

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

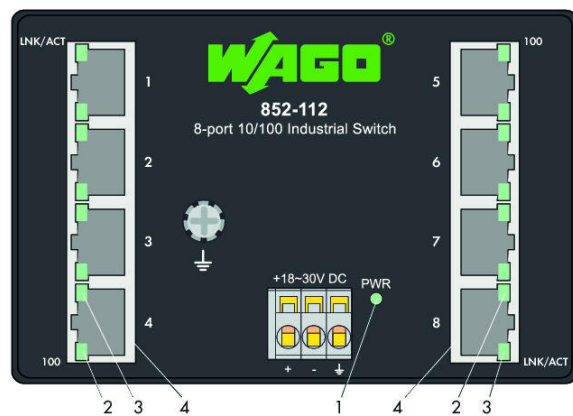
www.wago.com/852-112



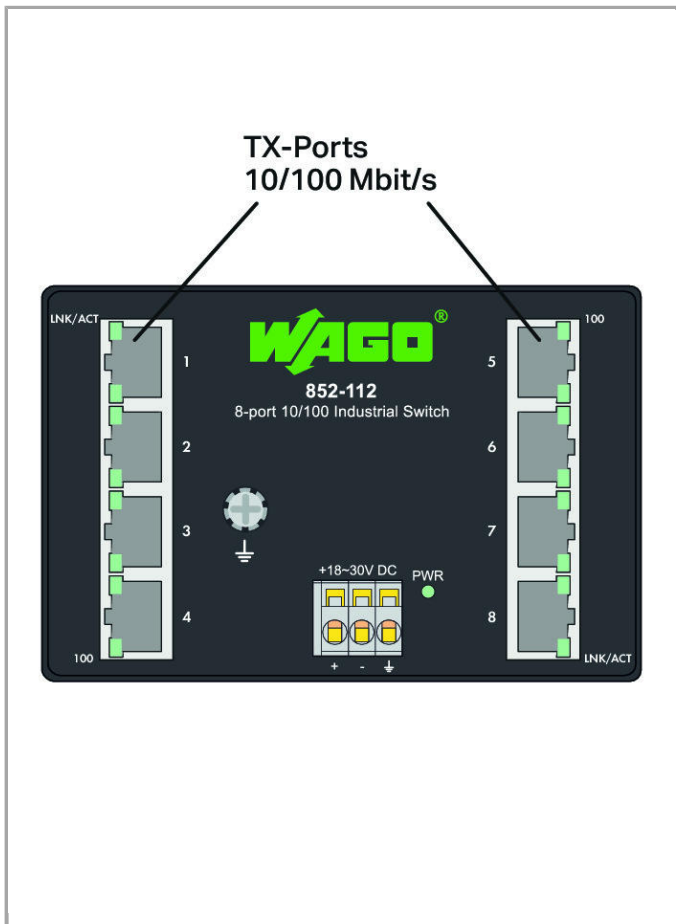
RoHS
Compliant

BOMcheck.net

Color: ■



LED 1: Versorgungsspannung
LED 2: T-Port 100 Mbit/s
LED 3: LNK/ACT
4: 8 x RJ-45
(10/100BASE-TX-Ports)



Item description

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

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

The 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
- 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 oder besser, 100 m maximale Leitungslänge
Topology	Star
Indicators	Device: LED (PWR) green: Power supply; per port: LED (100, LNK /ACT) green: status 100 Mbps, LNK/ACT port 1 ... 8

Connection data

Connection technology: communication/fieldbus	Copper cable: 8 x RJ-45
Anschlussstechnik: Versorgung	1 x im Gerät verbaute Leiterplattenklemme: 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
Protection class	IP30
Relative air humidity (no condensation)	95 %
Type of mounting	DIN-35 rail
Vibration resistance	acc. to IEC 60068-2-6
Shock resistance	acc. to IEC 60068-2-27

Commercial data

Product Group	27 (Special components I/O)
Country of origin	TW
GTIN	4045454847586

Compatible products

transfer module

	Item no.: 289-172 Interface module for ETHERNET RJ-45	www.wago.com/289-172
	Item no.: 289-175 Interface module for ETHERNET RJ-45	www.wago.com/289-175
	Item no.: 289-195 Interface module for ETHERNET RJ-45; for DIN 35 rail; with shield connection	www.wago.com/289-195
	Item no.: 289-196 Interface module with RJ-45 connectors; CAGE CLAMP® CONNECTION; with LED; Fused	www.wago.com/289-196

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

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**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

www.wago.com/750-979/000-012**Item no.: 750-979/000-013**

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

www.wago.com/750-979/000-013**Item no.: 750-979/000-021**

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

www.wago.com/750-979/000-021**Item no.: 750-979/000-022**

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

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



Downloads

Documentation

Manual

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

Instruction Leaflet

Operating and assembly instructions 852-111 / 852-112		pdf 1.7 MB	Download
---	--	---------------	----------

Installation manual

Operating and assembly instructions 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
---	--	---------------	----------

CAD/CAE - Smart Data

CAD data

3D Download 852-112		URL	Download
---------------------	--	-----	----------

Subject to changes.