Data Sheet | Item Number: 852-101/000-001

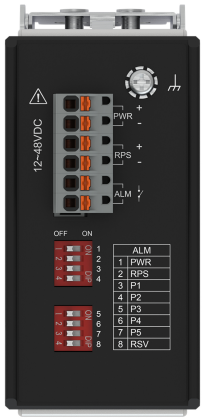
Industrial-Switch; 5-port 100Base-TX

https://www.wago.com/852-101/000-001

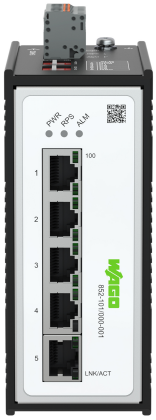




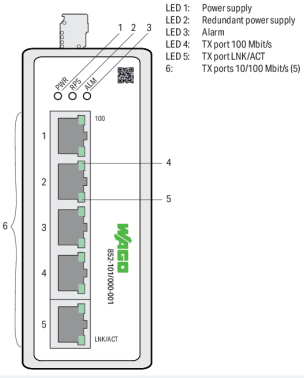












This unmanaged industrial ETHERNET switch (852-101/000-001) has five Fast Ethernet ports for easily setting up small- to medium-sized networks. Its slim design paired with a DIN-rail adapter simplifies installation in the control cabinet and provides high vibration, shock and temperature resistance. 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 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 2000 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)

Technical data

Switching mode	Store-and-forward; non-blocking
Number of 100 Mbps ports	5
Communication standards	IEEE 802.3i 10BASE-T IEEE 802.3u 100BASE-TX IEEE 802.3x Flow Control IEEE 802.3 Autonegotiation IEEE 802.1Q/ 802.1p Prioritization
Redundancy function	Redundant DC power supply
Configuration options	DIP switch for alarm relay
Diagnostics	Alarm relay; NO; 1 A at 24 VDC
MAC table (size)	2000 addresses
Jumbo frame size	9216 bytes
Supply voltage	12 … 48 VDC; (±15 %); 12 … 48 VDC (UL)
Power consumption (max.)	3 W
Current consumption (max.)	250 mA
Transmission rate	Copper cable: 10/100 Mbit/s
Transmission medium (communication/fieldbus)	Copper cable: Cat. 5e or higher, 100 m maximum cable length
Control Elements	8 x DIP switches: alarm function for supply voltages and ports 1 … 5
Indicators	Device: LED (PWR, RPS), green: Power supply (primary, secondary); LED (ALM), red: Alarm; RJ-45 ports: LED (100, LNK/ACT), green: Status 100 Mbit/s, LNK/ACT Port 1 … 5

Connection Data

Connection technology: communication/fieldbus	Copper cable: 5 x RJ-45
Connection technology: supply	1 x Built-in male connector: 231-436/001-000; included female connector (*MCS* Connectors): 2231-106/102-000

Physical data

Width	50 mm / 1.969 inches
Height	122 mm / 4.803 inches
Depth	100 mm / 3.937 inches

Continued on next page

Mechanical data

Mounting type	DIN-35 rail

Material data

Housing material	Aluminum
Weight	509 g
Conformity marking	CE

Environmental requirements

Ambient temperature (operation)	-40 … +70 °C
Ambient temperature (storage)	-40 … +85 °C
Protection type	IP30
Relative humidity (without condensation)	95 %
Vibration resistance	Per IEC 60068-2-6
Shock resistance	per IEC 60068-2-27
EMC immunity to interference	per EN 61000-6-2
EMC emission of interference	per EN 61000-6-4

Commercial data

PU (SPU)	1 pcs
Packaging type	Box
Country of origin	TW
GTIN	4066966806588
Customs tariff number	85176200000

Product Classification

UNSPSC	43222612
ETIM 9.0	EC000734
ETIM 10.0	EC000734
ECCN	NO US CLASSIFICATION

Environmental Product Compliance

RoHS Compliance Status	Compliant,No Exemption

Approvals / Certificates

General approvals

Approval	Standard	Certificate Name
UL Underwriters Laboratories Inc. (ORDINARY LOCATIONS)	UL 508	E175199 Sec.7

Declarations of conformity and manufacturer's declarations

Approval	Standard	Certificate Name
EU-Declaration of Conformity WAGO GmbH & Co. KG	-	-
UK-Declaration of Conformity WAGO GmbH & Co. KG	-	-

Continued on next page

Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 852-101/000-001	

Documentation

Manual

Product manual Industrial-Switch; 5 Ports 100Base-TX	4225049611 | 4 | en-US | 2025-09-09 06:56 16.09.2025	pdf 876.16 KB	

CAD/CAE-Data

CAD data

2D/3D Models 852-101/000-001	