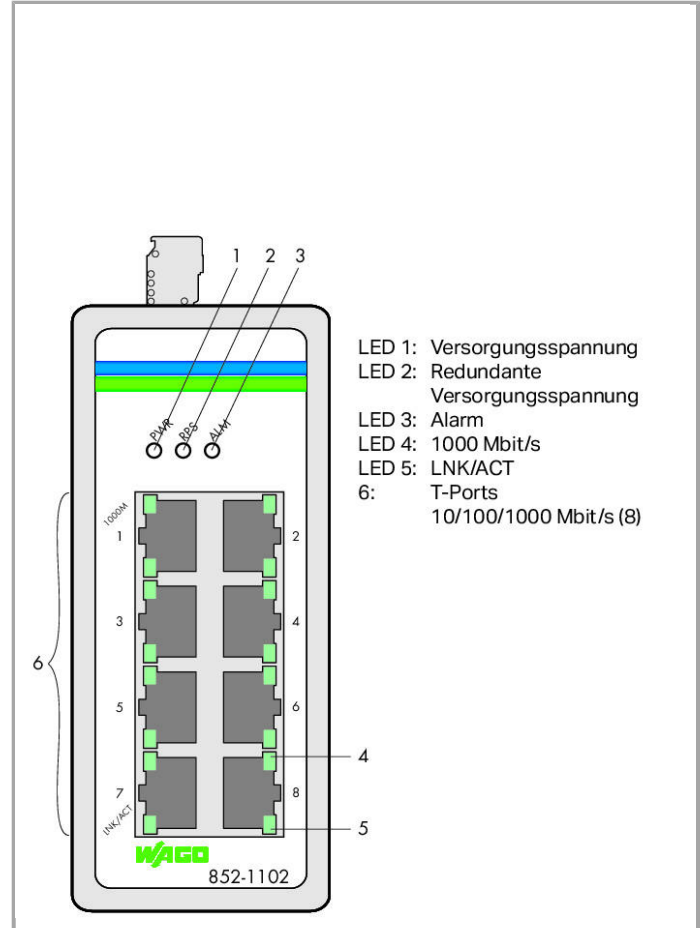


Data sheet | Item number: 852-1102  
 Industrial-Switch; 8-Port 1000BASE-T

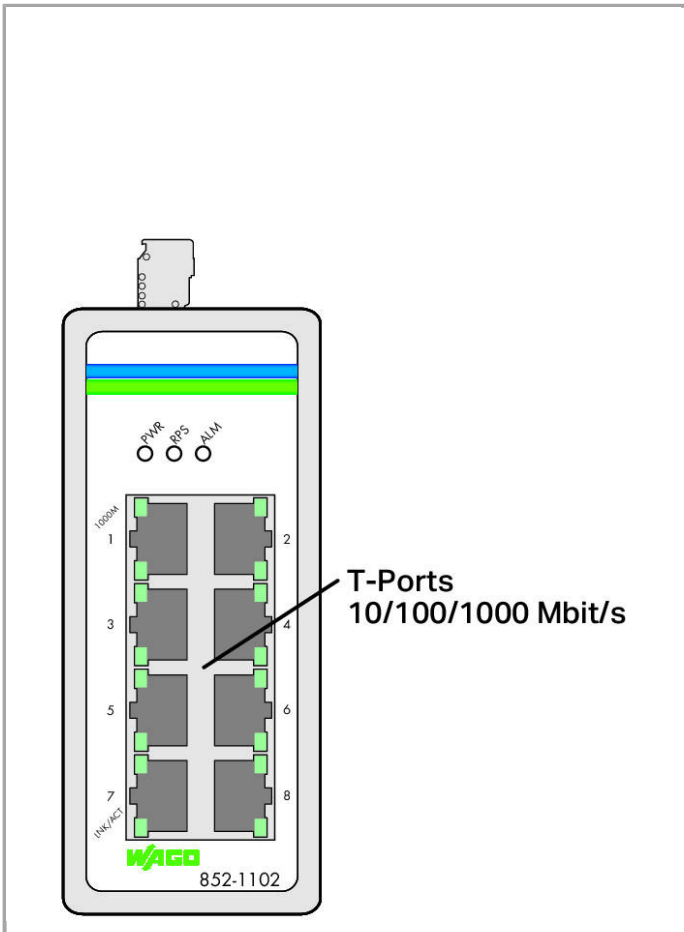
[www.wago.com/852-1102](http://www.wago.com/852-1102)



RoHS  Compliant

[BOMcheck.net](http://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: 10/1000Mbit/s
Transmission medium (communication/fieldbus)	Copper cable: Cat. 5e or higher, 100 m maximum cable length
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
Anschluss technik: Versorgung	1 x im Gerät verbaute Stiftheile: 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	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

Country of origin	TW
GTIN	4055143500173
Customs Tariff No.	85176200000

## Compatible products

### wiring and connectors

	<b>Item no.: 750-976</b> PROFINET RJ-45 connector, IP20; ETHERNET 10/100 Mbit/s; for field assembly	<a href="http://www.wago.com/750-976">www.wago.com/750-976</a>
	<b>Item no.: 750-977/000-011</b> Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568A; AWG 22	<a href="http://www.wago.com/750-977/000-011">www.wago.com/750-977/000-011</a>
	<b>Item no.: 750-977/000-012</b> Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568B; AWG 22	<a href="http://www.wago.com/750-977/000-012">www.wago.com/750-977/000-012</a>
	<b>Item no.: 750-977/000-013</b> Connector PROFINET; RJ-45; Cat. 6A; straight; AWG 22	<a href="http://www.wago.com/750-977/000-013">www.wago.com/750-977/000-013</a>
	<b>Item no.: 750-977/000-021</b> Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568A; AWG 24	<a href="http://www.wago.com/750-977/000-021">www.wago.com/750-977/000-021</a>
	<b>Item no.: 750-977/000-022</b> Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568B; AWG 24	<a href="http://www.wago.com/750-977/000-022">www.wago.com/750-977/000-022</a>
	<b>Item no.: 750-978/000-011</b> Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568A; AWG 22; Strain relief	<a href="http://www.wago.com/750-978/000-011">www.wago.com/750-978/000-011</a>
	<b>Item no.: 750-978/000-012</b> Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568B; AWG 22; Strain relief	<a href="http://www.wago.com/750-978/000-012">www.wago.com/750-978/000-012</a>



**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](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

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

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#### 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)

#### power supply



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

[www.wago.com/787-1102](http://www.wago.com/787-1102)



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

[www.wago.com/787-1112](http://www.wago.com/787-1112)



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

[www.wago.com/787-1122](http://www.wago.com/787-1122)



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

[www.wago.com/787-1602](http://www.wago.com/787-1602)



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





[www.wago.com/787-1606](http://www.wago.com/787-1606)



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

[www.wago.com/787-1622](http://www.wago.com/787-1622)



	<b>Item no.: 787-1632</b> Switched-mode power supply; Classic; 1-phase; 24 VDC output voltage; 10 A output current; TopBoost; DC OK contact	<a href="http://www.wago.com/787-1632">www.wago.com/787-1632</a>
	<b>Item no.: 787-1702</b> Switched-mode power supply; Eco; 1-phase; 24 VDC output voltage; 1.25 A output current	<a href="http://www.wago.com/787-1702">www.wago.com/787-1702</a>
	<b>Item no.: 787-1712</b> Switched-mode power supply; Eco; 1-phase; 24 VDC output voltage; 2.5 A output current	<a href="http://www.wago.com/787-1712">www.wago.com/787-1712</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>

## Downloads

### Documentation

#### Manual

8-Port 1000BASE-T Industrial Switch	Dec 6, 2016	2.7 MB	Download
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#### Bid Text

852-1102	Nov 3, 2017	DOC 29.7 kB	Download
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#### Additional Information

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

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

#### CAD data

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Subject to changes.