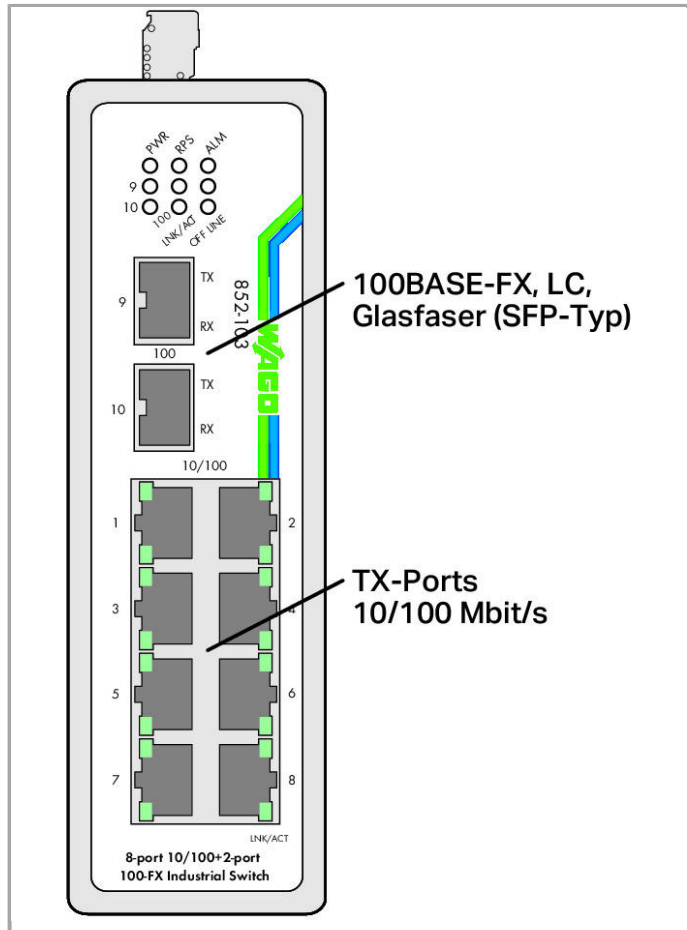


RoHS
 Compliant



Color: ■



Item description

The 852-103 is an industrial ETHERNET switch with 8-port 10/100Base-TX and 2-port SFP-100 Base-FX (SFP modules are optional).

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
Number of 100Base-FX ports	2
Communication standards	IEEE 802.3 10BASE-T IEEE 802.3u 100BASE-TX/FX 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.	6.08 W
Energy consumption typ. (24 V)	5.76 W
Baud rate	Copper cable: 10/100Mbit/s; Fiber optic: 100Mbit/s
Übertragungsmedium (Kommunikation/Feldbus)	Copper cable: Cat. 5 or higher, 100 m maximum cable length; Fiber optic: FX Multi-Mode, LX Single-Mode
LWL-Fasertyp	Single-mode and multi-mode
Paketdurchsatz	148800 pkt/s
Panel	12 x DIP switch: Alarm function power supplies and ports 1–10
Indicators	Device: LED (PWR, RPS) green: Power supply (primary), redundant power supply (secondary); LED (ALM) red: Alarm; LED (LNK/ACT, 100) green, LED (OFFLINE) red: Status fiber optic ports; 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; Fiber optic: 2 x SFP, LC fiber-optic connectors
Anschluss technik: Versorgung	1 x im Gerät verbaute Stiftleiste: 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	892 g
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Color	black
Housing material	Aluminum
Conformity marking	CE

Environmental Requirements





Surrounding air (operating) temperature	0 ... 60 °C
Surrounding air (storage) temperature	-20 ... 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	4045454665951
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

General accessories

	Item no.: 852-201/107-002 SFP module 2: 1310nm; 100Base-FX Multi-Mode LC; 2 km	www.wago.com/852-201/107-002
	Item no.: 852-201/107-030 SFP module 30: 1310nm; 100Base-FX Single-Mode LC; 30 km	www.wago.com/852-201/107-030

wiring and connectors

	<p>Item no.: 750-975 ETHERNET RJ-45 connector, IP20; ETHERNET 10/100 Mbit/s; for field assembly</p>	www.wago.com/750-975
	<p>Item no.: 750-976 PROFINET RJ-45 connector, IP20; ETHERNET 10/100 Mbit/s; for field assembly</p>	www.wago.com/750-976
	<p>Item no.: 750-977/000-011 Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568A; AWG 22</p>	www.wago.com/750-977/000-011
	<p>Item no.: 750-977/000-012 Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568B; AWG 22</p>	www.wago.com/750-977/000-012
	<p>Item no.: 750-977/000-013 Connector PROFINET; RJ-45; Cat. 6A; straight; AWG 22</p>	www.wago.com/750-977/000-013
	<p>Item no.: 750-977/000-021 Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568A; AWG 24</p>	www.wago.com/750-977/000-021
	<p>Item no.: 750-977/000-022 Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568B; AWG 24</p>	www.wago.com/750-977/000-022
	<p>Item no.: 750-978/000-011 Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568A; AWG 22; Strain relief</p>	www.wago.com/750-978/000-011
	<p>Item no.: 750-978/000-012 Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568B; AWG 22; Strain relief</p>	www.wago.com/750-978/000-012
	<p>Item no.: 750-978/000-013 Connector PROFINET; RJ-45; Cat. 6A; straight; AWG 22; Strain relief</p>	www.wago.com/750-978/000-013
	<p>Item no.: 750-978/000-021 Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568A; AWG 24; Strain relief</p>	www.wago.com/750-978/000-021
	<p>Item no.: 750-978/000-022 Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568B; AWG 24; Strain relief</p>	www.wago.com/750-978/000-022
	<p>Item no.: 750-979/000-011 Connector ETHERNET; RJ-45; Cat. 6A; angled; Code T568A; AWG 22; Strain relief</p>	www.wago.com/750-979/000-011
	<p>Item no.: 750-979/000-012 Connector ETHERNET; RJ-45; Cat. 6A; angled; Code T568B; AWG 22; Strain relief</p>	www.wago.com/750-979/000-012
	<p>Item no.: 750-979/000-013 Connector PROFINET; RJ-45; Cat. 6A; angled; AWG 22; Strain relief</p>	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

Downloads

Documentation

Manual

8-Port 100 BASE-TX + 2-Slot 100 BASE-FX Industrial Switch	Dec 14, 2011	437.4 kB	Download
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Bid Text

852-103 Switche	Jan 21, 2016	DOC 29.2 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	514.9 kB	Download
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CAD data

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Subject to changes.