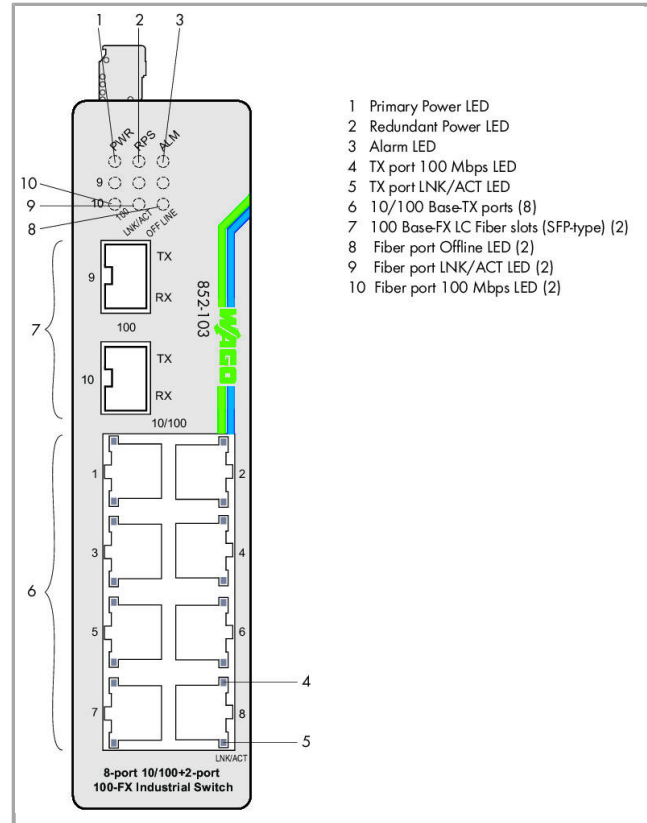


Data sheet | Item number: 852-103/040-000

Industrial-Switch; 8-port 100Base-TX; 2 Slots 100Base-FX; Extended temperature range; EXT

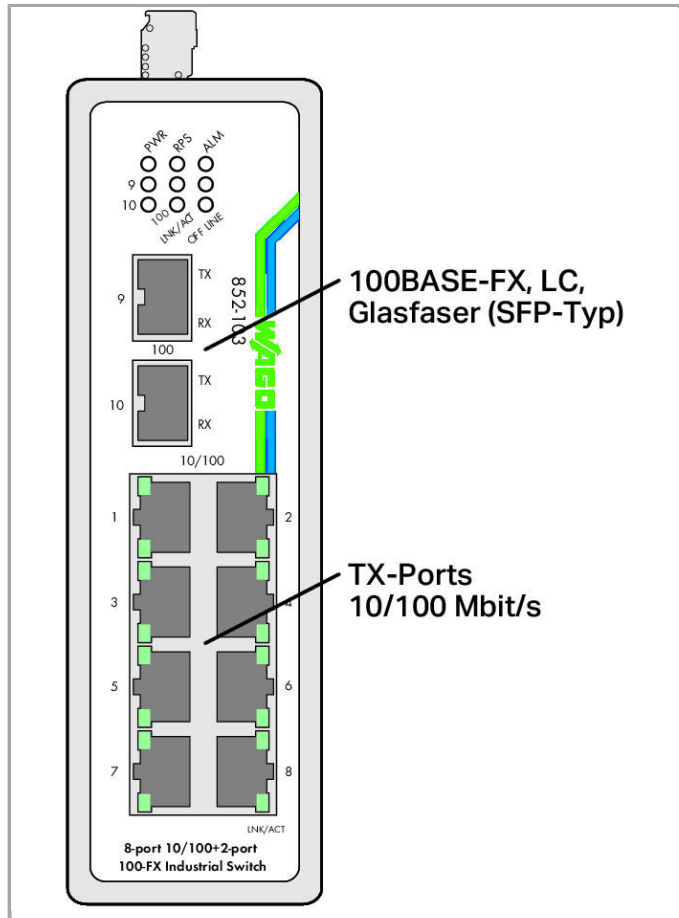


852-103/040-000



RoHS   
Compliant

BOMcheck.net

Color: 

## Item description

The 852-103/040-000 is an industrial ETHERNET switch with 8-port 10/100Base-TX and 2-port SFP 100Base-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: 10/100 Mbit/s; Fiber optic: 100 Mbit/s
Transmission medium (communication/fieldbus)	Copper cable: Cat. 5 oder besser, 100 m maximale Leitungslänge; 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

Connection technology: communication/fieldbus	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	887 g
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Color	black
Housing material	Aluminum
Conformity marking	1

### Environmental Requirements



Surrounding air (operating) temperature	-40 ... 70 °C
Surrounding air (storage) temperature	-40 ... 85 °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
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	4050821157663
Customs Tariff No.	85176200000


















### Compatible products

#### General accessories












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

#### power supply

	<b>Item no.: 787-1102</b> Switched-mode power supply; Compact; 1-phase; 24 VDC output voltage; 1.3 A output current; DC OK signal	787-1102
	<b>Item no.: 787-1112</b> Switched-mode power supply; Compact; 1-phase; 24 VDC output voltage; 2.5 A output current; DC OK signal	787-1112
	<b>Item no.: 787-1122</b> Switched-mode power supply; Compact; 1-phase; 24 VDC output voltage; 4 A output current; DC OK signal	787-1122
	<b>Item no.: 787-1602</b> Switched-mode power supply; Classic; 1-phase; 24 VDC output voltage; 1 A output current; NEC Class	787-1602

	2; DC OK signal	
	<b>Item no.: 787-1606</b> Switched-mode power supply; Classic; 1-phase; 24 VDC output voltage; 2 A output current; NEC Class 2; DC OK signal	787-1606
	<b>Item no.: 787-1622</b> Switched-mode power supply; Classic; 1-phase; 24 VDC output voltage; 5 A output current; TopBoost; DC OK contact	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	787-1632
	<b>Item no.: 787-1702</b> Switched-mode power supply; Eco; 1-phase; 24 VDC output voltage; 1.25 A output current	787-1702
	<b>Item no.: 787-1712</b> Switched-mode power supply; Eco; 1-phase; 24 VDC output voltage; 2.5 A output current	787-1712
	<b>Item no.: 787-1722</b> Switched-mode power supply; Eco; 1-phase; 24 VDC output voltage; 5 A output current	787-1722
<b>transfer module</b>		
	<b>Item no.: 289-172</b> Interface module for ETHERNET RJ-45	289-172
	<b>Item no.: 289-175</b> Interface module for ETHERNET RJ-45	289-175
	<b>Item no.: 289-195</b> Interface module for ETHERNET RJ-45; for DIN 35 rail; with shield connection	289-195
	<b>Item no.: 289-196</b> Interface module with RJ-45 connectors; CAGE CLAMP®CONNECTION; with LED; Fused	289-196
<b>wiring and connectors</b>		
	<b>Item no.: 750-975</b> ETHERNET RJ-45 connector, IP20; ETHERNET 10/100 Mbit/s; for field assembly	750-975
	<b>Item no.: 750-976</b> PROFINET RJ-45 connector, IP20; ETHERNET 10/100 Mbit/s; for field assembly	750-976
	<b>Item no.: 750-977/000-011</b> Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568A; AWG 22	750-977 /000-011
	<b>Item no.: 750-977/000-012</b> Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568B; AWG 22	750-977 /000-012
	<b>Item no.: 750-977/000-013</b> Connector PROFINET; RJ-45; Cat. 6A; straight; AWG 22	750-977 /000-013
	<b>Item no.: 750-977/000-021</b> Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568A; AWG 24	750-977 /000-021



	<b>Item no.: 750-977/000-022</b> Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568B; AWG 24	750-977 /000-022
	<b>Item no.: 750-978/000-011</b> Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568A; AWG 22; Strain relief	750-978 /000-011
	<b>Item no.: 750-978/000-012</b> Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568B; AWG 22; Strain relief	750-978 /000-012
	<b>Item no.: 750-978/000-013</b> Connector PROFINET; RJ-45; Cat. 6A; straight; AWG 22; Strain relief	750-978 /000-013
	<b>Item no.: 750-978/000-021</b> Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568A; AWG 24; Strain relief	750-978 /000-021
	<b>Item no.: 750-978/000-022</b> Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568B; AWG 24; Strain relief	750-978 /000-022
	<b>Item no.: 750-979/000-011</b> Connector ETHERNET; RJ-45; Cat. 6A; angled; Code T568A; AWG 22; Strain relief	750-979 /000-011
	<b>Item no.: 750-979/000-012</b> Connector ETHERNET; RJ-45; Cat. 6A; angled; Code T568B; AWG 22; Strain relief	750-979 /000-012
	<b>Item no.: 750-979/000-013</b> Connector PROFINET; RJ-45; Cat. 6A; angled; AWG 22; Strain relief	750-979 /000-013
	<b>Item no.: 750-979/000-021</b> Connector ETHERNET; RJ-45; Cat. 6A; angled; Code T568A; AWG 24; Strain relief	750-979 /000-021
	<b>Item no.: 750-979/000-022</b> Connector ETHERNET; RJ-45; Cat. 6A; angled; Code T568B; AWG 24; Strain relief	750-979 /000-022

**Downloads**

**Documentation**

**Manual**

8-Port 100 BASE-TX + 2-Slot 100 BASE-FX Industrial Switch	V 1.0.2	pdf 437.4 kB	Download
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**Bid Text**

852-103/040-000	doc 29.2 kB	Download
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**Instruction Leaflet**

Operating and Assembly instructions 852-101 / 852-102 / 852-103 / 852-104

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Disposal; Electrical and electronic equipment, Packaging

V 1.0.0

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**System Description**

Industrial Switches – General Product Information

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Subject to changes.

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