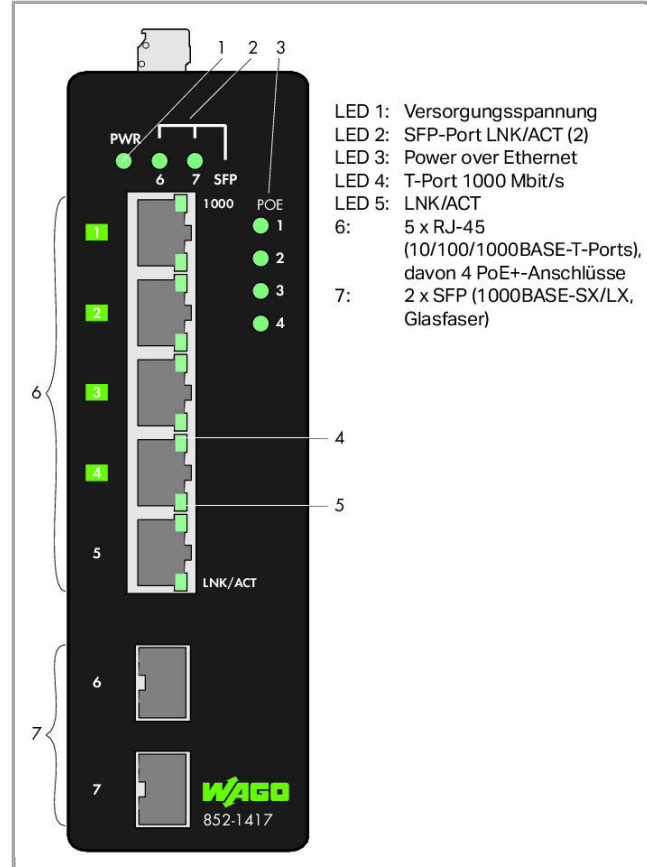


Data sheet | Item number: 852-1417

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



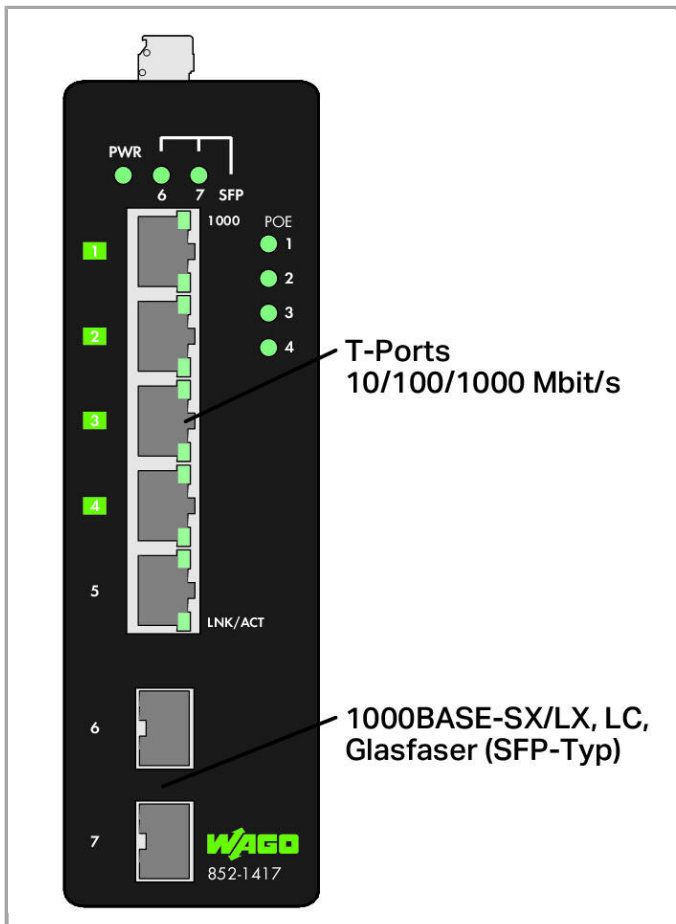
852-1417



RoHS Compliant

[BOMcheck.net](https://www.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: 10/1000 Mbit/s; Fiber optic:1000 Mbit/s
Transmission medium (communication/fieldbus)	Copper cable: Cat. 5e or higher, max. line length: 100 m; 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

Connection technology: communication/fieldbus	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
Protection class	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





Country of origin	TW
GTIN	4055143727143
Customs Tariff No.	85176200000

Compatible products


General accessories

	Item no.: 852-1200 SFP Module 1000BASE; SX Multi-Mode 850 nm LC; 0.55 km; Extended temperature range; DDM; silver-colored	852-1200
	Item no.: 852-1210 SFP Module 1000BASE; LX Single-Mode 1310 nm LC; 10 km; Extended temperature range; DDM; silver-colored	852-1210
	Item no.: 852-1280 SFP Module 1000BASE; ZX Single-Mode 1550 nm LC; 80 km; Extended temperature range; DDM; silver-colored	852-1280


power supply


	Item no.: 787-1226 Switched-mode power supply; Compact; 1-phase; 24 VDC output voltage; 6 A output current	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	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	787-1635
	Item no.: 787-1722 Switched-mode power supply; Eco; 1-phase; 24 VDC output voltage; 5 A output current	787-1722


transfer module

	Item no.: 289-195 Interface module; RJ-45; IDC technology; Cat. 6; in mounting carrier; with shield connection	289-195
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wiring and connectors

	Item no.: 750-976 PROFINET RJ-45 connector, IP20; ETHERNET 10/100 Mbit/s; for field assembly	750-976
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	Item no.: 750-977/000-011 Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568A; AWG 22	750-977 /000-011
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	Item no.: 750-977/000-012 Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568B; AWG 22	750-977 /000-012
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	Item no.: 750-977/000-013 Connector PROFINET; RJ-45; Cat. 6A; straight; AWG 22	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	750-977 /000-021
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	Item no.: 750-977/000-022 Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568B; AWG 24	750-977 /000-022
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	Item no.: 750-978/000-011 Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568A; AWG 22; Strain relief	750-978 /000-011
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	Item no.: 750-978/000-012 Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568B; AWG 22; Strain relief	750-978 /000-012
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	Item no.: 750-978/000-013 Connector PROFINET; RJ-45; Cat. 6A; straight; AWG 22; Strain relief	750-978 /000-013
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	Item no.: 750-978/000-021 Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568A; AWG 24; Strain relief	750-978 /000-021
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	Item no.: 750-978/000-022 Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568B; AWG 24; Strain relief	750-978 /000-022
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	Item no.: 750-979/000-011 Connector ETHERNET; RJ-45; Cat. 6A; angled; Code T568A; AWG 22; Strain relief	750-979 /000-011
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	Item no.: 750-979/000-012 Connector ETHERNET; RJ-45; Cat. 6A; angled; Code T568B; AWG 22; Strain relief	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

/000-013

750-979



Item no.: 750-979/000-021
Connector ETHERNET; RJ-45; Cat. 6A; angled; Code T568A; AWG 24; Strain relief

/000-021

750-979



Item no.: 750-979/000-022
Connector ETHERNET; RJ-45; Cat. 6A; angled; Code T568B; AWG 24; Strain relief

/000-022

750-979

Downloads

Documentation

Manual

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

Bid Text

852-1417		doc	Download
		32.8 kB	

Instruction Leaflet

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

Additional Information

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

System Description

Industrial Switches – General Product Information		pdf	Download
		2.0 MB	

Subject to changes.