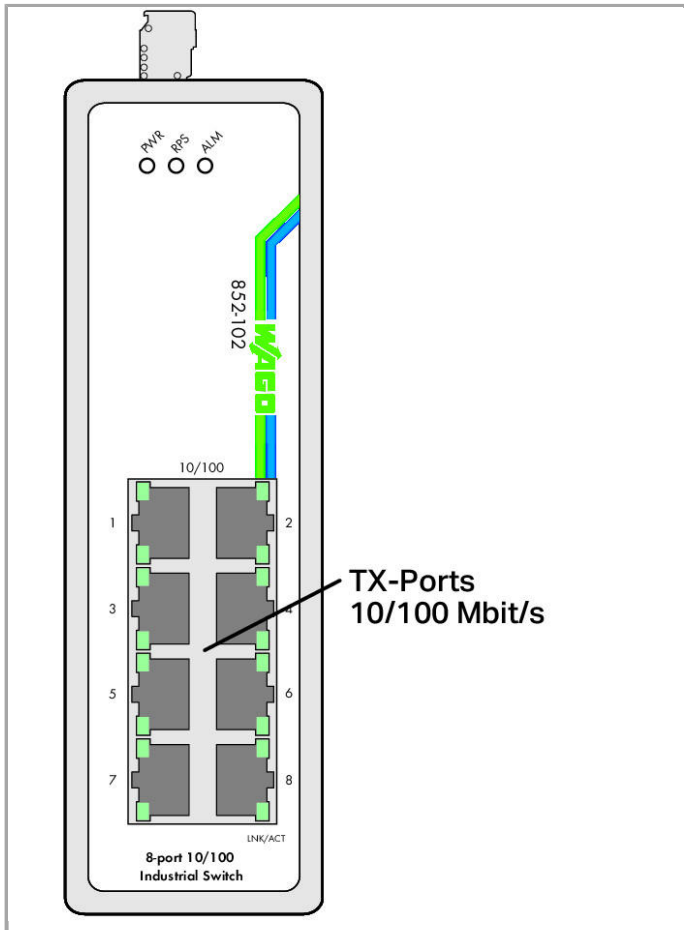


RoHS
 Compliant



 Color:


Item description

The 852-102 Industrial Switch is an 8-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	8
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.	5.28 W
Energy consumption typ. (24 V)	4.56 W
Baud rate	Copper cable: 10/100Mbit/s
Übertragungsmedium (Kommunikation/Feldbus)	Copper cable: Cat. 5 or higher, 100 m maximum cable length
Paketdurchsatz	148800 pkt/s
Panel	12 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 (100, LNK/ACT) green: Status 100 Mbps, LNK/ACT Port 1 ... 8

Connection data

Anschluss technik: Kommunikation/Feldbus	Copper cable: 8 x RJ-45
Anschluss technik: Versorgung	1 x im Gerät verbaute Stiftheleiste: 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	162 mm / 6.378 inch

Mechanical data

Weight	909 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	4045454665944
Customs Tariff No.	85176200000
Product Group	27 (Special components I/O)


Compatible products


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


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

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

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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

Downloads

Documentation

Manual

8-Port 100BASE-TX Industrial Switch	Dec 14, 2011	418.5 kB	Download
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Bid Text

852-102 Switch	Jan 21, 2016	DOC 27.6 kB	Download
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Instruction Leaflet

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

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514.9 kB

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CAD data

3D Download 852-102

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Subject to changes.

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