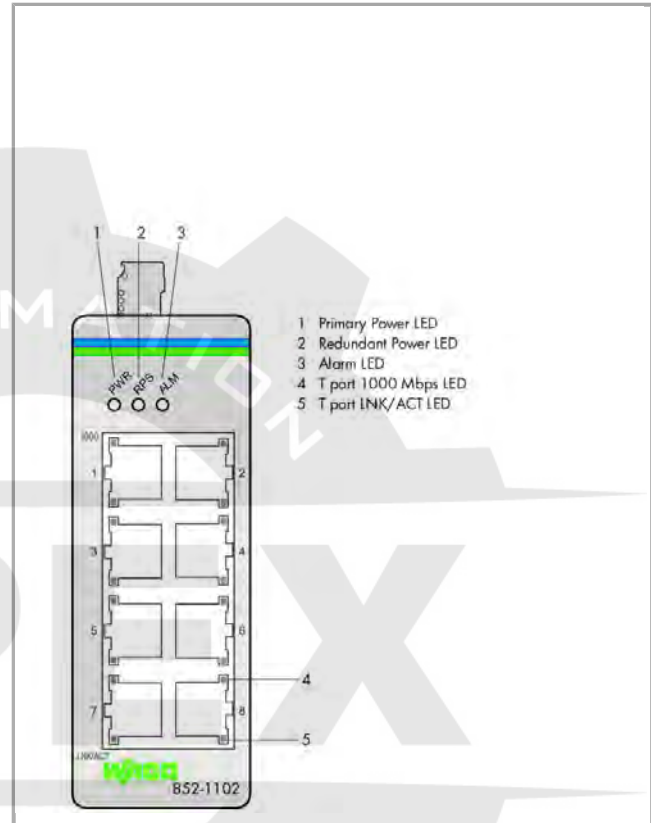


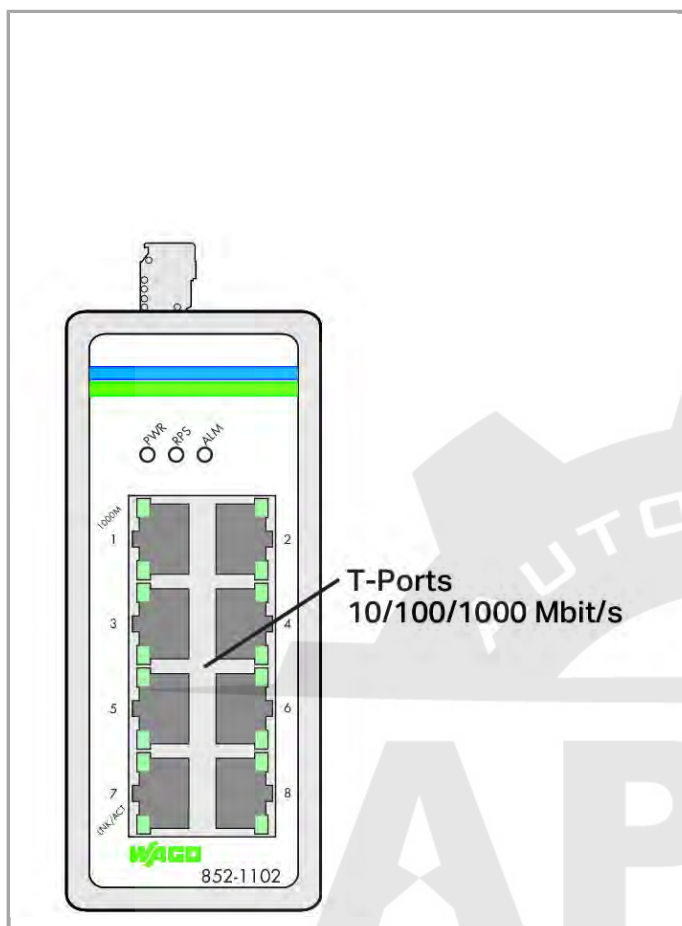
852-1102



RoHS
Compliant ✓

[BOMcheck.net](https://www.bomcheck.net)

Color: ■



Item description

The 852-1102 industrial switch is an 8-port 10/100Base-TX ETHERNET switch.

The switch has a rugged metal housing, redundant power supply and function monitoring with a relay. These functions and an operating range of -40 ... +70 °C make it ideal for a wide range of industrial applications.

Features:

- Redundant DC power supply
- Wide supply voltage range: 9–57 V
- DIP switches to set alarm functions
- Full compliance with standards IEEE802.3, 802.3u, 802.3 ab
- Non-blocking, Store-and-Forward switching
- Auto-Negotiation on all 10/100/1000Base-T ports
- Auto-MDI/MDIX (crossover) at all 10/100/1000Base-T ports
- Integrated address look-up table, supports up to 8000 absolute MAC addresses
- Overvoltage protection
- Prioritization of Profinet Ethernet Frame (EtherType=0x8892) according to IEEE802.1p

Data

Technical Data

Switchingmodus	Store-and-forward, non-blocking
Number of 1000Base-T ports	8
Communication standards	IEEE 802.3 10BASE-T IEEE 802.3u 100BASE-TX IEEE 802.3ab 1000BASE-T IEEE 802.3x Flow Control IEEE 802.3az Energy Efficient Ethernet IEEE 802.1p Prioritization
Redundancy function	Redundant DC power supply
Configuration options	DIP switch for signal contact
Diagnostics	Signal contact
MAC table (large)	8000 addresses
Jumbo frame size	9000 Byte
Supply voltage	DC 9 ... 57 V
Energy consumption max.	6 W
Baud rate	Copper cable: 10/1,000 Mbit/s
Transmission medium (communication/fieldbus)	Copper cable: Cat. 5e oder besser, 100 m maximale Leitungslänge
Panel	10 x DIP switch: Alarm function power supplies and ports 1 ... 8
Indicators	Device: LED (PWR, RPS) green: Power supply (primary), redundant power supply (secondary); LED (ALM) red: Alarm; per port: LED (1000, LNK/ACT) green: Status 1000 Mbps, LNK/ACT Port 1 ... 8

Connection data

Connection technology: communication/fieldbus	Copper cable: 8 x RJ-45
Anschlusschnik: Versorgung	1 x im Gerät verbaute Stiftleiste: 231-436/001-000; mitgelieferte Federleiste (Steckverbinder MCS): 2231-106/026-000

Geometrical Data

Width	50 mm / 1.969 inch
Height from upper-edge of DIN-35 rail	120 mm / 4.724 inch
Depth	105 mm / 4.134 inch

Mechanical data

Weight	543 g
Color	black
Housing material	Aluminum
Conformity marking	1

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	4055143500173
Customs Tariff No.	85176200000

Compatible products

transfer module



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

power supply



Item no.: 787-1102	787-1102
Switched-mode power supply; Compact; 1-phase; 24 VDC output voltage; 1.3 A output current; DC OK signal	



Item no.: 787-1112	787-1112
Switched-mode power supply; Compact; 1-phase; 24 VDC output voltage; 2.5 A output current; DC OK signal	



Item no.: 787-1122	787-1122
Switched-mode power supply; Compact; 1-phase; 24 VDC output voltage; 4 A output current; DC OK signal	



Item no.: 787-1602	787-1602
Switched-mode power supply; Classic; 1-phase; 24 VDC output voltage; 1 A output current; NEC Class 2; DC OK signal	



Item no.: 787-1606	787-1606
Switched-mode power supply; Classic; 1-phase; 24 VDC output voltage; 2 A output current; NEC Class 2; DC OK signal	



Item no.: 787-1622	787-1622
Switched-mode power supply; Classic; 1-phase; 24 VDC output voltage; 5 A output current; TopBoost; DC OK contact	

Item no.: 787-1632	787-1632
Switched-mode power supply; Classic; 1-phase; 24 VDC output voltage; 10 A output current;	



TopBoost; DC OK contact

**Item no.: 787-1702**

Switched-mode power supply; Eco; 1-phase; 24 VDC output voltage; 1.25 A output current

787-1702

**Item no.: 787-1712**

Switched-mode power supply; Eco; 1-phase; 24 VDC output voltage; 2.5 A output current

787-1712

**Item no.: 787-1722**

Switched-mode power supply; Eco; 1-phase; 24 VDC output voltage; 5 A output current

787-1722

wiring and connectors

**Item no.: 750-976**

PROFINET RJ-45 connector, IP20; ETHERNET 10/100 Mbit/s; for field assembly

750-976

**Item no.: 750-977/000-011**

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

/000-011

750-977

**Item no.: 750-977/000-012**

Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568B; AWG 22

/000-012

750-977

**Item no.: 750-977/000-013**

Connector PROFINET; RJ-45; Cat. 6A; straight; AWG 22

/000-013

750-977

**Item no.: 750-977/000-021**

Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568A; AWG 24

/000-021

750-977

**Item no.: 750-977/000-022**

Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568B; AWG 24

/000-022

750-977

**Item no.: 750-978/000-011**

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

/000-011

750-978

**Item no.: 750-978/000-012**

Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568B; AWG 22; Strain relief

/000-012

750-978

**Item no.: 750-978/000-013**

Connector PROFINET; RJ-45; Cat. 6A; straight; AWG 22; Strain relief

/000-013

750-978

**Item no.: 750-978/000-021**

Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568A; AWG 24; Strain relief

/000-021

750-978

**Item no.: 750-978/000-022**

Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568B; AWG 24; Strain relief

/000-022

750-978

**Item no.: 750-979/000-011**

Connector ETHERNET; RJ-45; Cat. 6A; angled; Code T568A; AWG 22; Strain relief

/000-011

750-979

	Item no.: 750-979/000-012 Connector ETHERNET; RJ-45; Cat. 6A; angled; Code T568B; AWG 22; Strain relief	750-979
	Item no.: 750-979/000-013 Connector PROFINET; RJ-45; Cat. 6A; angled; AWG 22; Strain relief	750-979
	Item no.: 750-979/000-021 Connector ETHERNET; RJ-45; Cat. 6A; angled; Code T568A; AWG 24; Strain relief	750-979
	Item no.: 750-979/000-022 Connector ETHERNET; RJ-45; Cat. 6A; angled; Code T568B; AWG 24; Strain relief	750-979

Downloads

Documentation

Manual

8-Port 1000BASE-T Industrial Switch	V 1.1.0	pdf 2.7 MB	Download
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Bid Text

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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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CAD/CAE - Smart Data

CAD data

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Subject to changes.
