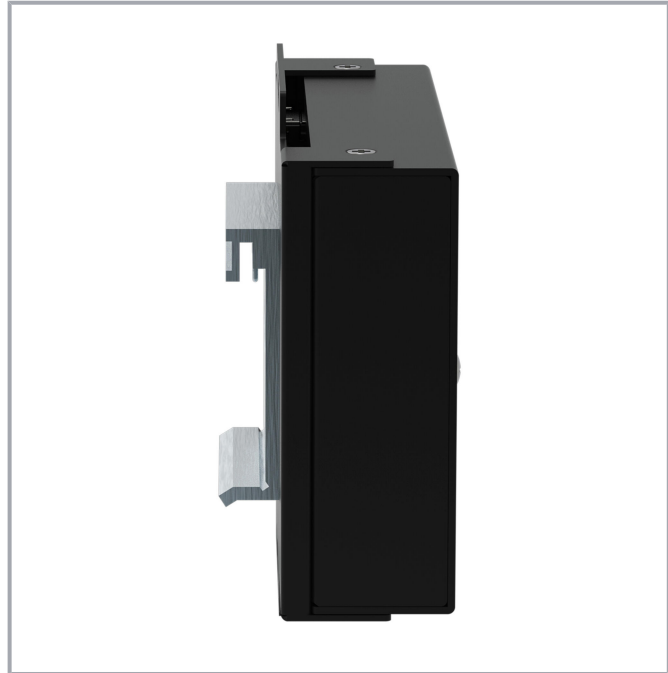




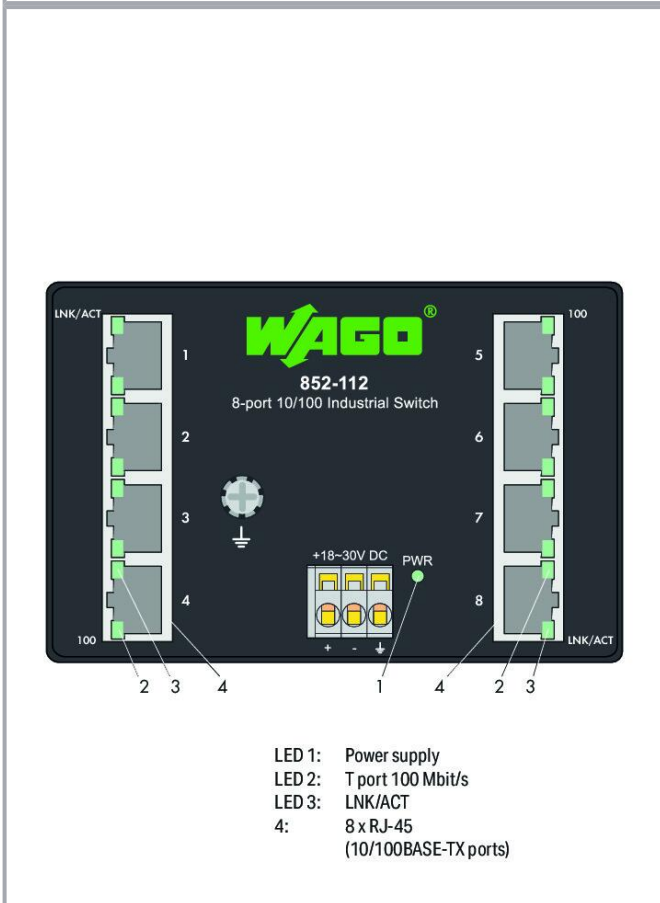
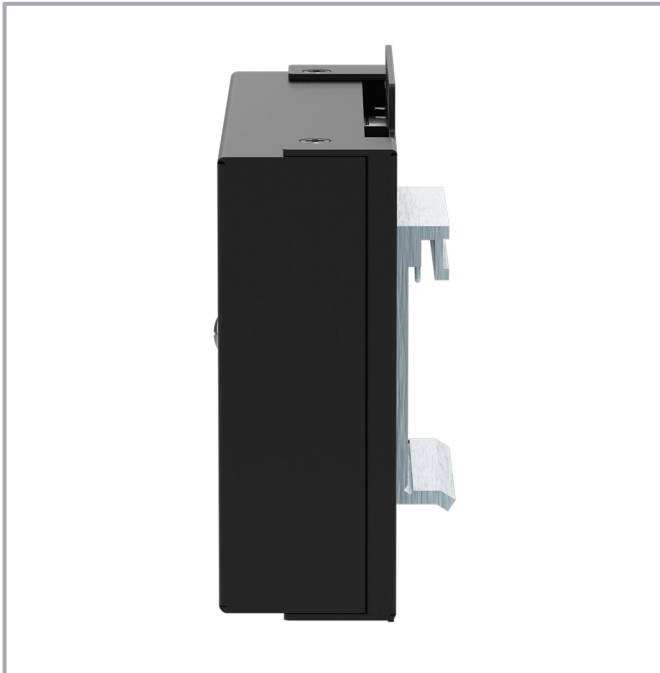
Color:



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

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Do you have any questions about our products?
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Successor model



Item no.852-112/000-001
Industrial-ECO-Switch; 8-port 100Base-TX; black

www.wago.com/852-112/000-001

Item description

This unmanaged industrial ETHERNET switch (852-112) has eight Fast ETHERNET ports for easily setting up small- to medium-sized networks. Its slim design paired with a DIN-rail adapter simplifies installation in the control cabinet and provides high vibration and shock resistance. Additionally, automatic transmission rate detection (auto-negotiation) and automatic identification of the transmit and receive lines (Auto MDI-X) allow simple plug-and-play operation, saving time and money during commissioning.

Features:

- 8 ETHERNET ports 10/100 Mbit/s 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
- Data flow control, per IEEE 802.3x Flow Control, in full-duplex mode
- DIN-35 rail mounting

Data

Technical data

Switching mode	Store-and-forward; non-blocking
Number of 100 Mbit/s 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	18 ... 30 VDC
Power consumption (max.)	3 W
ESD (contact/air discharge)	4 KV / 8 KV
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)

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/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

Physical data

Width	109.2 mm / 4.299 inches
Height	73.8 mm / 2.906 inches
Depth	24 mm
Depth from upper-edge of DIN-rail	32 mm / 1.26 inches

Mechanical Data

Weight	415 g
Color	black
Housing material	Sheet steel

Environmental requirements

Ambient temperature (operation)	-40 ... +70 °C (UL max. +60 °C)
Ambient temperature (storage)	-40 ... +80 °C
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)
eCl@ss 10.0	19-17-01-30
eCl@ss 9.0	19-17-01-06
ETIM 8.0	EC000734
ETIM 7.0	EC000734
PU (SPU)	1 pcs
Packaging type	box
Country of origin	TW
GTIN	4045454847586

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Customs tariff number

8517620000




Environmental Product Compliance

RoHS Compliance Status

Compliant, No Exemption

Approvals / Certificates






General approvals

Logo	Approval	Additional Approval Text	Certificate name
	EAC Brjansker Zertifizierungsstelle	TP TC 020/2011	EAC RU C-DE.AM02.B.00087/19
	KC National Radio Research Agency	Article 58-2, Clause 3	MSIP-REM-W43-ISW852
	UL Underwriters Laboratories Inc. (ORDINARY LOCATIONS)	UL 508	E175199 Sec.7

Optional accessories

Cables and pluggable connectors

Connector plug

	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.: 750-978/000-012 Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568B; AWG 22; Strain relief	www.wago.com/750-978/000-012
	Item no.: 750-979/000-012 Connector ETHERNET; RJ-45; Cat. 6A; angled; Code T568B; AWG 22; Strain relief	www.wago.com/750-979/000-012
	Item no.: 750-978/000-021 Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568A; AWG 24; Strain relief	www.wago.com/750-978/000-021

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	<p>Item no.: 750-979/000-022 Connector ETHERNET; RJ-45; Cat. 6A; angled; Code T568B; AWG 24; Strain relief</p>	<p>www.wago.com/750-979/000-022</p>
	<p>Item no.: 750-978/000-022 Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568B; AWG 24; Strain relief</p>	<p>www.wago.com/750-978/000-022</p>
	<p>Item no.: 750-979/000-011 Connector ETHERNET; RJ-45; Cat. 6A; angled; Code T568A; AWG 22; Strain relief</p>	<p>www.wago.com/750-979/000-011</p>
	<p>Item no.: 750-979/000-013 Connector PROFINET; RJ-45; Cat. 6A; angled; AWG 22; Strain relief</p>	<p>www.wago.com/750-979/000-013</p>
	<p>Item no.: 750-979/000-021 Connector ETHERNET; RJ-45; Cat. 6A; angled; Code T568A; AWG 24; Strain relief</p>	<p>www.wago.com/750-979/000-021</p>
	<p>Item no.: 750-977/000-011 Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568A; AWG 22</p>	<p>www.wago.com/750-977/000-011</p>
	<p>Item no.: 750-978/000-013 Connector PROFINET; RJ-45; Cat. 6A; straight; AWG 22; Strain relief</p>	<p>www.wago.com/750-978/000-013</p>
	<p>Item no.: 750-978/000-011 Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568A; AWG 22; Strain relief</p>	<p>www.wago.com/750-978/000-011</p>
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	<p>Item no.: 750-977/000-012 Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568B; AWG 22</p>	<p>www.wago.com/750-977/000-012</p>
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	<p>Item no.: 750-977/000-021 Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568A; AWG 24</p>	<p>www.wago.com/750-977/000-021</p>

Power supplies

Power supply unit

	<p>Item no.: 787-1722 Switched-mode power supply; Eco; 1-phase; 24 VDC output voltage; 5 A output current; DC-OK LED</p>	<p>www.wago.com/787-1722</p>
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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



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



Item no.: 787-1102

Switched-mode power supply; Compact; 1-phase; 24 VDC output voltage; 1.3 A output current; DC-OK LED

www.wago.com/787-1102



Item no.: 787-1226

Switched-mode power supply; Compact; 1-phase; 24 VDC output voltage; 6 A output current; DC-OK LED

www.wago.com/787-1226

Interface module

Interface module



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.: 289-175

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.: 289-172

Interface module; RJ-45; RJ-45; Cat. 5; in mounting carrier

www.wago.com/289-172



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

Product Manual 8-Port 100BASE-TX Industrial ECO Switch	V 1.0.2 2020 Jul 14	pdf 1.1 MB	Download
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Bid Text

852-112 X81 - Datei	2019 Feb 19	xml 4.9 kB	Download
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852-112 doc - Datei	2017 Oct 9	doc 27.6 kB	Download
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Installation manual

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Gebrauchs- und Montageanleitung 852-111 / 852-112

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Additional Information

Disposal and Recycling
Electrical and electronic equipment, Batteries, Packaging

V 1.1.0
2022 Aug 18

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System Description

Industrial Switches – General Product Information

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CAD/CAE-Data

CAD data

2D/3D Models 852-112

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CAE data

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Environmental Product Compliance

Compliance Search

Environmental Product Compliance 852-112
Industrial-ECO-Switch; 8-port 100Base-TX; black

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Installation Notes

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