>Item no.: 787-1122</b> Switched-mode power supply; Compact; 1-phase; 24 VDC output voltage; 4 A output current; DC OK signal	<a href="http://www.wago.com/787-1122">www.wago.com/787-1122</a>
	<b>Item no.: 787-1226</b>	

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 Switched-mode power supply; Compact; 1-phase; 24 VDC output voltage; 6 A output current; DC-OK LED [www.wago.com/787-1226](http://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; DC-OK LED [www.wago.com/787-1702](http://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; DC-OK LED [www.wago.com/787-1712](http://www.wago.com/787-1712)

 **Item no.: 787-1722**  
Switched-mode power supply; Eco; 1-phase; 24 VDC output voltage; 5 A output current; DC-OK LED [www.wago.com/787-1722](http://www.wago.com/787-1722)


#### wiring and connectors

 **Item no.: 750-975**  
ETHERNET RJ-45 connector, IP20; ETHERNET 10/100 Mbit/s; for field assembly; light gray [www.wago.com/750-975](http://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](http://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](http://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](http://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](http://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](http://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](http://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](http://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](http://www.wago.com/750-978/000-012)

 **Item no.: 750-978/000-013**  
Connector PROFINET; RJ-45; Cat. 6A; straight; AWG 22; Strain relief [www.wago.com/750-978/000-013](http://www.wago.com/750-978/000-013)

 **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](http://www.wago.com/750-978/000-021)

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	<p><b>Item no.: 750-978/000-022</b> Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568B; AWG 24; Strain relief</p>	<a href="http://www.wago.com/750-978/000-022">www.wago.com/750-978/000-022</a>
	<p><b>Item no.: 750-979/000-011</b> Connector ETHERNET; RJ-45; Cat. 6A; angled; Code T568A; AWG 22; Strain relief</p>	<a href="http://www.wago.com/750-979/000-011">www.wago.com/750-979/000-011</a>
	<p><b>Item no.: 750-979/000-012</b> Connector ETHERNET; RJ-45; Cat. 6A; angled; Code T568B; AWG 22; Strain relief</p>	<a href="http://www.wago.com/750-979/000-012">www.wago.com/750-979/000-012</a>
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## Downloads

### Documentation

Manual			
8-Port 100BASE-TX Industrial ECO Switch	V 1.0.1 Jun 4, 2020	pdf 845.1 kB	Download
Bid Text			
852-112 doc - Datei	Oct 9, 2017	doc 27.6 kB	Download
852-112 GAEB X81 - Datei	Feb 19, 2019	xml 4.9 kB	Download
Installation manual			
Gebrauchs- und Montageanleitung 852-111 / 852-112		pdf 1.7 MB	Download

### System Description

Industrial Switches – General Product Information	pdf	Download
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2.0 MB

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## CAD/CAE-Data

### CAD data

2D/3D Models 852-112	<a href="#">URL</a>	<a href="#">Download</a>
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### CAE data

EPLAN Data Portal 852-112	<a href="#">URL</a>	<a href="#">Download</a>
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WSCAD Universe 852-112	<a href="#">URL</a>	<a href="#">Download</a>
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## Installation Notes

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