Data Sheet | Item Number: 852-112/000-001

Industrial-ECO-Switch; 8-port 100Base-TX; black

Color: ■ black

Version 17.05.2023

LED 1: Power supply
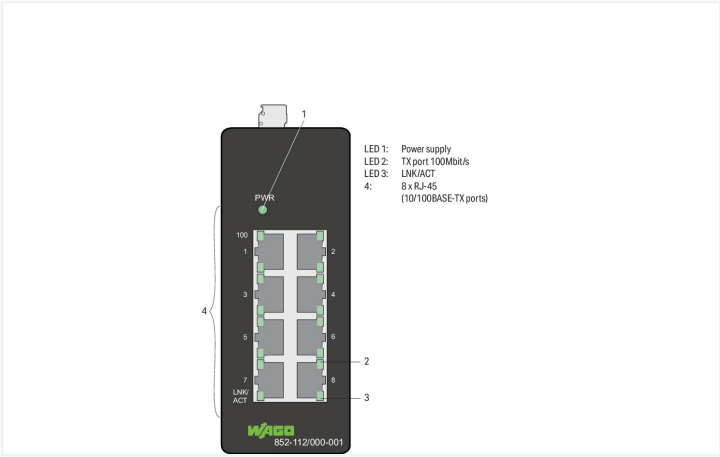LED 2: TX port 100Mbit/s
LED 3: LNK/ACT
4: 8 x RJ-45
(10/100BASE-TX ports)

This unmanaged industrial ETHERNET switch (852-112/000-001) has eight 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 and shock 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.

Features:

- 8 10/100 Mbit/s ETHERNET ports autonegotiation
- Front-panel diagnostic LEDs
- Supports Auto-MDI/MDI-X functions
- Full/half-duplex transfer modes for each port
- Store-and-forward switching method
- Integrated address look-up table, supports up to 1000 absolute MAC addresses
- Overvoltage protection
- Data flow control, per IEEE 802.3x Flow Control, in full-duplex mode
- Prioritization of ETHERNET data packets (PROFINET protocol, EtherType=0x8892) per IEEE802.1p
- DIN-35 rail mounting

Technical data	
Switching mode	Store-and-forward; non-blocking
Number of 100 Mbit/s ports	8
Communication standards	IEEE 802.3 10BASE-T IEEE 802.3u 100BASE-TX IEEE 802.3x Flow Control IEEE 802.1p Prioritization
Supply voltage	12 … 48 VDC
Power consumption (max.)	2 W
Baud rate	Copper cable: 10/100 Mbit/s
Topology	Star
Indicators	Device: LED (PWR) green: Power supply; per port: LED (100, LNK/ACT) green: Status 100 Mbps, LNK/ACT ports 1 … 8

Connection data

Connection technology: communication/fieldbus	Copper cable: 8 x RJ-45
Connection technology: supply	1 x Built-in male connector: 231-432/001-000; included female connector (*MCS* Connectors): 2231-102/026-000

Physical data

Width	50 mm / 1.969 inches
Height	116 mm / 4.567 inches
Depth from upper-edge of DIN-rail	100 mm / 3.937 inches

Mechanical data

Weight	472 g
Color	black
Housing material	Sheet steel

Environmental requirements

Ambient temperature (operation)	-40 … +70 °C
Ambient temperature (storage)	-40 … +85 °C
Protection type	IP30
Relative humidity (without condensation)	95 %
Mounting type	DIN-35 rail
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
Fire load	0 MJ

Commercial data

ETIM 8.0	EC000734
PU (SPU)	1 pcs
Country of origin	TW
GTIN	4066966189681
Customs tariff number	85176200000

Environmental Product Compliance

RoHS Compliance Status	Compliant,No Exemption

Current addresses can be found at:: www.wago.com