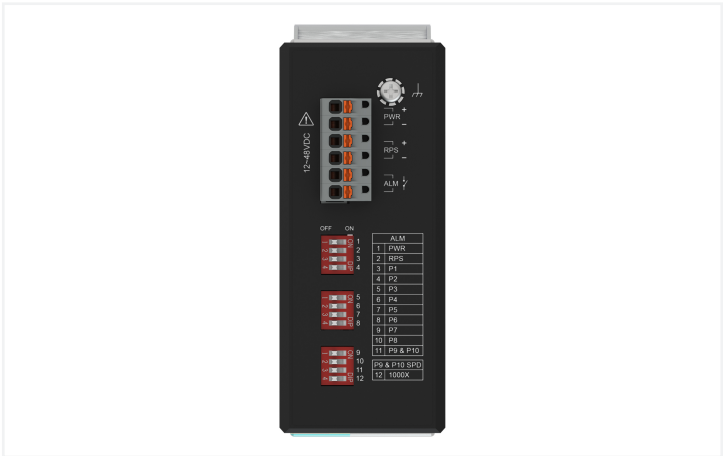
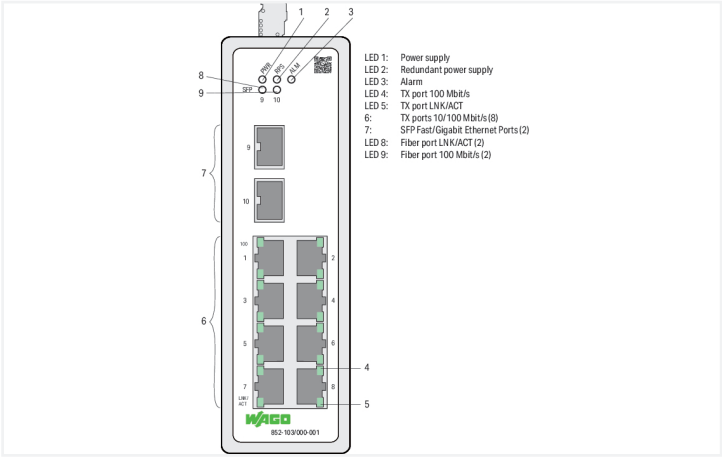






This unmanaged industrial ETHERNET switch (852-103/000-001) has eight Fast Ethernet ports and 2 SFP slots (1000BASE modules / speed setting with DIP switch) for easily setting up small- to medium-sized networks. Its slim design paired with a DIN-rail adapter simplifies installation in the control cabinet and provides high vibration, shock and temperature resistance. Additionally, automatic transmission rate detection (auto-negotiation) and automatic identification of the transmit and receive lines (Auto MDI-X) allow simple plug-and-play operation, saving time and money during commissioning.

Status LEDs, a redundant power supply and an alarm contact (configurable via DIP switch) increase the switch's redundancy and diagnostic capabilities, providing higher operational uptime.

Features:

- Redundant DC power supply
- Large supply voltage range: 12 ... 48 V
- DIP switches for configuring alarms
- Compatible with IEEE802.3i, 802.3u, 802.3z standards
- Non-blocking, store-and-forward-switching
- Autonegotiation on all 10/100BASE-T/TX-ports
- Auto-MDI/MDIX (crossover) on all 10/100BASE-T/TX-ports
- Integrated address look-up table, supports up to 8000 absolute MAC addresses
- Overvoltage and reverse voltage protection
- Prioritization of Ethernet data packets (PROFINET, Ethernet/IP, GOOSE, prioritization per IEEE 802.1Q/ 802.1p)
- Forwarding of IEEE 802.1Q data packets (VLAN pass-through)



Données techniques	
Switching mode	Store-and-Forward ; non-blocking
Nombre de ports 100 Mbit/s	8
Nombre de ports SFP 1 Gbit/s	2
Standards de communication	IEEE 802.3i 10BASE-T IEEE 802.3u 100BASE-TX/FX IEEE 802.3x Flow Control IEEE 802.3 Autonegotiation IEEE 802.1Q/ 802.1p Prioritization IEEE 802.3z 1000BASE-X/LX/SX/ZX
Fonction de redondance	Alimentation DC redondante
Possibilités de configuration	DIP switch for alarm relay
Diagnostic	Alarm relay; NO; 1 A at 24 VDC
Table MAC (taille)	8000 adresses
Jumbo Frame Size	9216 Bytes
Tension d'alimentation	12 ... 48 V DC; (±15 %) ; 12 ... 48 V DC (UL)
Puissance absorbée max.	6 W
consommation de courant max.	500 mA
Vitesse de transmission	Câble en cuivre: 10/100 Mbit/s; Fibre de verre:100/1000 Mbit/s
Moyen de transmission (Communication/bus de terrain)	Câble en cuivre: Cat. 5e ou supérieure, longueur de câble maximale 100 m; Fibre de verre: Transmission medium and achievable cable length depends on the SFP module
Fibre optique, type de fibre	Mono-Mode et Multi-Mode
Éléments de réglage	12 x DIP switch: Alarm function Supply voltages and ports 1 ... 10; Configuration of SFP speed
Éléments d'affichage	Device: LEDs (PWR, RPS), green: Supply voltage (primary, secondary); LED (ALM), red: Alarm; SFP ports: LED green: Connection and activity status; RJ45 ports: LED (100, LNK/ACT), green: Status 100 Mbit/s, LNK/ACT ports 1 ... 8

Données de raccordement	
Technique de connexion : communication/bus de terrain	Câble en cuivre: 8 x RJ-45; Fibre de verre: 2 x Slots SFP (par ex. avec module SFP et connecteur fibre optique LC)
Type de connexion : alimentation	1 x Built-in male connector: 231-436/001-000; included female connector (MCS Connectors): 2231-106/102-000

Données géométriques	
Largeur	50 mm / 1.969 inch
Hauteur	161,5 mm / 6.358 inch
Profondeur	119,9 mm / 4.720 inch

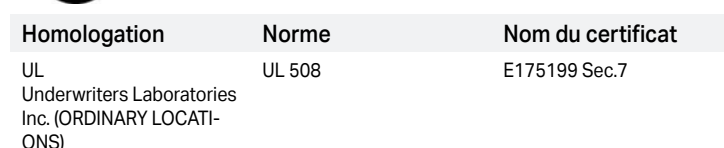
Données mécaniques	
Poids	793 g
Matériel de l'enveloppe	Aluminium
Marquage de conformité	CE

Conditions d'environnement	
Température ambiante (fonctionnement)	-40 ... +75 °C
Température ambiante (stockage)	-40 ... +85 °C
Indice de protection	IP30*
Humidité relative (sans condensation)	95 %
Type de montage	Rail 35
Résistance aux vibrations	selon CEI 60068-2-6
Résistance aux chocs	selon CEI 60068-2-27
CEM – Susceptibilité en réception	selon EN 61000-6-2
CEM – En émission	selon EN 61000-6-4
Charge calorifique	0 MJ

UNSPSC	43222612
ECCN	NO US CLASSIFICATION

État de conformité RoHS	Compliant, No Exemption
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Homologations générales	Déclarations de conformité et de fabricant
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Homologation	Norme	Nom du certificat
EU-Declaration of Conformity WAGO GmbH & Co. KG	-	-
UK-Declaration of Conformity WAGO GmbH & Co. KG	-	-

Conformité environnementale du produit
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Environmental Product
Compliance
852-103/000-001

Manuel				
Industrial-Switch; 8 Ports 100Base-TX;	4225531659 1 en-US	pdf	8945.21 KB	
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1 Produits correspondants
1.1 Accessoires en option
1.1.1 Connecteur mâle
1.1.1.1 Module SFP



Réf: [852-202](#)
Module SFP 100Base; FX Multi-Mode
1310 nm LC; 2 km; DDM; Extrem; couleurs
argent