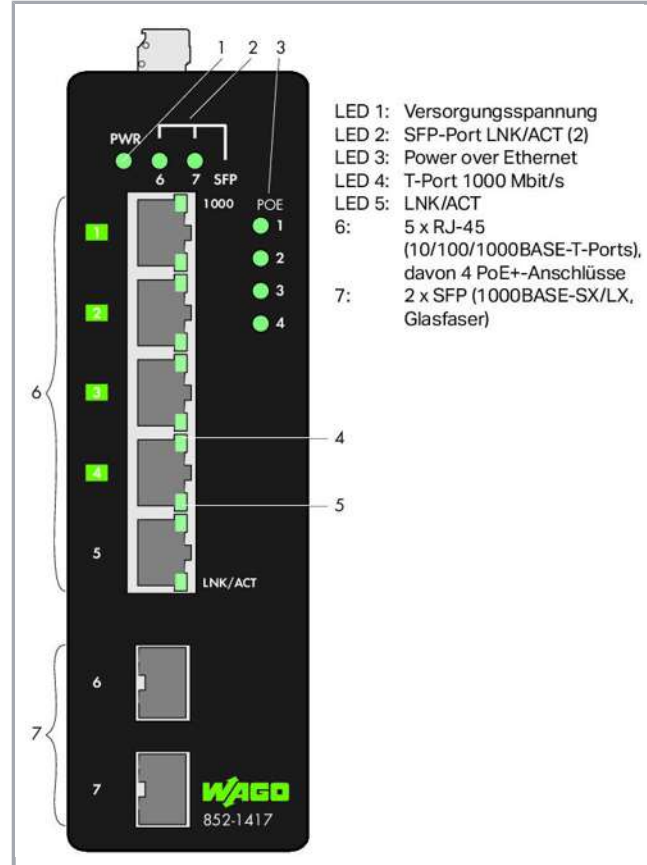


Data sheet | Item number: 852-1417

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



www.wago.com/852-1417



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

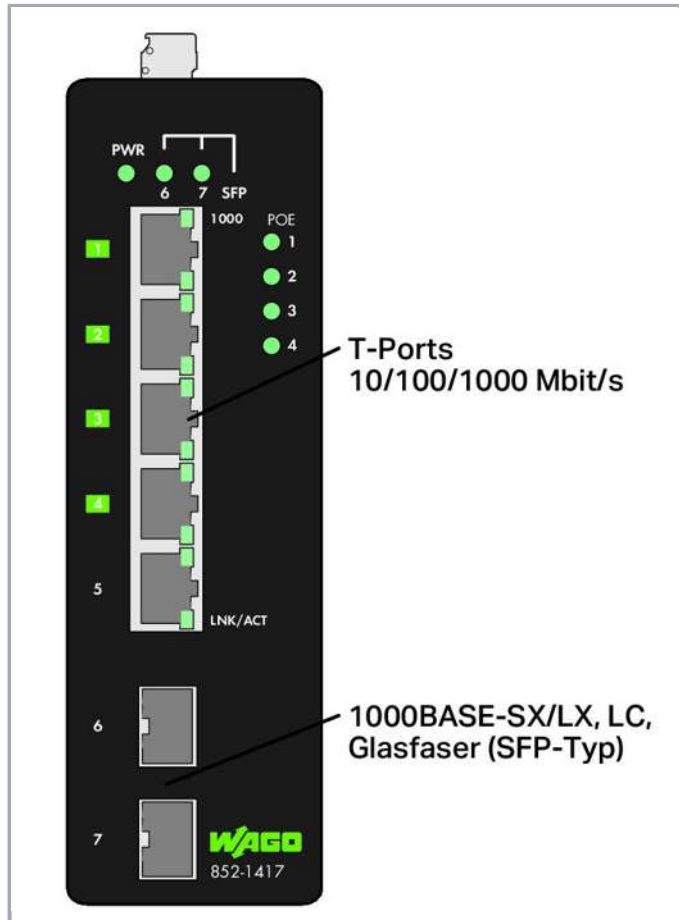
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RoHS Compliant

BOMcheck.net

Color: ■



Item description

The 852-1417 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:

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



- 5 ETHERNET ports, 10/100/1000 Mbit/s, autonegotiation
- 4 PoE+ ports (IEEE 802.3at)
- 2 Gigabit/s SFP slots
- 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
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: 10/1000 Mbit/s; Fiber optic:1000 Mbit/s
Transmission medium (communication/fieldbus)	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	Device: LED (PWR) green: Power supply; LED (SFP) green: Status of fiber optic ports; LED (PoE 1 ... 4) green: Power over Ethernet; per port: LED (1000, LNK/ACT) green: Status 1000 Mbit/s, LNK/ACT ports 1 ... 5

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



Connection data

Connection technology: communication/fieldbus	Copper cable: 5 x RJ-45; Fiber optic: 2 x SFP; LC fiber-optic connector
Anschlussstechnik: Versorgung	1 x Built-in male connector: 231-432/001-000; included female connector (MCS Connectors): 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
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	4055143727143
Customs Tariff No.	85176200000

Counterpart

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Compatible products

transfer module



Item no.: 289-195

Interface module; RJ-45; IDC technology; Cat. 6; in mounting carrier; with shield connection

www.wago.com/289-195

General accessories



Item no.: 852-1200

SFP Module 1000BASE; SX Multi-Mode 850 nm LC; 0.55 km; Extended temperature range; DDM; silver-colored

www.wago.com/852-1200



Item no.: 852-1210

SFP Module 1000BASE; LX Single-Mode 1310 nm LC; 10 km; Extended temperature range; DDM; silver-colored

www.wago.com/852-1210



Item no.: 852-1280

SFP Module 1000BASE; ZX Single-Mode 1550 nm LC; 80 km; Extended temperature range; DDM; silver-colored

www.wago.com/852-1280

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

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

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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



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

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Item no.: 750-978/000-021
Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568A; AWG 24; Strain relief

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Item no.: 750-978/000-022
Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568B; AWG 24; Strain relief

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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

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Downloads Documentation

Manual

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Industrial ECO Switch; 5Port Gb; 2Slot 1000BASE-SX/LX; EXT; 4PoE Industrial Eco Switch, 5 Ports 1000BASE-T, 2 Slots 1000BASE-SX/-LX, extended Temperature, 4 * Power over Ethernet	V 1.1.0	pdf 1.2 MB	Download
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Bid Text

852-1417 doc - Datei	Jul 23, 2018	doc 32.8 kB	Download
852-1417 GAEB X81 - Datei	Feb 19, 2019	xml 6.5 kB	Download

Instruction Leaflet

Gebrauchs- und Montageanleitung 852-1417 Industrial-ETHERNET-Switch	V 1.0.0	pdf 740.6 kB	Download
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Additional Information

Disposal; Electrical and electronic equipment, Packaging	V 1.0.0	pdf 265.8 kB	Download
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System Description

Industrial Switches – General Product Information		pdf 2.0 MB	Download
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Installation Notes

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