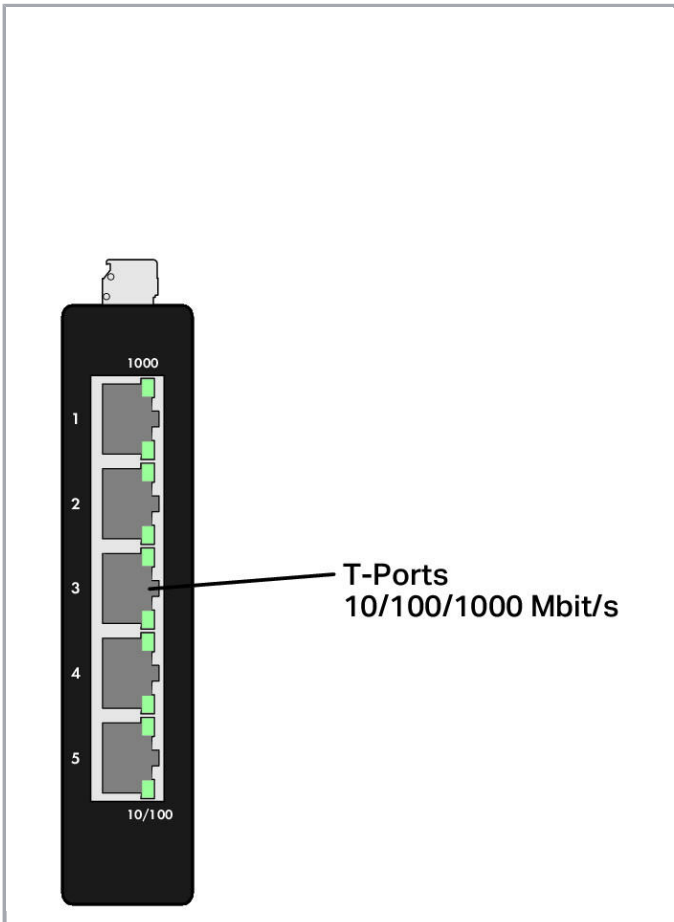


RoHS Compliant

BOMcheck.net

Color: ■



Item description

The 852-1111 is a 5-port 1000Base-T industrial ETHERNET switch supporting Auto-Negotiation and Auto-MDI-/MDI-X detection for each port.

Using the switch's 5 ports, several segments can be created to reduce the network load, while providing a dedicated bandwidth to each user node. The 852-1111 Switch is a cost-effect solution to keep up with the constant demands of IP-based, industrial communication needs.

The switch is easy to configure and install and is best suited for small to medium-sized networks.

Features:

- 5 ETHERNET Ports, 10/100/1000 Mbps autonegotiation
- 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
- DIN-35 rail mounting



Data

Technical Data

| | |
|--|--|
| Switchingmodus | Store-and-forward, non-blocking |
| Number of 1000Base-T ports | 5 |
| Communication standards | IEEE 802.3 10BASE-T IEEE 802.3u 100BASE-TX IEEE 802.3ab 1000BASE-T IEEE 802.3x Flow Control IEEE 802.1p Prioritization |
| MAC table (large) | 8000 addresses |
| Jumbo frame size | 9000 Byte |
| Supply voltage | DC 9 ... 48 V |
| Energy consumption max. | 3 W |
| Baud rate | Copper cable: 10/1000 Mbit/s |
| Transmission medium (communication/fieldbus) | Copper cable: Cat. 5 or higher, max. line length: 100 m |
| Topology | Star |
| Indicators | Device: LED (PWR) green: Power supply; per port: LED (100, 1000) green: Status 100 Mbps, 1000 Mbps port 1 ... 5 |

Connection data

| | |
|---|---|
| Connection technology: communication/fieldbus | Copper cable: 5 x RJ-45 |
| Anschlussstechnik: Versorgung | 1 x im Gerät verbaute Stiftleiste: 231-433/001-000; mitgelieferte Federleiste (Steckverbinder MCS): 231-103/026-000 |

Geometrical Data

| | |
|---------------------------------------|-----------------------|
| Width | 23.4 mm / 0.921 inch |
| Height from upper-edge of DIN-35 rail | 81 mm / 3.189 inch |
| Depth | 109.2 mm / 4.299 inch |

Mechanical data

| | |
|--------------------|-------------|
| Weight | 190 |
| 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 |

Commercial data

| | |
|--------------------|-----------------------------|
| Product Group | 27 (Special components I/O) |
| Packaging type | BOX |
| Country of origin | TW |
| GTIN | 4050821808916 |
| Customs Tariff No. | 85176200000 |

Compatible products

wiring and connectors

| | | |
|--|---|--|
|  | Item no.: 750-975 ETHERNET RJ-45 connector, IP20; ETHERNET 10/100 Mbit/s; for field assembly; light gray | 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; Compact; 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; Compact; 1-phase; 24 VDC output voltage; 4 A output current; DC OK signal

www.wago.com/787-1122



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.: 787-1702
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; RJ-45; RJ-45; Cat. 5; in mounting carrier

www.wago.com/289-172



Item no.: 289-175

Interface module; RJ-45; PCB terminal blocks, double-row; Cat. 5; in mounting carrier; with shield connection; with shield clamping saddle; 1,50 mm²

www.wago.com/289-175



Item no.: 289-195

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

www.wago.com/289-195



Item no.: 289-196

Interface module; RJ-45; with power jumper contacts; PCB terminal blocks; Cat. 5

www.wago.com/289-196

General accessories



Item no.: 852-9101

DNV Carrier rail adapter; for ETHERNET Switches 852-111/ 852-1111 marine approval; -

www.wago.com/852-9101

Downloads

Documentation

Manual

| | | | |
|---|---------|-----------------|----------|
| 5-Port 1000BASE-T Industrial ECO Switch | V 1.3.0 | pdf 332.8 kB | Download |
|---|---------|-----------------|----------|

Additional Information

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

System Description

| | | | |
|---|--|---------------|----------|
| Industrial Switches – General Product Information | | pdf 2.0 MB | Download |
|---|--|---------------|----------|

CAD/CAE-Data

CAD data

| | | | |
|-----------------------|--|-----|----------|
| 2D/3D Models 852-1111 | | URL | Download |
|-----------------------|--|-----|----------|

CAE data

| | | | |
|----------------------------|--|--|----------|
| EPLAN Data Portal 852-1111 | | | Download |
|----------------------------|--|--|----------|

| | | | |
|-------------------------|--|--|----------|
| WSCAD Universe 852-1111 | | | Download |
|-------------------------|--|--|----------|



Installation Notes

Subject to changes.

WAGO Kontakttechnik GmbH & Co. KG
Hansastr. 27
32423 Minden
Phone: +49571 887-0 | Fax: +49571 887-169
Email: info.de@wago.com | Web: www.wago.com

Do you have any questions about our products?
We are always happy to take your call at 01788 568 008.