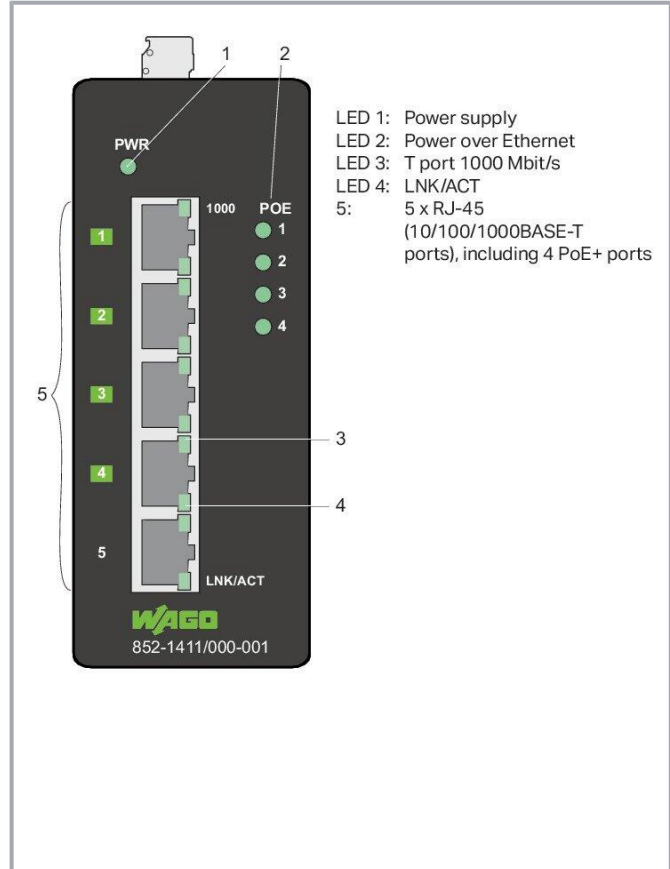




Color: ■



Item description

This unmanaged industrial ETHERNET switch (852-1411/000-001) has five Gigabit ETHERNET ports, four of which support Power over Ethernet (PoE+) at 30 W. The four PoE+ ports (IEEE 802.3at) can be used simultaneously to power PoE end devices (powered devices). The integrated voltage transformer enables operation with 24 VDC, which is the standard supply voltage in control cabinets.

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.

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



Features:

- 5 ETHERNET ports 10/100/1000 Mbit/s Autonegotiation
- 4 PoE+ ports (IEEE 802.3at)
- 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 up to 8000 absolute MAC addresses
- Overvoltage protection
- IEEE 802.3x flow control in full-duplex mode
- LED indicator for PoE diagnostics
- DIN-35 rail mounting

Data

Notes

Note	Observe PoE budget for UL: for supply voltage \geq 48 VDC and 120 watt PoE budget or $<$ 48 VDC and 60 watt PoE budget
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Technical data

Number of 1 Gbit/s ports	5
Communication standards	IEEE 802.3 10BASE-T IEEE 802.3u 100BASE-TX IEEE 802.3ab 1000BASE-T IEEE 802.3x Flow Control IEEE 802.3af Power over Ethernet (PoE) IEEE 802.3at High Power over Ethernet (PoE+) IEEE 802.1p Prioritization
MAC table (size)	8000 addresses
Jumbo frame size	10000. Byte
Supply voltage	24 ... 57 VDC
Power consumption (max.)	13 W
Power consumption (note)	133 W with 4 PoE
Baud rate	Copper cable: 10/1000 Mbit/s
Transmission medium (communication/fieldbus)	Copper cable: Cat. 5e or higher, 100 m maximum cable length
Topology	Star
Indicators	Device: LED (PWR) green: Power supply; LED (PoE 1 ... 4) green:

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Power over Ethernet; per port: LED (1000, LNK/ACT) green: Status
1000 Mbit/s, LNK/ACT ports 1 ... 5

Connection data

Connection technology: communication/fieldbus

Copper cable: 5 x RJ-45

Connection technology: supply

1 x Built-in male connector: 231-432/001-000; included female connector (MCS Connectors): 2231-102/026-000

Physical data

Width 50 mm / 1.969 inches
50 mm / 1.969 inch

Height 104 mm / 4.094 inches
104 mm / 4.094 inch

Depth 115 mm / 4.528 inches
115 mm / 4.528 inch

Mechanical Data

Weight 550 g

Color black

Environmental requirements

Ambient temperature (operation) -40 ... +70 °C (per CE; -10 ... +60 °C per UL 61010)

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

EMC immunity to interference per EN 61000-6-2

EMC emission of interference per EN 61000-6-4

Fire load 0.12 MJ
0.087 MJ

Commercial data

ETIM 8.0 EC000734

ETIM 7.0 EC000734

PU (SPU) 1 pcs
1 Stück

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Packaging type	box
Country of origin	TW
GTIN	4055143933179
Customs tariff number	85176200000

Environmental Product Compliance


RoHS Compliance Status	Compliant, No Exemption
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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
	UL Underwriters Laboratories Inc. (ORDINARY LOCATIONS)	UL 61010-2-201	E175199

Declarations of conformity and manufacturer's declarations

Logo	Approval	Additional Approval Text	Certificate name
	EU-Declaration of Conformity WAGO GmbH & Co. KG	-	-

Optional accessories

Power supplies

Power supply unit	
	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
	Item no.: 787-1633 Switched-mode power supply; Classic; 1-phase; 48 VDC output voltage; 5 A output current; TopBoost; DC OK contact www.wago.com/787-1633
	Item no.: 787-1635 Switched-mode power supply; Classic; 1-phase; 48 VDC output voltage; 10 A output current; TopBoost; DC OK contact www.wago.com/787-1635

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



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

Cables and pluggable connectors

Connector plug



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



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



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.: 750-979/000-013

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.: 750-977/000-011

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

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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.: 750-978/000-011
Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568A; AWG 22; Strain relief

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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.: 750-977/000-012
Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568B; AWG 22

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Item no.: 750-977/000-013
Connector PROFINET; RJ-45; Cat. 6A; straight; AWG 22

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Item no.: 750-977/000-021
Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568A; AWG 24

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

Downloads

Documentation

Manual

Product Manual Industrial-ECO-Switch; 5Port Gb; EXT; 4PoE	V 1.0.0	pdf	Download
Industrial-ECO-Switch; 5 Ports 1000BASE-T; extended Temperature range; 4 * Power over Ethernet	2019 Nov 8	1.4 MB	

Bid Text

852-1411/000-001		docx	Download
docx - Datei		16.6 kB	
852-1411/000-001		xml	Download
X81 - Datei		7.0 kB	

System Description

Industrial Switches – General Product Information		pdf	Download
		1.9 MB	

Additional Information

Disposal and Recycling

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CAD/CAE-Data

CAD data

2D/3D Models 852-1411/000-001

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CAE data

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Environmental Product Compliance

Compliance Search

Environmental Product Compliance 852-1411/000-001

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Industrial-ECO-Switch; 5-port 1000Base-T; 4 * Power over Ethernet; Extended temperature range

Installation Notes

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

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