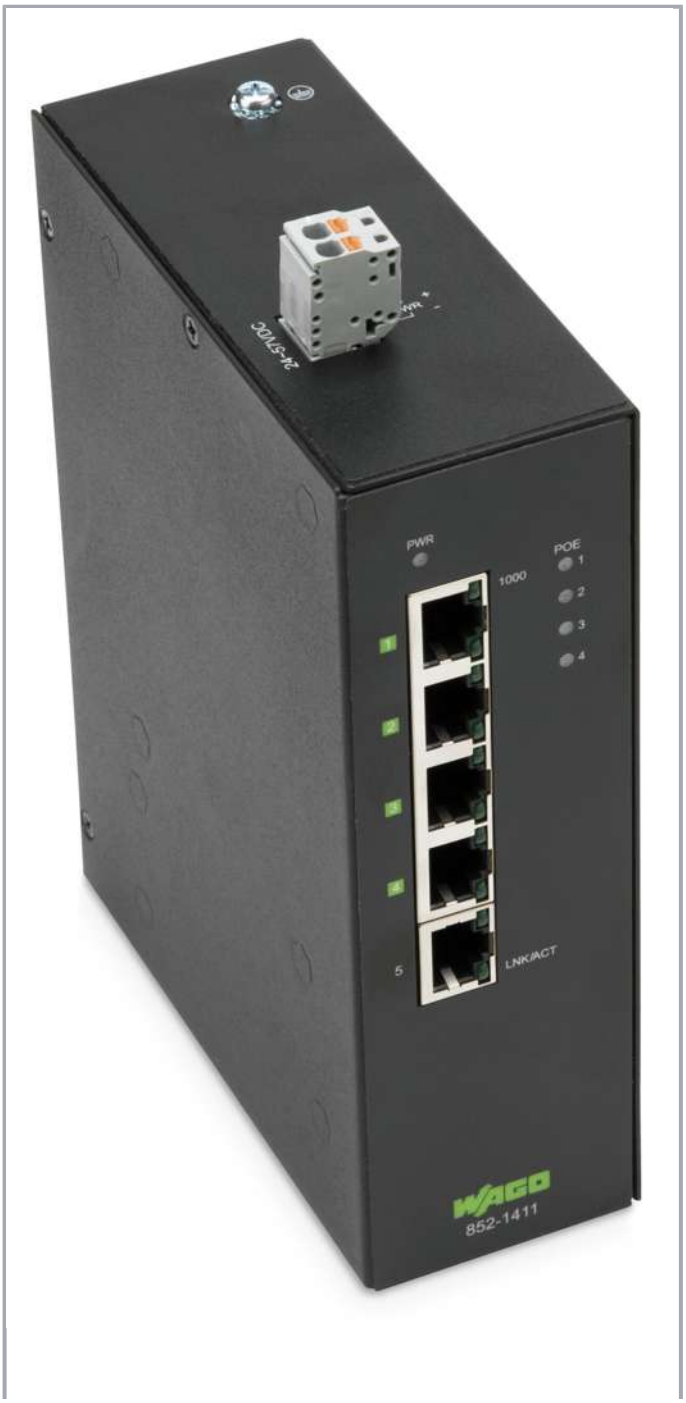
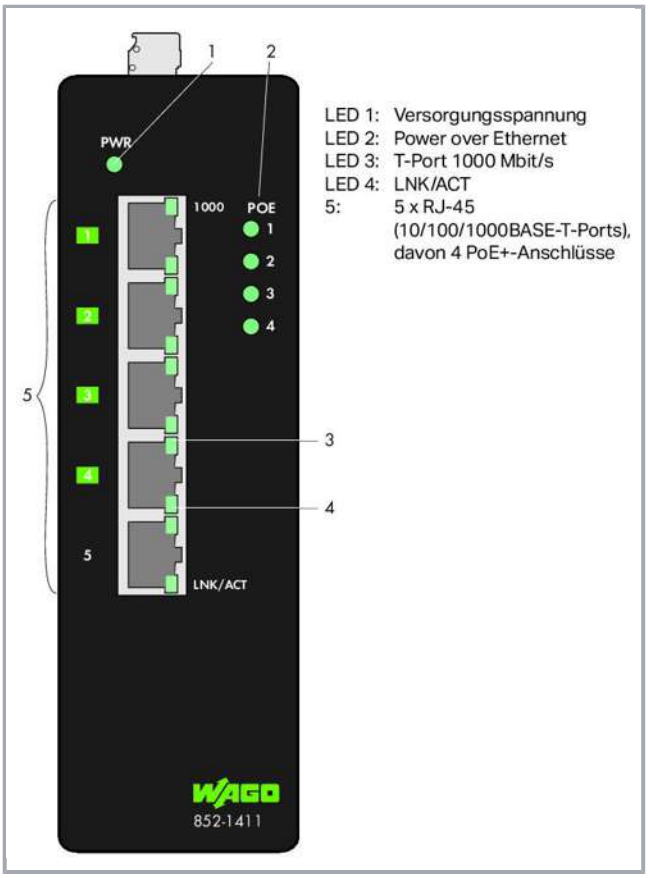
Data sheet | Item number: 852-1411

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

www.wago.com/852-1411





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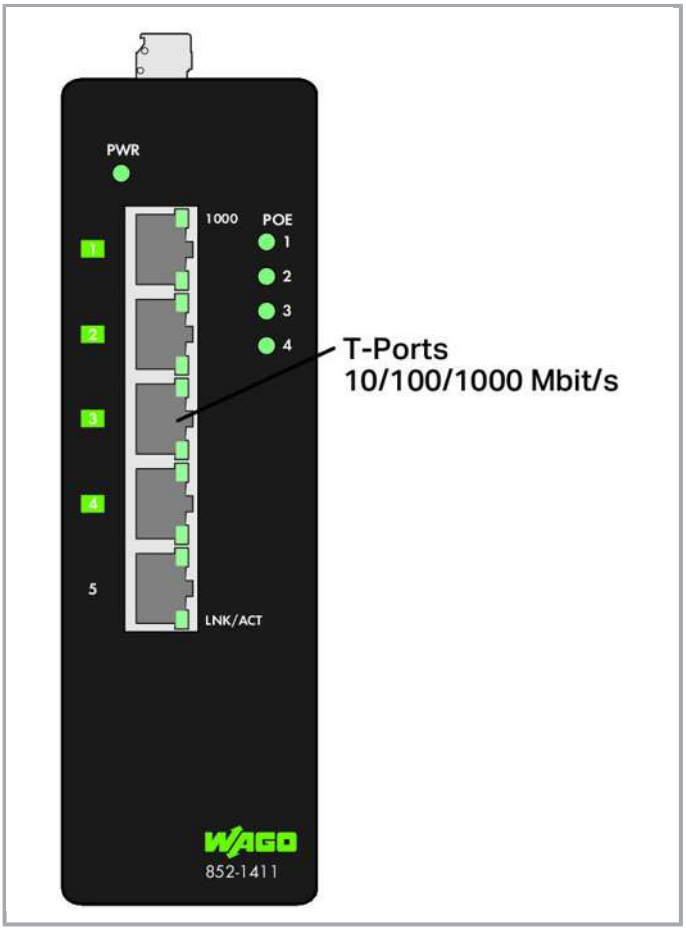
RoHS ✓ Compliant BOMcheck.net Color: ■



Item description

The 852-1411 Industrial ECO Switch is a 5-port 1000Base-T ETHERNET switch, of which four ports support Power over Ethernet (PoE+) at 30 W. These four PoE+ ports can be used simultaneously for power supply. The integrated voltage transformer enables operation on the 24 VDC power supplies common in the control cabinet.

In addition to the reduced wiring effort, a separate power supply for the PoE supply can be saved.

The switch can be easily configured and integrated into the control cabinet via DIN-rail mounting. It is particularly well suited to small and medium networks.

Features:

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- 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
- Prioritization of Profinet Ethernet data packets (EtherType=0x8892) per IEEE802.1p
- DIN-35 rail mounting

Data

Technical Data

Number of 1000Base-T 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 (large)	8000 addresses
Jumbo frame size	10000. Byte
Supply voltage	DC 24 … 57 V
Energy consumption max.	133 W
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: 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
Anschlusstechnik: Versorgung	1 x Built-in male connector: 231-432/001-000; included female connector (MCS Connectors): 2231-102/026-000

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Geometrical Data

Width	50 mm / 1.969 inch
Height from upper-edge of DIN-35 rail	120 mm / 4.724 inch
Depth	160 mm / 6.299 inch

Mechanical data

Weight	520 g
Color	black
Housing material	Sheet steel
Conformity marking	CE

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	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

Commercial data

Packaging type	BOX
Country of origin	TW
GTIN	4055143727167
Customs Tariff No.	85176200000

Counterpart

Compatible products

transfer module

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

wiring and connectors

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

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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

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	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

power supply

	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.: 787-1633 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
	Item no.: 787-1722 Switched-mode power supply; Eco; 1-phase; 24 VDC output voltage; 5 A output current	www.wago.com/787-1722

Downloads

Documentation

Manual

Industrial ECO Switch; 5Port Gb; EXT; 4PoE Industrial Eco Switch, 5 Ports 1000BASE-T, extended Temperature Range, 4 * Power over Ethernet	V 1.2.0 Dec 17, 2019	pdf 1.2 MB	Download

Bid Text

852-1411 GAEB X81 - Datei	Feb 19, 2019	xml 6.2 kB	Download
852-1411 doc - Datei	Jul 23, 2018	doc 30.2 kB	Download

Instruction Leaflet

Gebrauchs- und Montageanleitung 852-1411	V 1.0.0	pdf	Download

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Industrial-ETHERNET-Switch		738.6 kB	

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-Data

CAD data

2D/3D Models 852-1411	URL	Download

Installation Notes

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