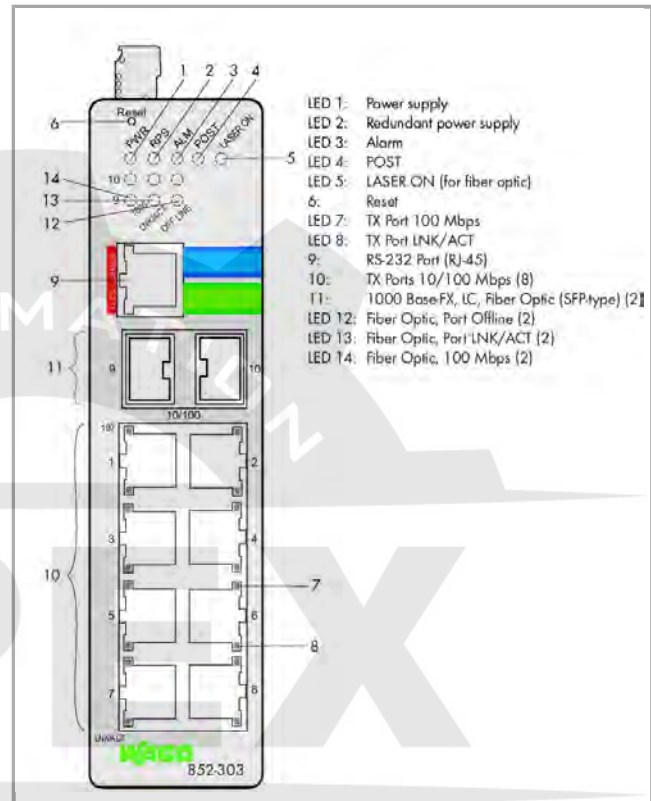


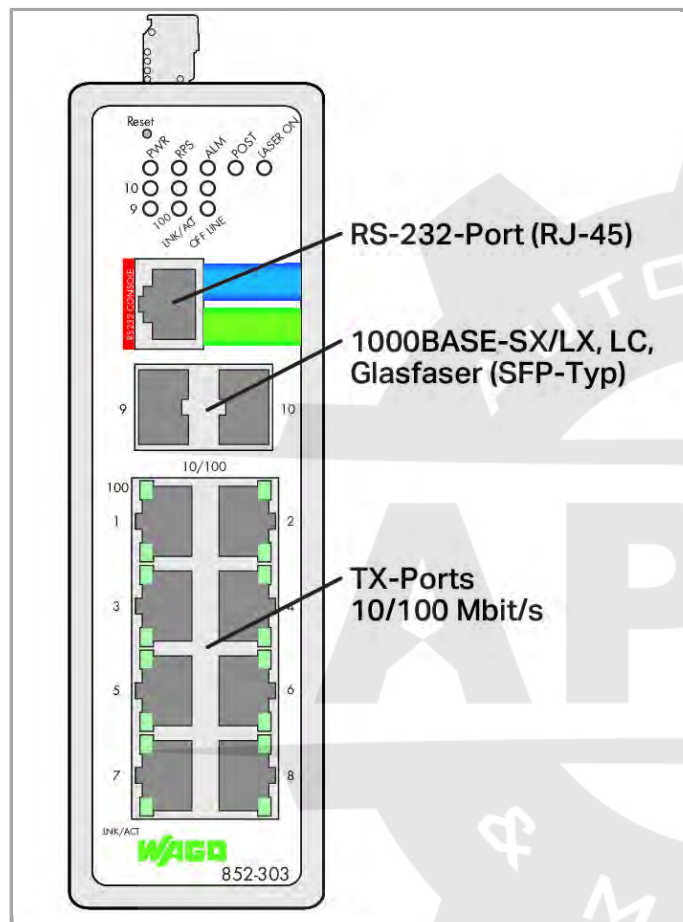
852-303



RoHS  Compliant



Color: 



Item description

The 852-303 Industrial Switch is a 8-port 10/100Base-TX and 2-port SFP 100Base-FX/1000Base-FX/SX (optional SFP modules) configurable ETHERNET switch.

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

Features:

- Web-based/SNMP management
- Redundant DC power supply
- Wide supply voltage range: 12 ... 60 VDC
- DIP switches to set alarm functions
- Full compliance with IEEE802.3, 802.3u, 802.3z, 802.3x, 802.3ad, 802.3ab, 802.1d, 802.1q, 802.1p, 802.1w, 802.1x standards

- Xpress Ring (redundant ring, recovery < 50 ms)
- Non-blocking, store-and-forward switching, rapid spanning tree protocol (RSTP)
- Autonegotiation at all 10/100Base-TX ports
- Auto-MDI/MDIX (crossover) at all 10/100Base-TX ports
- VLAN (802.1q) VID
- IGMP snooping for multicast filtering
- Port configuration, status, statistics
- Port trunking
- SNMP v1/v2 and RMON

Data

Technical Data

Switchingmodus	Store-and-forward, non-blocking
Number of 100Base-TX ports	8
Number of 1000Base SX/LX ports	2
Communication standards	IEEE 802.3 10BASE-T IEEE 802.3u 100BASE-TX/FX IEEE 802.3z 1000BASE-SX/LX IEEE 802.3x Flow Control IEEE 802.1w Rapid Spanning Tree Protocol (RSTP) IEEE 802.1q VLAN Tagging IEEE 802.1ab Link Layer Discovery Protocol (LLDP) IEEE 802.1p Prioritization IEEE 802.1x Port Authentication
Redundancy function	Redundant DC power supply, STP, RSTP, MSTP, Jetring < 300 ms, XPRESS ring < 20 ms, Dual homing < 20 ms, Dual ring, ERPSv2 < 50 ms, LCAP
Configuration options	DIP switch for signal contact Command Line Interface SNMPv1/v2c/v3
Diagnostics	Signal contact, Modbus/TCP, port status, port statistics, port load, traffic monitor, SFP information, syslog, mail alarm, SNMP traps
MAC table (large)	16000 addresses
Jumbo frame size	10000 Byte
Supply voltage	DC 12 ... 60 V; Leitungslänge < 3 m
Energy consumption max.	12 W
ESD (contact/air discharge)	8 KV / 15 KV
Baud rate	Copper cable: 10/100 Mbit/s; Fiber optic: 1000 Mbit/s
Transmission medium (communication/fieldbus)	Copper cable: Cat. 5e oder besser, 100 m maximale Leitungslänge; Fiber optic: SX Multi-Mode, LX Single-Mode
LWL-Fasertyp	Single-mode and multi-mode
VLANs	Port-based and tag-based (4k VIDs)
Panel	14 x DIP switch: Alarm function power supplies and ports 1–10, 100 / 1000 Mbps fiber optic ports; 1 x Reset button: restart of the system



Indicators

Device: LED (PWR, RPS, POST) green: power supply (primary), redundant power supply (secondary), POST function; LED (ALM) red: Alarm; LED (LASER ON) yellow, 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): 2231-106/026-000

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	910 g
Color	metallic black
Housing material	Aluminum
Conformity marking	1

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
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	4055143327176
Customs Tariff No.	85176200000

Approvals / Certificates

Ship Approvals

Logo	Approval	Additional Approval Text	Certificate name
	DNV DNV Germany GmbH		A-14050

Compatible products

transfer module

	Item no.: 289-195 Interface module for ETHERNET RJ-45; for DIN 35 rail; with shield connection	289-195
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General accessories

	Item no.: 852-1200 SFP Module 1000BASE; SX Multi-Mode 850 nm LC; 0.55 km; Extended temperature range; DDM	852-1200
	Item no.: 852-1210 SFP Module 1000BASE; LX Single-Mode 1310 nm LC; 10 km; Extended temperature range; DDM	852-1210
	Item no.: 852-1280 SFP Module 1000BASE; ZX Single-Mode 1550 nm LC; 80 km; Extended temperature range; DDM	852-1280
	Item no.: 852-201/107-002 SFP module 2: 1310nm; 100Base-FX Multi-Mode LC; 2 km	852-201 / 107-002
	Item no.: 852-201/107-030 SFP module 30: 1310nm; 100Base-FX Single-Mode LC; 30 km	852-201 / 107-030

power supply

	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	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	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	787-1622
	Item no.: 787-1623 Switched-mode power supply; Classic; 1-phase; 48 VDC output voltage; 2 A output current; DC OK signal	787-1623
	Item no.: 787-1632 Switched-mode power supply; Classic; 1-phase; 24 VDC output voltage; 10 A output current; TopBoost; DC OK contact	787-1632
	Item no.: 787-1633 Switched-mode power supply; Classic; 1-phase; 48 VDC output voltage; 5 A output current; TopBoost;	787-1633



DC OK contact

**Item no.: 787-1635**Switched-mode power supply; Classic; 1-phase; 48 VDC output voltage; 10 A output current;
TopBoost; DC OK contact

787-1635

wiring and connectors

**Item no.: 750-976**

PROFINET RJ-45 connector, IP20; ETHERNET 10/100 Mbit/s; for field assembly

750-976

**Item no.: 750-977/000-011**

Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568A; AWG 22

/000-011

750-977

**Item no.: 750-977/000-012**

Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568B; AWG 22

/000-012

750-977

**Item no.: 750-977/000-013**

Connector PROFINET; RJ-45; Cat. 6A; straight; AWG 22

/000-013

750-977

**Item no.: 750-977/000-021**

Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568A; AWG 24

/000-021

750-977

**Item no.: 750-977/000-022**

Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568B; AWG 24

/000-022

750-977

**Item no.: 750-978/000-011**

Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568A; AWG 22; Strain relief

/000-011

750-978

**Item no.: 750-978/000-012**

Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568B; AWG 22; Strain relief

/000-012

750-978

**Item no.: 750-978/000-013**

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

/000-013

750-978

**Item no.: 750-978/000-021**

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

/000-021

750-978

**Item no.: 750-978/000-022**

Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568B; AWG 24; Strain relief

/000-022

750-978

**Item no.: 750-979/000-011**

Connector ETHERNET; RJ-45; Cat. 6A; angled; Code T568A; AWG 22; Strain relief

/000-011

750-979

**Item no.: 750-979/000-012**

Connector ETHERNET; RJ-45; Cat. 6A; angled; Code T568B; AWG 22; Strain relief

/000-012

750-979



Item no.: 750-979/000-013
Connector PROFINET; RJ-45; Cat. 6A; angled; AWG 22; Strain relief

750-979/000-013

750-979



Item no.: 750-979/000-021
Connector ETHERNET; RJ-45; Cat. 6A; angled; Code T568A; AWG 24; Strain relief

750-979/000-021

750-979



Item no.: 750-979/000-022
Connector ETHERNET; RJ-45; Cat. 6A; angled; Code T568B; AWG 24; Strain relief

750-979/000-022

750-979

Downloads Documentation

Manual

8-Port 100BASE-TX + 2-Slot 1000BASE-SX/LX Industrial Switch

V 1.2.0

pdf
7.7 MB

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Bid Text

852-303

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31.2 kB

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Additional Information

Disposal; Electrical and electronic equipment, Packaging

V 1.0.0

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265.8 kB

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System Description

Industrial Switches – General Product Information

pdf
2.0 MB

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Runtime Software

Firmware

Firmware: 852-303 Industrial-Managed-Switch; 8-port 100Base-TX; 2-Slot 1000BASE-SX/LX

04
Jul 27, 2018zip
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CAD/CAE - Smart Data

CAD data

3D Download 852-303

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Device Files

Device Description File

MIB File for 852 Managed Switch	Jul 22, 2016	MIB 15.7 kB	Download
MIB File for 852-303 Managed Switch	Mar 27, 2017	MIB 21.8 kB	Download



Subject to changes.