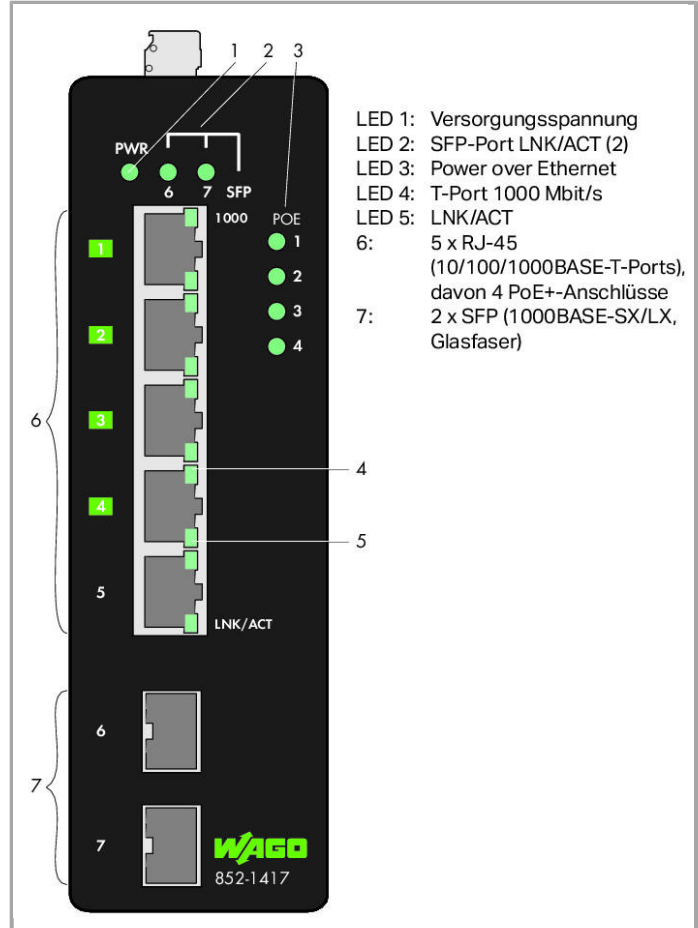


Data sheet | Item number: 852-1417

Industrial-ECO-Switch; 5-port 1000Base-T; 2-Slot 1000BASE-SX/LX;  
Extended temperature range; 4 \* Power over Ethernet



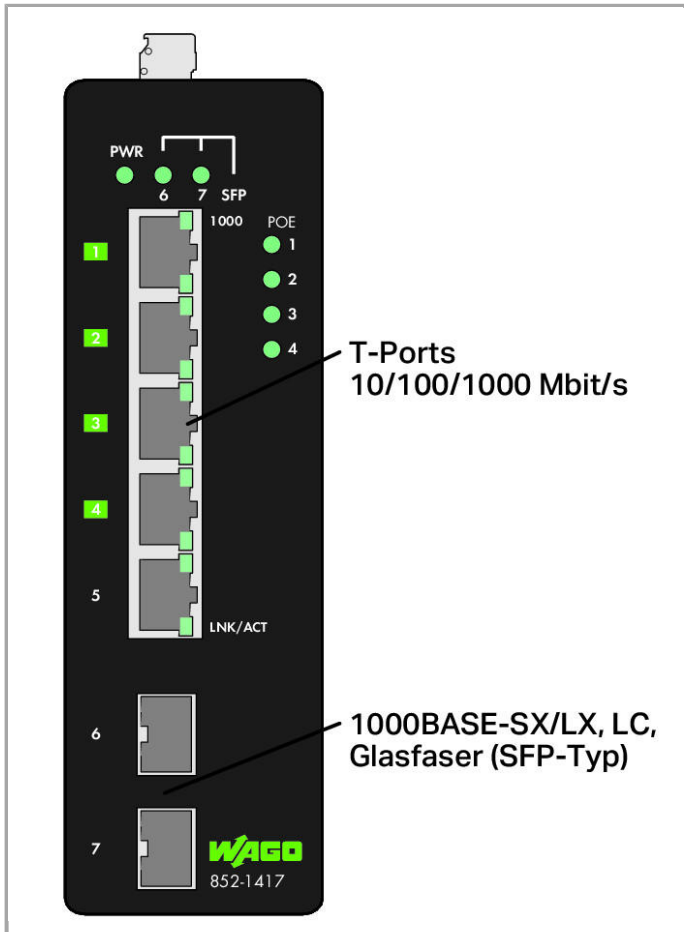
[www.wago.com/852-1417](http://www.wago.com/852-1417)



RoHS  Compliant

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

Color:



### Item description

The 852-1417 Industrial ETHERNET Switch features five 1000BASE-T ports, of which four ports support Power over Ethernet (PoE+) with 30 W, and has two SFP-1000BASE-SX / LX ports (SFP modules are available as an option). 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 ideal for small and medium networks, but also offers the integration into extensive networks through its SFP slots.

### Features:

- 5 ETHERNET ports, 10/100/1000 Mbit/s, autonegotiation
- 4 PoE+ ports (IEEE 802.3at)
- 2 SFP slots, 1000 Mbit/s
- 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 Frame (EtherType=0x8892) according to IEEE802.1p
- For DIN-35 rail

## Data

### Technical Data

Number of 1000Base-T ports	5
Number of 1000Base SX/LX ports	2
Communication standards	IEEE 802.3 10BASE-T IEEE 802.3u 100BASE-TX/FX IEEE 802.3ab 1000BASE-T IEEE 802.3z 1000BASE-SX/LX 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.	134 W
Baud rate	Copper cable: 10/1000Mbit/s; Fiber optic: 1000Mbit/s
Übertragungsmedium (Kommunikation/Feldbus)	Copper cable: Cat. 5e or higher, 100 m maximum cable length; Fiber optic: SX Multi-Mode, LX Single-Mode
LWL-Fasertyp	Single-mode and multi-mode
Topology	Star
Indicators	Gerät: LED (PWR) grün: Versorgungsspannung; LED (SFP) grün: Status Glasfaser Ports; LED (PoE 1 ... 4) grün: Power over Ethernet; pro Port: LED (1000, LNK/ACT) grün: Status 1000 Mbit/s, LNK/ACT Port 1 ... 5

### Connection data

Anschluss technik: Kommunikation/Feldbus	Copper cable: 5 x RJ-45; Fiber optic: 2 x SFP, LC fiber-optic connectors
Anschluss technik: Versorgung	1 x im Gerät verbaute Stiftheiste: 231-432/001-000; mitgelieferte Federleiste (Steckverbinder MCS): 2231-102/026-000

### 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	780 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
Degree of protection	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
EMC immunity to interference	acc. to EN 61000-6-2
EMC emission of interference	acc. to EN 61000-6-4

## Commercial data




Packaging type	BOX
Country of origin	TW
GTIN	4055143727143
Customs Tariff No.	85176200000

## Compatible products

### power supply

	<b>Item no.: 787-1226</b> Switched-mode power supply; EPSITRON® COMPACT Power; 1-phase; 24 VDC output voltage; 6 A output current	<a href="http://www.wago.com/787-1226">www.wago.com/787-1226</a>
	<b>Item no.: 787-1633</b> Switched-mode power supply; Classic; 1-phase; 48 VDC output voltage; 5 A output current; TopBoost; DC OK contact	<a href="http://www.wago.com/787-1633">www.wago.com/787-1633</a>
	<b>Item no.: 787-1635</b> Switched-mode power supply; EPSITRON® CLASSIC Power; 1-phase; 48 VDC output voltage; 10 A output current; TopBoost; DC OK contact	<a href="http://www.wago.com/787-1635">www.wago.com/787-1635</a>
	<b>Item no.: 787-1722</b> Switched-mode power supply; Eco; 1-phase; 24 VDC output voltage; 5 A output current	<a href="http://www.wago.com/787-1722">www.wago.com/787-1722</a>

### General accessories

	<b>Item no.: 852-1200</b> SFP Module 1000BASE; SX Multi-Mode 850 nm LC; 0.55 km; Extended temperature range; DDM	<a href="http://www.wago.com/852-1200">www.wago.com/852-1200</a>
	<b>Item no.: 852-1210</b> SFP Module 1000BASE; LX Single-Mode 1310 nm LC; 10 km; Extended temperature range; DDM	<a href="http://www.wago.com/852-1210">www.wago.com/852-1210</a>
	<b>Item no.: 852-1280</b> SFP Module 1000BASE; ZX Single-Mode 1550 nm LC; 80 km; Extended temperature range; DDM	<a href="http://www.wago.com/852-1280">www.wago.com/852-1280</a>

### 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](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)



**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](http://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](http://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](http://www.wago.com/750-979/000-012)



**Item no.: 750-979/000-013**  
Connector PROFINET; RJ-45; Cat. 6A; angled; AWG 22; Strain relief

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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](http://www.wago.com/750-979/000-022)

transfer module



Item no.: 289-195  
Interface module for ETHERNET RJ-45; for DIN 35 rail; with shield connection

[www.wago.com/289-195](http://www.wago.com/289-195)

Downloads

Documentation

Manual

Industrial ECO Switch; 5Port Gb; 2Slot 1000BASE-SX/LX; EXT; 4PoE	May 18, 2018		Download
Industrial Eco Switch, 5 Ports 1000BASE-T, 2 Slots 1000BASE-SX/-LX, extended Temperature, 4 * Power over Ethernet		448.3 kB	

Bid Text

852-1417	Nov 20, 2018	DOC 32.8 kB	Download
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Instruction Leaflet

Operating and assembly instructions 852-1417	V 1.0.0	PDF	Download
Industrial ETHERNET Switch	Jul 23, 2018	740.6 kB	

Additional Information

Disposal; Electrical and electronic equipment, Packaging	Oct 15, 2018		Download
		265.8 kB	

System Description

Industrial Switches – General Product Information	Jun 6, 2017		Download
		514.9 kB	

Subject to changes.