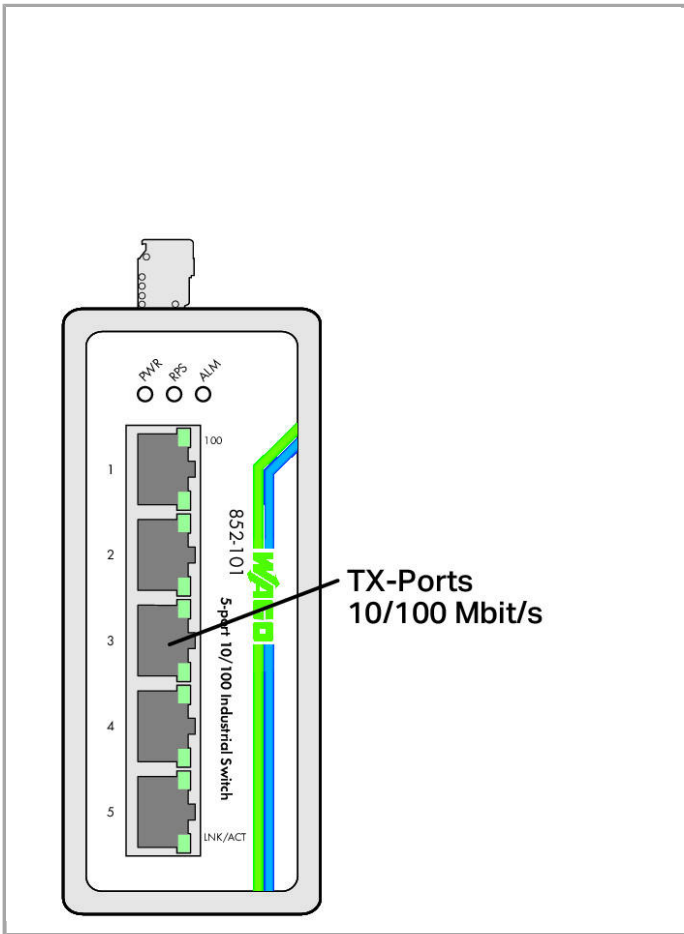


RoHS Compliant

BOMcheck.net

Color: ■



Item description

The 852-101 Industrial Switch is a 5-port 10/100Base-TX Ethernet switch.

The switch has a rugged housing, redundant power supply and function monitoring with a relay. These functions make it ideal for a wide range of applications.

Features:

- Redundant DC power supply
- Large supply voltage range: 9 ... 48 V
- DIP switches to set alarm functions
- Full compliance with IEEE802.3, 802.3u standards
- Non-blocking, store-and-forward switching
- Autonegotiation at all 10/100Base TX ports
- Auto-MDI/MDIX (crossover) at all 10/100Base TX ports

Data

Technical Data

| | |
|----------------------------|---------------------------------|
| Switchingmodus | Store-and-forward, non-blocking |
| Number of 100Base-TX ports | 5 |



| | |
|--|---|
| Communication standards | IEEE 802.3 10BASE-T IEEE 802.3u 100BASE-TX IEEE 802.3x Flow Control |
| Redundancy function | Redundant DC power supply |
| Configuration options | DIP switch for signal contact |
| Diagnostics | Signal contact |
| MAC table (large) | 2000 addresses |
| Jumbo frame size | 1536 Byte |
| Supply voltage | DC 9 ... 48 V; Leitungslänge < 3 m |
| Energy consumption max. | 3.84 W |
| Energy consumption typ. (24 V) | 3.36 W |
| Baud rate | Copper cable: 10/100Mbit/s |
| Übertragungsmedium (Kommunikation/Feldbus) | Copper cable: Cat. 5 or higher, 100 m maximum cable length |
| Panel | 8 x DIP switch: Alarm function power supplies and ports 1 ... 5, QoS-function port 1 |
| Indicators | Device: LED (PWR, RPS) green: Power supply (primary), redundant power supply (secondary); LED (ALM) red: Alarm; per port: LED (100, LNK/ACT) green: Status 100 Mbps, LNK/ACT Port 1 ... 5 |

Connection data

| | |
|--|---|
| Anschluss technik: Kommunikation/Feldbus | Copper cable: 5 x RJ-45 |
| Anschluss technik: Versorgung | 1 x im Gerät verbaute Stiftheiste: 231-436/001-000; mitgelieferte Federleiste (Steckverbinder MCS): 231-106/026-000 |

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 | 604 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 | 4045454665937 |
| Customs Tariff No. | 85176200000 |
| Product Group | 27 (Special components I/O) |

Compatible products

wiring and connectors

| | | |
|--|---|--|
|  | Item no.: 750-975 ETHERNET RJ-45 connector, IP20; ETHERNET 10/100 Mbit/s; for field assembly | www.wago.com/750-975 |
|  | 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 |
|  | 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 | 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**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**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

www.wago.com/750-979/000-012**Item no.: 750-979/000-013**

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

www.wago.com/750-979/000-013**Item no.: 750-979/000-021**

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

www.wago.com/750-979/000-021**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**power supply****Item no.: 787-1102**

Switched-mode power supply; EPSITRON® COMPACT Power; 1-phase; 24 VDC output voltage; 1.3 A output current; DC OK signal

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**Item no.: 787-1122**

Switched-mode power supply; EPSITRON® COMPACT Power; 1-phase; 24 VDC output voltage; 4 A output current; DC OK signal

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**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**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**Item no.: 787-1632**

Switched-mode power supply; Classic; 1-phase; 24 VDC output voltage; 10 A output current; TopBoost; DC OK contact

www.wago.com/787-1632**Item no.: 787-1702**

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

www.wago.com/787-1702**Item no.: 787-1712**



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

www.wago.com/787-1712



Item no.: 787-1722

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

www.wago.com/787-1722

transfer module



Item no.: 289-172

Interface module for ETHERNET RJ-45

www.wago.com/289-172



Item no.: 289-175

Interface module for ETHERNET RJ-45

www.wago.com/289-175



Item no.: 289-195

Interface module for ETHERNET RJ-45; for DIN 35 rail; with shield connection

www.wago.com/289-195



Item no.: 289-196

Interface module with RJ-45 connectors; CAGE CLAMP®CONNECTION; with LED; Fused

www.wago.com/289-196

Downloads

Documentation

Manual

| | | | |
|-------------------------------------|--------------|----------|----------|
| 5-Port 100BASE-TX Industrial Switch | Dec 14, 2011 | 392.0 kB | Download |
|-------------------------------------|--------------|----------|----------|

Bid Text

| | | | |
|--------------------|--------------|----------------|----------|
| 852-101 Switche | Jan 21, 2016 | DOC 27.1 kB | Download |
|--------------------|--------------|----------------|----------|

Instruction Leaflet

| | | | |
|---|--------------|---------------|----------|
| Operating and Assembly instructions 852-101 / 852-102 / 852-103 / 852-104 | Apr 25, 2012 | PDF 1.7 MB | Download |
|---|--------------|---------------|----------|

Additional Information

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

System Description

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

smartDATA

CAD data



3D Download 852-101

URL

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Subject to changes.

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