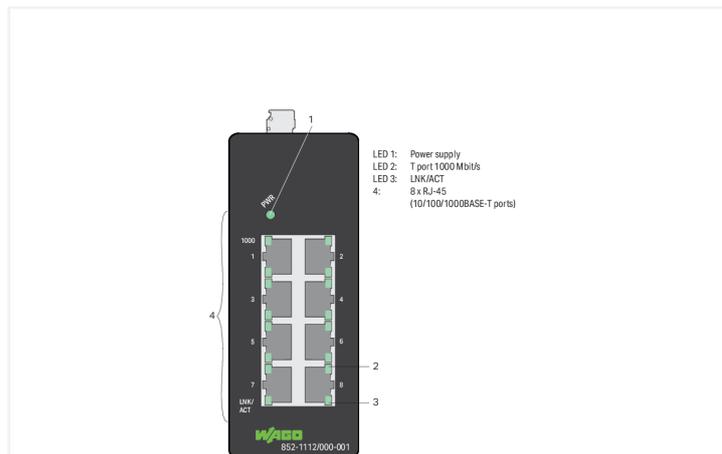




Color: ■ black





The 852-1112/000-001 Switch is an industrial unmanaged ETHERNET switch with 8 Gigabit Ethernet ports, designed for the straightforward setup of small to medium-sized networks. Its slim design paired with a DIN-rail adapter simplifies installation in control cabinets, while providing high vibration and shock resistance. Additionally, automatic transmission rate detection (auto-negotiation) and automatic identification of transmit and receive lines (Auto MDI-X) enable straightforward plug-and-play operation, reducing time and costs during commissioning.

Key Features:

- 8 Ethernet ports (10/100/1000 Mbit/s) with auto-negotiation
- 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 4096 absolute MAC addresses
- Overvoltage protection
- Data flow control, per IEEE 802.3x Flow Control, in full duplex operation
- 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 1 Gb/s ports	8
Communication standards	IEEE 802.3 10BASE-T IEEE 802.3u 100BASE-TX IEEE 802.3ab 1000BASE-T IEEE 802.3x Flow Control IEEE 802.3 Nway autonegotiation IEEE 802.1p Prioritization
MAC table (size)	4096 addresses
Jumbo frame size	9216 bytes
Protection	Short circuit protection; overload protection; reverse voltage protection
Supply voltage	12 ... 48 VDC
Power consumption (max.)	5 W
Current consumption (max.)	500 mA
ESD (contact/air discharge)	8 KV / 15 KV
Transmission rate	Copper cable: 10/1000 Mbit/s
Transmission medium (communication/fieldbus)	Copper cable: Cat. 5e or higher, 100 m maximum cable length
Topology	Star
Indicators	Device: LED (PWR) green: Power supply; per port: LED (1000) green: Status 1000 Mbps, 1000 Mbps ports 1 ... 8

Connection data

Connection technology: communication/fieldbus	Copper cable: 8 x RJ-45
Connection technology: supply	1 x Built-in male connector: 231-433/001-000; included female connector (MCS Connectors): 231-103/026-000

Physical data

Width	46 mm / 1.811 inches
Height	116 mm / 4.567 inches
Depth	110 mm / 4.331 inches
Depth from upper-edge of DIN-rail	99.6 mm / 3.921 inches

Mechanical data

Weight	518.6 g
Color	black
Housing material	Sheet steel
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 %
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

PU (SPU)	1 pcs
Packaging type	Box
Country of origin	TW
GTIN	4066966419139
Customs tariff number	85176200000

Product Classification

UNSPSC	43222612
ETIM 9.0	EC000734
ETIM 8.0	EC000734
ECCN	NO US CLASSIFICATION

Environmental Product Compliance

RoHS Compliance Status	Compliant, No Exemption
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Approvals / Certificates

General approvals **Declarations of conformity and manufacturer's declarations**



Approval	Standard	Certificate Name
EAC GZO Almaty Standart	TP TC 020/2011	EAC CoC 03083
KC National Radio Research Agency	Article 58-2, Clause 3	MSIP-REM-W43-ISW852
UL Underwriters Laboratories Inc. (ORDINARY LOCATIONS)	UL 61010-2-201	E175199

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

Downloads

Environmental Product Compliance

Compliance Search	
Environmental Product Compliance 852-1112/000-001	↓

Documentation

Manual			
Product manual 8-Port 1000BASE-T Industrial ECO Switch	V 1.0.0 11.09.2023	pdf 6626.32 KB	↓

CAD/CAE-Data

CAD data	
2D/3D Models 852-1112/000-001	↓

Subject to changes. Please also observe the further product documentation!

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